

Annual Report 2016-17



University of the Punjab
Lahore – Pakistan

UNIVERSITY OF THE PUNJAB

Annual Report 2016-2017

ANNUAL REPORT COMMITTEE

- | | | |
|-----|--|------------|
| 1. | Prof. Dr. Muhammad Taqi Zahid Butt
Dean, Faculty of Engineering & Technology | (Convener) |
| 2. | Faculty of Arts & Humanities | Member |
| 3. | Faculty of Behavioral & Social Sciences | Member |
| 4. | Faculty of Commerce | Member |
| 5. | Faculty of Economics & Management Sciences | Member |
| 6. | Faculty of Education | Member |
| 7. | Faculty of Islamic Studies | Member |
| 8. | Faculty of Law | Member |
| 9. | Faculty of Life Sciences | Member |
| 10. | Faculty of Oriental Learning | Member |
| 11. | Faculty of Pharmacy | Member |
| 12. | Faculty of Sciences | Member |
| 13. | Focal Persons Nominated by HoDs for Annual Report | Member |
| 14. | Director Quality Enhancement Cell | Member |
| 15. | Registrar or his Nominee | Member |
| 16. | Deputy Registrar, Planning and Development Wing | Secretary |

List of Contents

Sr. No.	Description	Pages No.
1.	Chapter 1: Academic Activities	1 – 74
2.	Chapter 2: Research and Development	75 – 412
3.	Chapter 3: Quality Assurance	413 – 435
4.	Chapter 4: Faculty Development	437 – 474
5.	Chapter 5: Access	475 – 524
6.	Chapter 6: University Building Economies	525 – 550
7.	Chapter 7: Strengthening Physical Infrastructure	551 – 573
8.	Chapter 8: Strengthening Technological Infrastructure	575 – 593
9.	Chapter 9: University Building Communities	595 – 611
10.	Chapter 10: Sports	612 – 616
11.	Chapter 11: University Building Leadership	617 – 652
12.	Chapter 12: Finance	653 – 655
13.	Chapter 13: University Governance	657 – 661
14.	Chapter 14: Office of Resource Generation/Development	663 – 683
15.	Chapter 15: Health Centre & Medical Facilities	685 – 687
16.	Chapter 16: Facilities of the University and Improvements	689 – 736



Chapter

1

ACADEMIC ACTIVITIES

- *Undergraduate and Postgraduate Programmes*
- *MS and PhD Programmes*
- *Academic Achievements*
- *Foreign Academic Linkages*
- *Honours and Awards*
- *Institutional Linkages*

**CHAPTER****1****Academic Activities****Faculty of Arts & Humanities****CENTRE FOR SOUTH ASIAN STUDIES**

Telephone (s): +92-42-99231143
 Fax Number (s): +92-42-99232039
 E-mail Address (s): director.csas@pu.edu.pk

- **MS and PhD Programmes**

- M.Phil. & Ph.D.

- **Academic Achievements**

- M.Phil 14 and Ph.D 03

COLLEGE OF ART & DESIGN

Telephone (s): +92-42-99212729, 042-99212778-79
 Fax Number (s): +92-042-99212779
 E-mail Address (s): principal.cad@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**

- BFA (Painting, Sculpture, Graphic Arts, Graphic Design, Textile Design)
 - B Arch
 - MFA (Painting, Sculpture, Graphic Arts, Graphic Design, Textile Design)
 - M. Arch.
 - MA (Painting and Music)

- **M.Phil and PhD Programs**

- M. Phil (Studio Practice and Art History)
 - PhD (Art and Design)

- Diplomas

- Professional Diploma (Fine Arts, Graphic Design, Textile Design, Drawing, Music)
 - Postgraduate Diploma in Interior Design

- **Academic Achievements**

- M. Phil Degrees Awarded
 - Ms. Huamiara Dawood an M.Phil (Professional Practice) candidate was successful. Her thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of her thesis was "Graphic Representation of Poetry, A Visual Relation between Form and Content.



- Ms Suffah Naeem an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Rahat Naveed Masud. The topic of her thesis was "Purdah".
- Ms Anum Saeed a MS Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Woodcut Prints of Mehboob Ali".
- Ms Sonia Nasir Khan an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Aesthetics and Techniques of the Frescoes of Jahangir's Tomb".
- Mr. Tasadduq Amin an M.Phil. (Professional Practice) candidate was declared successful. His thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of his thesis was "Still Life Painting in Pakistan (A Study and Evaluation of Still Life Paintings by Pakistani Artists)".
- Ms Saba Sadaf Naseer an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of her thesis was "Woman as Represented by Male and Female Painters of Pakistan".
- Mr. Azmat Ali an M.Phil. (Professional Practice) candidate was declared successful. His thesis was completed under the supervision of Prof. Dr. Nasim Aktar Said. The topic of his thesis was "Dichotomy".
- Ms Amina Sarfraz an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of her thesis was "Innovation through Tradition".
- Ms Amna Anwar Khan an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Flora and Fauna in Jahangir's Period".
- Mr. Muhammad Ahsan Bilal an M.Phil. candidate was declared successful. His thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of his thesis was "Design Transition of Iconic Brands and Its Impact on Modern Epoch".
- Ms Amna Ansari an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Dr. Kanwal Khalid. The topic of her thesis was "Appraisal and Rational Scripts of Eastern Island and Indus Valley".
- Ms Anam Tahir an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "A Study of Historical Monuments in Taxila and Hassan Abdal".
- Ms Mariam Shaher Bano an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Frescoes and Miniature Paintings of Sheikhpura Fort".



DEPARTMENT OF ARCHAEOLOGY

Telephone (s): +92-42-99230322

E-mail Address (s): chairman.arch@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - M.A. Archaeology (2-years programme)
- **MS and PhD Programmes**
 - M. Phil Programme (2-years programme)
- **Academic Achievements**
 - 10 students have passed during Annual examination of M.A. Archaeology
 - 4 students have completed their course work of M.Phil Archaeology Programme

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Telephone (s): +92-42-99231168

Fax Number (s): +92-42-99231169

E-mail Address (s): chairperson.english@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - Master of Arts in English (Morning & Replica)
 - BS in English (Afternoon)
 - Postgraduate Diploma in English Language Teaching (PGD-ELT)
 - Diploma in Linguistics
 - Spoken English Certificate
- **MS and PhD Programmes**
 - Ph. D in English
 - Master of Philosophy in English
- **Foreign Academic Linkages**
 - St. Andrews University, Scotland
- **Institutional Linkages**
 - St. Andrews University, Scotland
- **Academic Achievement**
 - A list of M.A Morning Session (2014-2016) Research Papers Completed.

1	Syeda Saba Zahra	Motherhood to Mothering and Beyond in <i>The Half Mother</i> by Shahnaz Bashir
2	Zaira Shahbaz	Cultural Hybridism: National, Global and Tribal; Insitities in Llosa's <i>The Storyteller</i> .
3	Ansa Arif	A Psychoanalytic Reading of Roy's <i>The God of Small Things</i>
4	Hajra Butt	Cultural Identity: Vulnerable to Time and Space in Aslam's <i>Maps for Lost Lovers</i>



5	Tehmina Moeen	Construction of Space in <i>In Other Rooms, Other Wonders</i> by Daniyal Moeenuddin
6	M. Waqas azeem	Miller's <i>Death of a Salesman</i> : A Challenge to the American Dream
7	Raheela Shafqat	Representation of Women in Roy's <i>The God of Small Things</i> .
8	Faiqa Anum	The Study of Space in Roy's <i>The God of Small Things</i> .
9	Muhammad Rizwan	Quest for Female Identity in Manju Kapur's <i>Difficult Daughters</i> .
10	Zainab Iqbal	Spirituality, the Connecting Thread among Religions. A Study of <i>Nine Lives: In Search of the Sacred in Modern India</i> by William Dalrymple
11	Anka Shahid	The Concept of Home and Identity of Women in Bapsi Sidhwa's <i>Water</i> .
12	Ayesha Mairaj	Exile and The Divided Self in Rhys' <i>Voyage in the Dark</i>
13	Saira Bano	Sense of Loss in Khalid Hosseini's <i>And the Mountains Echoed</i>
14	H. Sadaf zaka ullah	Postcolonial Neurosis and Loss in Kiran Desai's <i>The Inheritance of Loss</i>
15	M. Mudassar	The Dynamics of Muslim Sikh Relationship in Khushwant Singh's <i>Train to Pakistan</i> .
16	Roha Nayab	Navigation of Spatial Limitation by Women in Bapsi Sidhwa's <i>The Bride</i> .
17	H. Tayyaba javed	Role of Female Bonding in Navigating the Spatial Limitation in Khalid Hosseini's <i>A Thousand Splendid Suns</i> .
18	Shahbaz Ahmad	Post-Partition Cultural Shift in Farooqi's <i>Between Clay and Dust</i> .
19	Anam Nabi	Problems of the Institution of Matrimony in Paksitan with Reference to the Social and Religious Imperatives in Bapsi Sidhwa's <i>The Pakistani Bride</i>
20	Ahsan Shaukat	Tipu Sultan as a figure of Fused Identity in Girish Karnard's <i>The dreams of Tipu Sultan</i> .
21	Fahad Amin	Cultural Hegemony Reinforces Women Stereotype in Manju Kapur's <i>Difficult Daughters</i> .
22	Iqra Arif	A Study of Transadaptation of Mohsin Hamid's <i>The Reluctant Fundamentalist</i> .
23	Naseem Akhtar	Dark Comedy in <i>A Case of Exploding Mangoes</i> .
24	Aqsar Ishaq	Annotated Translation of Jaun Alia's Selected Poetry.



25	Ammara Zia	Cultural Tensions in Khalid Hosseini's <i>The Kite Runner</i>
26	Rabia Jabbar	Theorizing Social and Economic Changes in Mohsin Hamid's <i>How to Get Filthy Rich in Rising Asia</i> .
27	Maria Altaf	A "Special" Reading of Melville's <i>Moby Dick</i> .
28	Jahanzab Butt	<i>Between Clay and Dust</i> : A socio-Political Study of a Culture in Decline

■ A list of M.A Replica Session (2014-2016) Research Papers Completed

1.	Hafiza Shumaila zulfiqar	An exploration of a Linkage between Cultural Change, Gender Equality and Modernization through the Compatriot of Agrarian, Industrial and Post-Industrial Societies in <i>Rising Tide; Gender Equality and Cultural Change around the World by Inglehart and Norris</i> .
2	Waqar Datagir	Revenge as a Conscious Choice or a Myth for the Twentieth Century Man in <i>Legends of the Fall</i> by Jim Harrison.
3	Maidah Basit Dar	Moralization and Psychological Contentment in the Light of <i>The Glass Menagerie</i> and <i>Addie Accident</i>
4	Hamza Rehman Qureshi	The Images of Violence against Women: A Spatial Study of <i>Another Gumohar Tree</i> by Aamer Hussain
5	Memoona Sarwar	Psychoanalytic Approach towards Exile in <i>Jazz</i> by Toni Morrison.
6	Atiya Bhatti	Psychoanalytical Approach towards the Theme of Escape from Reality in the Play <i>The Glass Menagerie</i> by Tennessee William.
7	Ayusha Zafar	Racial Stereotypes in 1940s' America and Contemporary America and the plight of the Balcks Today: The Case Study of <i>The Bluest Eye</i> by Toni Morrison.
8	Khalood Shahid	Racism and Sexism: A Collective Struggle in <i>A Raisin in the Sun</i> .
9	Hafiza Tooba Gull	Tribal Oppression and Biased Behavior towards Women in case of Bapsi Sidhwa's <i>The Pakistani Bride</i>
10	Ayesha Iqbal	Landscape as a Living Character in <i>The Road</i> by Cormac McCarthy.
11	Madiha Anwar	Representation of South Asian Women in Bapsi Sidhwa's <i>Pakistani Bride</i> and <i>Water</i> .
12	Jari Ullah	Historiography and Fiction in Dan Brown's <i>The Da Vinci Code</i> .
13	Hadiqa Bashir	Racism and Sexism in August Wilson's <i>Fences</i> .
14	Komal Arif	Hegemonic Masculinity in Daniyal Mohiddin's Short Stories.
15	Atika Bashir	Structural and Thematic Conflicts in Grinish Kamad's <i>Dreams of Tipu Sultan</i> .



16	Sidra Ijaz	Women as Victims of Violence in Bapsi Sidhwa's <i>The Bride</i> .
17	Amina Tariq	(Re) Presentation of Islam in Nadeem Aslam's <i>Maps for Lost Lovers</i> .
18	Fatima Rahim	Tropes of Isolation in Harper Lee's <i>To Kill a Mocking Bird</i> .
19	Zia-Ur-Rehman	Demolishing Mythic of Aristocracy in Tariq Ali's <i>The Stone Women</i> .
20	Najaf Ali	Politics of Hybridity and Liminality: A Critical Study of <i>The Crow Eaters</i> by Bapsi Sidhwa.
21	Sadaf Nanif	Women as Victim of Violence in <i>The Bride</i> by Bapsi Sidhwa.
22	Nabeel Ahmad Minhas	A Tale of Exile and Extremism by Deborah Baker.
23	Farhan Danish	Marriage as a Metaphor of Patriarchal Oppression in Manju Kapur's <i>Difficult Daughters</i> .
24	Tuba Nasr	Patriarchal and Feudal Structure in Attia Husain's Novel <i>Sunlight on a Broken Column</i> .
25	Rida Akram	A Psychoanalytic Study of <i>The Lost Pearl</i> by Lara Zuberi.
26	MARIA	Politics of Denticity: A Critical Study of <i>The Inheritance of Loss</i> by Kiran Desai.
27	Muhammad Binyameen	Narcopolitics in <i>The Zoo Story</i> by Edward Albee.
28	Sheharyar Ahmad Naeem	Social Space and Character Delimitation in Kiran Desai's <i>The Inheritance of Loss</i> .
29	Nadia Nawaz	Exilic Imaginaiton in Agha Shahid Ali's <i>Call Me Ishmael Tonight</i> .
30	Iqra Aslam	Nick Laird's Use of Yeatsian Violence: A Case for Modern and Contemporary Irish Poetry.
31	Farwa Taseer	Poetry as Prayer: T.S. Eliot's "Ash Wednesday" and "The Choruses from the Rock".
32	Rabia Azam	Visual Arts and the Use of Ambiguity in Wallace Steven's <i>Harmonium</i> .
33	Rana m. Ahsan	The Concept of Imagination in <i>Ideas of Order</i> by Wallace Stevens.
34	Muhammad Asad Ayaz	Form and Politics in Agha Shahid Ali's <i>Rooms are Never Finished</i> .
35	Mehwish Riasat	Self Affirmation of Women in T.S. Eliot's Early Poetry (1917-1920)

- A list of M.Phil Theses completed during the academic year (2014-16)

1	Mehwish Iram	Fetishism of Ideology: Marxist Overtones in Quratul Ain Haider's Transcreated Fiction
2	Hooria Liaqat	The Flux of Power Dynamics in J.M Coetzee's Novel



3	FaizaAnum	Politicizing the Subjective: A Critical study of Female Voices in Pakistani Poetry in English
4	Zobia Khushi Muhammad	Representation of Pakistan in Nadeem Aslam's Fiction
5	Maliha	Exile and Homecoming: "The Return of the Native" A Critical Study of South Asian Novels
6	Musadaf Nazir	Epistemological Transformation in Post – Partition Narratives: A critical Study of Sidwah's Ice Candy Man & Sing's Train to Pakistan
7	Maham Latif	Sexualization of Culture: A Post Feminist Study of Selected Disney Animated Films
8	Anam Sajid	A Schizoanalytic Study of Literature: History Events and Becoming in Toni Morrison's The Bluest Eye and God Help the Child
9	Sehrish Maqbool	Politics of Marginalization: A Critical Study of Shahid Nadeem's Plays
10	Syeda Zakia Reshid	Exploration of Chronotopes in Contemporary Pakistani Fiction
11	Shafaq Tahir	Re / Invention of Mythical Womanhood in Bharati Mukerjee's Fiction
12	Tayyaba Jawad	A Study of Culinary Metaphors in Elif Shafak's The Bastard of Istanbul and 'The Gaze'.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

Telephone (s): +92-42-99231170, 99231138

Fax Number (s): +92-042-99231137

E-mail Address (s): pu_history@yahoo.com

- **Undergraduate and postgraduate Programs**
 - M.A History (Semester System)
 - M.A Pakistan Studies (Semester System Self-supporting Program)
- **MS and PhD Programmes**
 - M.Phil in History (semester system)
 - Ph.D in History (semester system)
- **Foreign Academic Linkages**
 - German Hamburg University Department of History

DEPARTMENT OF PHILOSOPHY

Telephone (s): +92-42-99230884

Fax Number (s): +92-42-99230298

E-mail Address (s): chairman.phil@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - BS (4-Years) Philosophy and MA Philosophy



○ **MS and PhD Programmes**

MPhil and PhD in Philosophy

○ **Academic Achievements**

In the academic session of 2016-17, the Department of Philosophy achieved several teaching and research milestones. In general, the Department published one book, one research journal and organized several lectures, seminars and talks on divergent topics.

- This year's the Iqbal memorial lecture was delivered by Professor Absar Ahmed, formerly chairman of the Department, on the topic, "Need to Re-read Iqbal and Beyond". Professor Zafar Mueen Nasr, then the Vice Chancellor, presided over the lecture while faculty members, students and many people from different factions of civil society attended the lecture.
- The Department published a book entitled, *Khutbat Ba Yad-i-Iqbal*. This book, which comprises Iqbal memorial lectures delivered from 2006 to 2015, is the fourth volume and it was edited by Dr Shagufta Begum and Dr Ali Raza Tahir.
- The Department published the *Al-Hikmat*, the 2017 number. In this number of the journal, several papers have been contributed by faculty of the Department.
- The theme of this year's World Philosophy Day was "How to live together". In order to celebrate the World Philosophy Day, the Department arranged a lecture and a walk. Professor Sajid Ali, formerly chairman of the Department, gave a thought-provoking lecture on the theme how to live together. After it, a walk was conducted in which faculty members and students participated to highlight the message of tolerance in society.
- In order to pay homage to great German-Pakistani philanthropist: Reverend Dr Ruth Pfau, the Department organized a seminar to highlight her noble services for humanity.
- In this academic session, several faculty members of the Department present their research outcomes in Philosophy Monthly Seminars.
- For promoting good health and climate change, the Department organized sport galas and excursion tours in which both students and faculty members of the Department participated.

PAKISTAN STUDY CENTRE

Telephone (s): +92-42-99231148

Fax Number (s): +92-42-99231148

E-mail Address (s): director.psc@pu.edu.pk

The Pakistan Study Centre, University of the Punjab was established in 1981. The Centre has been working for following objectives:

- Publication of short and full length studies on Pakistan
- Holding of Seminars, Special Lectures, Conferences, in-house discussions on matters of national importance



- Promotion of academic and research relationship with other universities, colleges, Pakistan Study Centres and research institutions.

The main objective of the Centre is to promote and undertake research on themes relating to history, politics, foreign affairs, economy, culture and languages of Pakistan.

○ **MS and PhD Programmes**

- M. Phil. and Ph.D. (Pakistan Studies) programmes were launched by the Centre in 2005 and 2008 respectively.
- Eight (8) PhD and Twenty Forty (24) M. Phil. students were admitted in academic sessions 2016-17. Criteria for admission in both programmes set by HEC and Punjab University was strictly followed.

○ **Academic Achievements**

Two (02) scholars were granted PhD degrees in Pakistan Studies and more than ten (10) scholars were awarded M. Phil. Pakistan Studies degrees during the period under review.

○ **Foreign Academic Linkages**

MoU with Jiangsu Normal University, China was signed by the Centre.

- Center for International Studies, Rome, Italy
- The University of Social Sciences and Humanities of Warsaw, Republic of Poland

○ **Institutional Linkages**

MoU with Govt. College Women University, Sialkot was signed by the Centre. These include:

The Centre has developed an exchange of publications programme with different national and international research organizations. Under the programme, the library of the Centre is receiving more than 20 research journals covering a vast field of subjects.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

Telephone (s): +92-42-35 29 38 58

E-mail Address (s): info.french@pu.edu.pk, chairperson.french@pu.edu.pk

○ **Post-Graduate programme: Specializations offered in French Studies**

The new initiatives introduced in MA French programme under eight areas of specializations were successfully introduced in the final semester. The following courses were offered for the first time under each category as mentioned below:

- French for Media Studies
 - Role of Media – Actual and Hidden
 - E-Skills in media
 - Interviews and Reporting



- French for Interpreters
 - Translation Studies
 - Interpretership Skills
 - Translation practical
- French with Soft skills
 - Anger Management: Understanding Others
 - Conflict Resolution: Dealing with difficult People
 - Delegation: The Art of Delegating Effectively
 - Problem Solving & Decision Making
 - Public Speaking: Speaking under pressure
 - Stress Management and Workplace harassment

As per feedback of the graduating students, the specializations offered in the final semester helped them in deciding their future course of professional engagement and served as a transition phase between their studies and their professional careers.

○ **M.S & Ph.D programs:**

- M.Phil programme in French (To be launched soon.)
- Graduate programme: Honors with major in French
- *First graduating batch of BS French:* Another great achievement in the academics at the French department during 2017 is the successful graduation of its first batch of four years BS Honors programme.
- *1500% plus increase in the enrollments at French Department:* For the fourth consecutive year, the graph of students, enrolled in various programmes at the French Department, maintained its steady increase upwards, adding further to the last year's 1500% increase in admissions in the first semester. Such milestones reflect a persistent growth of the department leading towards its ever increasing role in the society as more and more people are becoming aware of the utility of French Studies in modern times.

○ **Foreign academic linkages**

Continued affiliation with

- Alliance Française d'Islamabad
- Alliance Française de Lahore
- Embassy of France
- Collaboration in French studies, Teachers training programmes, and conferences etc.

○ **Honours & awards:**

- Dr S. Nazeer and her Research team wins Innovation Award 2017 – 3rd prize – the only Department from Humanities to compete with all other fields of Pure Sciences



- For the 6th Invention to Innovation Summit Award 2017, 3rd Best Session presentation was awarded to Dr Saleha Nazeer and her Research Wing Team members. The team was especially congratulated for being the only department from Humanities to compete with the Science departments and for winning the innovation award in the domain of French Studies. The innovative research projects presented by Dr Saleha focused upon the Socio economic development in Pakistan through various products, trainings and courses related to French Studies. The Research projects and the Translation work were developed with a view to link academics in the field of French with the national and international market & Industry.
- In 2016, Dr. Saleha Nazeer received Performance Award by the University of the Punjab.
- **Institutional linkages**
 - Lahore College for Women University, Lahore.
 - Government Postgraduate College for Women, Chuna Mundi, Lahore.
 - Aitchison College
 - SYCAS

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

Telephone (s): 042-99233124, 042- 99233125

Fax Number (s): 042-35952993

E-mail Address (s): chairperson.dws@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - M.Sc Gender Studies
2 years Master Program
No. of seats: 50 (Morning and Replica Each)
Requirement: B.A/B.Sc/equivalent examination with 2nd Division.
 - BS (Hons)
4Years Program
Requirement: Intermediate or equivalent examinations (GCE, A level, ICS, I.Com)
No. of Seats: (50 Morning, 70 Self-Supporting)
- **MS and PhD Programmes**
 - Ph.D
Three years program
No. seats: (10 Morning and 10 Self-Supporting)
Requirement: M.Phil/MS in Social Sciences



- **Academic Achievements**
 - Journal of Gender & Development
 - Students Magazine: Intellectual Youth
 - Newsletter : Zeal
- **Institutional Linkages**
 - Ministry of Women Development
 - Directorate of Women Development , Punjab
 - Women Empowerment Group

DEPARTMENT OF POLITICAL SCIENCE

Telephone (s): +92-42-99231229
 Fax Number (s): +92-42-35838263
 E-mail Address (s): chairperson@polsc.pu.edu.pk

- **Undergraduate and Postgraduate Programs**
 - BS (Hons.) 4 Yrs. Program (Political Science)
 - M.A. Political Science
 - M.A. International Relations
 - M.A. Diplomacy & Strategic Studies
- **MS and Ph.D. Programs**
 - M.Phil. (Political Science)
 - M.Phil. (International Relations)
 - Ph.D. (Political Science)
 - Ph.D. (International Relations)

DEPARTMENT OF SOCIAL WORK

Telephone (s): +92-42-99231553
 Fax Number (s): +92-42-99230958
 E-mail Address (s): chairman.dsw@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**

In the reporting period, the Department is offering M.Sc. Social Work Programme in Morning and Replica classes. No admission MPhil/PhD in 2016. However, students enrolled in 2014 and 2015 M.Phil/PhD programmes were continuing. Further BS (Hons) 4 Years in Social Work has been also approved by the authorities.
- **Institutional Linkages**

Department has linkages with the following organizations.

 - At national and international level:
 - Child Protection & Welfare Bureau, Govt. of the Punjab
 - Directorate General of Labour Welfare, Govt. of the Punjab



- Ministry of Law, Justice and Human Rights, Govt. of Pakistan
- Gender Reform Action Plan (GRAP)
- Directorate of Special Education
- Social Protection & Zakat-o-Usher Department, Govt. of the Punjab (Social Welfare, Women Development & Bait-ul-Maal)
- Community World Service Asia (CWS)
- AGAHE
- UNICEF
- PLAN PAKISTAN
- Punjab Trust for welfare of disabled (PTWD) Govt. of the Punjab.
- SPO (Strengthening Participatory Organization)

INSTITUTE OF COMMUNICATION STUDIES

Telephone (s): +92-42-99230518, 99231225

Fax Number (s): +92-42-99231182

○ **Undergraduate and Postgraduate Programmes**

- **BS (4-Year) Program:**
The Institute offers BS (4 Years) Program in Communication Studies.
- **PGD Program:**
The Institute also offers 1 year Post Graduate Diploma Program in Television Production
- **Master Programs:**
The Institute offers M.Sc Communication Studies in following area which includes:
 - M.Sc Communication Studies (Morning Program) with three specializations:
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - M.Sc Communication Studies (Replica Program) with three specializations:
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - M.Sc Communication Studies (Development Journalism) Evening Program
 - M.Sc Communication Studies (Film and TV Production) Evening Program

○ **MS and PhD Programmes:**

- M. Phil Communication Studies (Research Track)
- M. Phil Communication Studies (Professional Track)
- Ph. D Communication Studies



○ **Academic Achievements**

The students have achieved academic distinctions in various events. Their documentaries have been not only selected in national but also in international events.

○ **Honors and Awards**

The students have won different honors and awards on documentaries etc.

○ **Institutional Linkages**

The Institute of Communication Studies has linkages with various Television Channels, Newspapers, Public Relation Departments and Advertising Agencies.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

Telephone (s): +92-42-99231231

Fax Number (s): +92-42-9232375

E-mail Address (s): director.iscs@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS (4 years) Sociology & Sociocultural Studies (Regular)
- BS (4 years) Sociology & Sociocultural Studies (Replica/Self-Supporting)
- MSc Sociology (Regular)
- MSc Sociology (Replica Self-Supporting)
- M.Sc Development Studies (Regular)
- M.Sc Development Studies (Replica Self-Supporting)
- MSc Population Sciences (MPS) (Afternoon/Self-Supporting)
- MSc Criminology & Security Studies (Evening/Self-Supporting)

○ **M.Phil. and PhD Programmes**

- M.Phil Sociology (Regular)
- M.Phil Sociology (Replica)
- M.Phil Education Policy & Development (Regular)
- M.Phil Education Policy & Development (Replica)
- M.Phil Public Health (Evening)
- Ph.D Sociology
- Ph.D Public Health (Evening)

○ **Foreign Academic Linkages**

- Linkages with Belfield University, Germany
- Student Exchange with University of Erfurt, Germany during summer 2014.
- Arizona State University

○ **Institutional Linkages**

- National Centre for Resettlement and Rehabilitation in Collaboration with World Bank.
- Centre for Peace and Security Studies



- Sughra Begum Center for Educational Policy & Development in collaboration with PEP Foundation in New York, USA.
- Day Care Centre with the collaboration of Women Development Department. Government of Punjab.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

Telephone (s): +92-42-99213791-93

Fax Number (s): +92-42-99213796

E-mail Address (s): principal@puhcbf@pu.edu.pk

○ **Undergraduate and Postgraduates Programmes**

▪ Undergraduate Programs

BBA (Hons.) – Four Year Program in the Morning on Regular basis in the following disciplines:

(a) Banking & Finance (b) Insurance & Risk Management

▪ Postgraduate Programs:

MBA Program 3.5 Years Regular Morning & Evening Program after 14 years of education in the following disciplines:

(a) Banking & Finance (b) Insurance & Risk Management

○ **MS and Ph.D Programs**

MS / MBA Programs to students after their BBA (4-Years) Program in the following disciplines:

(a) Banking & Finance (b) Insurance & Risk Management

These are regular programs being offered in the morning. At present we are not offering any Ph.D Program

○ **Academic Achievements**

Our degree programs are tailored to meet needs of Banking, Insurance Industry and Corporate World. We have earned repute on account of performance of our students in the field of Banking, Finance, Insurance & Risk Management. Financial sector recognizes and acknowledges the potential, excellence, practical knowledge and professionalism of our graduates. They are rendering services in Corporate Sector, Banks, Financial Institutions and Insurance Sector both at home and abroad. Our qualified students are also serving the Civil Services of Pakistan besides public sector entities including Excise & Taxation AG Office, Civil Secretariat, Police, Armed Forces and LDA etc.



○ **Foreign Academic Linkages:**

We do not have any formal Academic Linkages, However, transfer credit are being accepted by Universities in Australia, UK and USA.

○ **Institutional Linkages:**

We have strong Institutional Linkage with Lahore Insurance Institute (LII), Lahore. They are facilitating us in curriculum development and providing faculty for teaching. We are also in liaison with Banking & Financial Institutions Asset Management Companies, Lahore Chapter of Pakistan Stock Exchange and Forex Companies for imparting Knowledge on practical aspects. The College has signed MOU with reputed organization also to accomplish common objective.

HAILEY COLLEGE OF COMMERCE

Telephone (s): +92-42-99230325, 99230327, 99231273, 99231804

Fax Number (s): +92-42-99231274

E-mail Address (s): principal@hcc.pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- B.Com. Hons. (Semester System): 04 years Programme
- M.Com (Semester System): 3 ½ years Programme after 14 years schooling
- D.C.M.A: Post Graduate Diploma in Cost and Management Accounting
- DED: Post Graduate Diploma in Entrepreneurship

○ **MS and PhD Programmes**

- M.Com (Semester System): 1 ½ years Programme after 16 years schooling
- M.Phil (Semester System) in Commerce
- Ph.D (Semester System) in Commerce

○ **Academic Achievement**

NBEAC 2014-2016

○ **Institutional Linkages**

With ACCA and Ora Tech established Negotiation with ICAP & ICMA

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Telephone (s): +92-42-9231167

Fax Number (s): +92-42-9230478

E-mail Address (s): chairman@eco.pu.edu.pk

○ **Graduate and Postgraduate Programs**

- M.Sc. Economics (Morning)
- M.Sc. Economics (Replica)



- Master in Business Economics (MBEcon)
- Post Graduate Diploma in Applied Economics (PGDAE)
- **M.Phil and PhD Programs**
 - M.Phil Economics (Morning)
 - M.Phil Economics (Weekend Self Supporting)
 - Ph.D. Economics
- **Academic achievements**
 - The Department of Economics has undergone substantial improvements during the last year. Several steps have been taken to improve infrastructure, research facilities, faculty development, computer lab and library. The faculty has published twenty-eight (28) research papers in various national and international Journals. Two issues of HEC - recognized research journal of the Department of Economics, *Pakistan Economic and Social Review* (PESR), were published.
 - The currently enrolled students of Ph.D. are twenty-six (26) which is first time in the history of the University of the Punjab. The Department started M. Phil. Program in 2004, and M.Phil (Weekend Self-Supporting Program) has started from the session 2014-2015. During the session 2016-17, (57) students have completed their course work and are now working on their theses. Besides, twenty (20) & forty (40) students have been admitted to M. Phil.(morning) & M.Phil (Weekend Self-Supporting Program) respectively for the session 2017-18. Presently all programs of the Department are under semester system. During the year 2016-17, one hundred and five (105) books were purchased. The Department received 35 journals under exchange program. Presently, the Department is offering 07 programs under which 608 students are enrolled.

DEPARTMENT OF INFORMATION MANAGEMENT

Telephone (s): +92-42-99231224

E-mail Address (s): chairperson.dlis@pu.edu.pk

- **Undergraduate and Postgraduate Programs**

There are morning and replica Masters in Information Management (MIM) programs. In 2016, forty-seven students and in 2017, fifty students got their Master's degree.
- **MS and PhD Programs**

In 2016, three students and in 2017, Twenty students got their M.Phil's degree. In 2016, three students and in 2017 two students got their Ph.D. degree.
- **Institutional Linkages**

The Department has become the first institution of Pakistan to get the membership of CiSAP (Consortium of iSchools Asia Pacific), and got institutional membership of Association for Library and Information Science Education (ALISE) and Chartered Institute of Library and Information Professionals (CILIP).

**INSTITUTE OF ADMINISTRATIVE SCIENCES**

Telephone (s): 92-42-99231163, 99231165

E-mail Address (s): director.ias@pu.edu.pk

- Studies at the Institute of Administrative Sciences are organized under the semester system. Students are offered summer internship and counseling, referrals & placement services, a well-equipped library and computer laboratory. Learner centered teaching, quality research by faculty as well as by students, comprehensive examinations, a strong link with employers, all contribute to the quality of education at IAS. A distinct feature of the Institute is its competent and committed faculty comprising of over twenty five permanent members.
- IAS is a modern, vibrant and innovative institute that offers a wide range of career oriented as well as socially required and globally relevant academic programs from BS in Management to PhD in Management. Our academic portfolio consists of the following programs:
 - BS in Management (HR, Marketing, Finance, Public Management & Supply chain) - Offered as Regular and Self Support Program
 - Master of Human Resource Management (Offered as Regular, Self Support and Executive/ Evening Program)
 - Master of Marketing (Offered as Executive/ Evening Program)
 - Master of Health Administration (Offered as Executive/ Evening Program)
 - Master of Science in Health Administration (Offered as Executive/ Evening Program)
 - Master of Public Administration (18 years of Education, Offered as Regular and Executive/ Self Support Program)
 - Master of Science in Human Resource Management Program Offered as Regular, Self Support & Executive/Evening Program)
 - MPhil Management (Regular Program)
 - PhD Administrative Sciences (Management) (Regular Program)
- Our faculty and staff are ready to be partners in the process of learning and personal development of students in their studies and professional development. We are committed to providing rewarding educational experience which is the hallmark of our Institute. In the past few years, we have made major additions in our undergraduate and graduate degree programs – by introducing the element of research and practical assignments/ projects in almost all the courses offered. We have added sixteen new journals and approximately three hundred books of different authors and topics in the department library to facilitate students in their research. Our talented and dynamic faculty is better educated and trained to provide individual attention and a life changing development experience. Furthermore, we continue to work for the up gradation of our faculty by providing them research opportunities at various foreign universities and some of them are already in a process to earn doctorate from abroad which will further add to the knowledge base of the Institute and stimulate future research opportunities amongst the student body.



INSTITUTE OF BUSINESS ADMINISTRATION

Telephone (s): +92-42-99231257-58

Fax Number (s): +92-42-99231259

E-mail Address (s): director.iba@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

Currently, the following undergraduate and postgraduate programs are being offered by this institute

- BBA (Hons) (Morning/Afternoon) Program
- MBA 1.5 Years (Morning) Program
- MBA 3.5 Years (Afternoon) Program
- MBA (Evening) Program
- PGD (Evening) Program

○ **MS and PhD Programmes**

IBA offered M.Phil in Business Administration during the reporting period and there were 20 seats for this program. However, admission in Ph.D in Business Administration Program were not offered in the academic session 2016-2017.

○ **Academic Achievements**

Institute of Business Administration (IBA) traces its history back to 1972 as a department. Later on, in 1987, the department was upgraded to the status of Institute. This was a great milestone in the history of the University, as IBA was the second institute in Pakistan where teaching of business administration was being offered. The Institute was shifted to its existing building in 1994. One year Post Graduate Diploma in Business Administration was started in 1992. To impart management education to in-service executives, MBA evening was started in 1995. In 2005, BBA (Hons) was also started for high-caliber under-graduate students who are both academically able and exhibit strong managerial potential. BBA (Hons) is offered on regular (morning) and self-support (afternoon) basis. In 2009, MBA (One and Half years) was also started for IBA-PU BBA (Hons) graduates and the program is offered on regular basis. Aimed at developing advanced competencies in theorizing and research, IBA started M.Phil in Business Administration and Ph.D in Business Administration programs in 2014. In order to cater to the growing needs of the corporate sector, IBA launched MBA 3.5 years self-supporting program (equivalent to MS/M.Phil degree) from session 2016 for candidates having 14 years educations. To-date, IBA has produced 26 M. Phil, 398 MBA (1.5) Years, 4934 MBAs, 844 BBAs, 1216 PGDs and 9 ABMs and they are making valuable services at both national and international level. The detail is given as under:-



Sr. No.	Program	No. of Students		
		Previous	During reporting period	To-date
1	M. Phil	13	13	26
2	MBA 1.5 Years (Morning)	322	47	369
3	MBA 1.5 Years (Afternoon) (presently not offered)	29	-	29
4	MBA (Morning) (presently not offered)	2452	-	2452
5	MBA (Evening)	2382	100	2482
6	BBA Hons (Morning)	349	51	400
7	BBA Hons (Afternoon)	390	54	444
8	PGD (Evening)	1191	25	1216
9	ABM (Evening) (presently not offered)	9	-	9

- Number of permanent/contract faculty members

Sr. No.	Post	Nos.
1	Professor	-
2	Associate Professor	-
3	Assistant Professor	10
4	Lecturer	5

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

Telephone (s): +92-42-99230825-6

Fax Number (s): +92(42)99230557

E-mail Address (s): director@ibitpu.edu.pk

Web Site: www.ibitpu.edu.pk

The Institute is running two programs BBIT (Hon.) and MBIT (via BBIT). IBIT has 803 students enrolled out of which 711 are in BBIT-Hon. and 92. in MBIT via BBIT program. The detail of enrolled students in Fall Semester 2016 is given below:

- BBIT (Hon.) degree consists of 130 credit hours. It is 4 years full time study program
- MBIT (via BBIT) degree consists of 36 credit hours. It is one and a half year full time study program with 6 credit hours thesis. This degree is equivalent to MS/MPhil according to HEC road-map. To be eligible for the MBIT (via BBIT) program, a candidate must have BBIT (Hon.) degree from BBIT.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Telephone (s): +92-42-99230211

Fax Number (s): +92-42-99230211

Undergraduate and Postgraduate Programmes

Master in Special Education



MS and PhD Programmes

- Ph.D in Special Education
- M.Phil in Special Education

○ **Honours and Awards**

Dr. Humara Bano received a Gold Medal from Idera-e-Taleem-o-Agahi Islamabad

○ **Institutional Links**

The department is linked with Directorate of Staff Development (DSD) for the training of in-service teachers in inclusive education. It is also in liaison with Rising Sun Institute for Children with Mental Retardation, Amin Maktab Centre for Children with mental Retardation, Child Welfare Centre for Mentally Challenged Children, Hamza Foundation Academy of the Deaf, and Punjab Public Service Commission.

INSTITUTE OF EDUCATION AND RESEARCH

Telephone (s): +92-42-99231263/5

Fax Number (s): +92-42-35864004

E-mail Address (s): director.ier@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- M.A. Education Elementary (2 years)
- M.A. Education Secondary (2 years)
- M. A. Education Islamic (2 years)
- M. A. Early Childhood Education (2 years)
- M.A. English Language Teaching & Linguistics (2 years)
- Master of Business Education (M.B.E) (2 years)
- Master of Science Education (M.S.Ed.) (2 years)
- Master of Technology Education (M.T.E.) (2 years)
- Master of Educational Research & Assessment (2 years)
- Master of Education (M.Ed.) (Regular) (1 year)
- Master of Education (M.Ed.) (Evening) (1 year)
- B.Ed. (Hons) Elementary (4 years)
- B.S.Ed (Hons) (4 years)
- ADE Leading to B.Ed Hons (1 year)

○ **MS/ PhD Programmes**

- M. Phil Education (2 years)
- Ph.D in Education (5 years)

○ **Academic Achievements**

This brief report provides information pertaining to the academic activities at IER during the period 01-10-2016 to 30-09-2017. During this period 763 students were enrolled in Bachelor degree programmes, 1443 students were enrolled in all master degree programs and



311 students in M.Phil. During this period 826 completed their Master Degrees, 63 M.Phil and 5 students were awarded Ph.D Degree. In this period 500 books and 5 Foreign Research Journals were added in the library. There are total 43 faculty members teaching in the IER.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Telephone (s): +92-42-99239504, 35952911

Fax Number (s): +92-42-99231159

E-mail Address (s): coaltechnology@yahoo.com, director.cct@pu.edu.pk

- **Postgraduate Programmes**
M. Sc. Coal Technology (Regular Morning Programme)
- **MS and Ph. D. Programmes**
M.Phil Coal Technology (Self-supporting Evening Programme)
- **Honours and Awards**
Best Session Presentation Cash Award of Rs. 15000/- in 6th Innovation to invention summit 2017, March 8-9 2017, University of the Punjab.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99230807, 992318189

Fax Number (s): +92-42-99231159

E-mail Address (s): pu.polymertech@hotmail.com

- **MS and Ph.D Programme**
 - M.Phil Polymer Technology (Self Supporting Evening Programme) 2 Years
Our running M.Phil programme has following activities
 - Lectures
 - Quizes
 - Labs
 - Presentations
 - Research Thesis
 - Research Motivation
 - Knowledge of state of art of modern research equipments
 - Publications in international high impact factor journals
 - Ph.D Polymer Technology (Morning Programme)
 - One-year (Two Semesters) exclusive course work of advance levels
 - Knowledge of state of the art research equipments
 - Proper presentations and defence of synopsis
 - Full time research work on projects of applied nature



○ **Academic Achievements**

- In 2016-17 department successfully continued M.Phil Polymer Technology Program. This interdisciplinary program is providing education to multiple sector of students regarding Polymer science and engineering.
 - 26 were published in 2016-17.
 - Approximately 10 projects are approved for research and development of department.
 - Research thesis of students continued.
 - Strong efforts are made in adopting and developing new technology.
 - Awareness with advanced characterization techniques and use of high class research instruments.
 - Enhanced the capabilities of students for polymer/ material synthesis and characterization.
 - Training of students to work with others in multidisciplinary teams.

○ **Institutional Linkages**

- Institutional Linkages of department with other universities are following:
 - Institute of Chemistry PU Lahore
 - Government College University (GCU), Lahore
 - Government College University (GCU), Faisalabad
 - National University of Sciences and Technology (NUST), Islamabad
 - Plastic Technology Center (PTC), Karachi
 - Quaid-e-Azam University, Islamabad
 - Centre for Solid State physics PU, Lahore.
 - Demont Montessori College of Dentistry, Lahore
 - BahaudinZakria University (BZU), Multan
 - University of Engineering & Technology (UET), Lahore
- Industries
 - Reliance polymer industries, Lahore
 - Power Chemicals, Faisalabad
 - Anwar Khawaja Industries, Sialkot
 - Shafi Reso Chem Industries, Lahore
 - UniFoam, Lahore

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

Telephone (s): +92-042-99232012

Fax Number (s): Nil

E-mail Address (s): principal.ceet@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

Programmes: B.Sc (Engg) Metallurgy and Materials Engineering



- **MS and PhD Programmes**
Metallurgy and Materials Engineering
- **Foreign Academic Linkages**
Universiti Teknologi PETRONAS Malaysia, Jiangxi University of Science and Technology China

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

Telephone (s): 042-99230569-70

Fax Number (s): 042-99230571

E-mail Address (s): info.tet@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
M.Sc (Engg.) Textile Engineering (approved & NOC Required from HEC)
- **Institutional Linkages**
A Memorandum of Understanding (MoU) is signed between the University and Textile Testing International (TTI) on 13.10.2010.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99230462

Fax Number (s): +92-42-99231159

E-mail Address (s): director.icet@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
The Institute of Chemical Engineering and Technology is a pioneer Institute in the field of chemical engineering and provides broad-based Chemical Engineering programs resulting in B.Sc. Engineering, M.S. Engineering, and PhD degrees. The undergraduate and post graduate programs at the Institute prepare students for profession in chemical engineering-an exciting and challenging profession that combines the principles of the physical and chemical sciences with the discipline of engineering to solve technological problems using modern tools and provide effective service to society. Institute also contributes towards continual professional development of its graduates for which Continual Professional Development Cell (CPDC) is established. The role of CPDC is to develop competence and ability of engineers for the application of theoretical knowledge to practical situations and to evolve innovative solutions to real life problems while adhering to professional ethics and acquisition of a broader understating of their obligations to society. The graduate engineers participate in the continual development of new processes and new products that form the basis of much of the manufacturing segment of the global economy.
- **MS and PhD Programmes**
Post graduate programs of M.Sc. and PhD Chemical Engineering provides opportunity for graduates for world-class research in renewable energy, co-combustion of coal and biomass, biodiesel, catalysis, polymers, rheology, material sciences, fluid dynamics, membrane technology, reaction engineering and filtration. Our laboratory facilities support innovative experimental work and are in line with industrial applications.



The following postgraduate courses are being offered at the Institute.

- M.Sc. (Engg.) Chemical Engineering
- PhD (Engg.) Chemical Engineering

○ **Academic Achievements**

The institute has a glorious history of service to the chemical and process industry in the country and abroad. The alumni of the Institute have contributed significantly to the industrial growth and economic development of the country by helping in the design, construction, commissioning, operation and management of many important chemical plants, petroleum refineries and a number of allied industrial units. They are holding highly responsible positions in Education, Pakistan Atomic Energy Commission, Pakistan Council of Scientific and Industrial Research, Chemical and Process Industries both in the private and public sector, Defense Organizations, Universities and Governmental Departments.

- The institute is home for more than thirty faculty members and approximately five hundred students. Institute's library is adorned with more than 35000 titles on chemical engineering and general sciences. Institute has also subscribed various international and national research journals. Institute has latest and state of the art computer laboratory having more than 40 computers. Additional twenty computers are installed in library to provide internet facility to the students.
- The institute regularly organizes trainings, workshops, symposia and conferences. Recently 2nd International Conference on Engineering Sciences on 2-3rd December, 2016 was organized at the Institute in which different presenter in the engineering field from all the over the Pakistan has presented their research. Many speakers were invited from Industry to highlight the issues that Pakistan industries are facing at the moment. This way a good industrial liaison has been created with the Institute and hopefully future research of Institute will address the industrial issues as well. Industry and academics highly appreciated these activities.
- A Continual Professional Development Cell (CPDC) is established at the Institute level which provides training and development courses for fresh as well as employed engineers. Recently following courses were offered at the forum of CPDC:
 - Aspen / Hysys for Chemical Engineers
 - Sustainable Environmental Production
 - Communication Skills Development
- The institute has a tradition to invite the leading organizations at the premises of the institute for recruitment of young engineers. More than 15 process units conducted their recruitment process at the institute in the current fiscal year. Some of major recruiters are Engro Fertilizer, Nestle, Nimir Chemicals and Descon.
- The leadership at the Institute of Chemical Engineering and Technology is striving to provide excellent learning, research and co-curricular facilities. The faculty and students of the institute have access to many educational resources, as well as opportunities for both basic and applied research. The class rooms, laboratories, conference room, offices and building are upgraded to provide conducive environment to students, faculty and staff.



- **Foreign Academic Linkages**

Although a few MOUs have been signed with different universities at university level, an MOU has been signed with Universiti Teknologi Petronas and Institute of Chemical Engineering and Technology.

- **Honours and Awards**

- Many alumni of this Institute has been decorated with Sitara-e-Imtiaz Pakistan award for their over whelming contributions in the field of Education.
- Prof. Dr. Aamir Ijaz was awarded at Innovation to Invention Summit on the project research on "Insect Repellent".

- **Institutional Linkages**

- The Institute has a strong linkage with the industry, public and private sector institutions including SNGPL, PCSIR Laboratories, Atomic Energy Commission, PSQCA, National University of Sciences and Technology (NUST) Islamabad, NFC IET, NFC IFR, University of Engineering & Technology (UET) Lahore to share existing facilities.
- Recently an MOU is being prepared to be signed between Institute of Chemical Engineering and Technology and Brighto Paints.

DEPARTMENT OF ELECTRICAL ENGINEERING

Telephone (s): +92-042-99231094

Fax Number (s): +92-042-99231159

Email Address (s): principal.ceet@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**

B.Sc. Electrical Engineering

- **Foreign Academic Linkages**

Electrospell (UK), University of Glasgow & University of Cape Town

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Telephone (s): +92-42-99230084-85

Fax Number (s): +92-42-99231159

E-mail Address (s): director.iqtm@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**

- 4 years BSc Industrial Engineering & Management (IEM) and
- 2 years MSc Quality & Performance Management (Q&PM) program.

- **MS and PhD Programmes**

- 2 years MS Total Quality Management (TQM)-Fall
- 2 years MS Total Quality Management (TQM)-Spring
- 2 years MS Industrial Engineering & Management (IEM)-Spring
- 3 years PhD Total Quality Management (TQM) program.



SKILL DEVELOPMENT CENTRE

Telephone (s): +92-42-042-99230083

Fax Number (s): +92-42-9231159

E-mail Address (s): head.sdc@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

▪ **Short Courses**

- Lean Six Sigma (Green & Black Belt)
- Advance Excel
- Social Media Marketing
- Programming (Visual Basic, Asp. Net, Java, Android and Mobile Applications)
- Certified Project Management Professional
- Enterprise Resource Planning (Supply Chain, Accounting, Finance & HR)
- TRIZ Methodology for innovation
- Certified HR Professional
- Certified Quality Professional
- Certified Health & Safety Professional
- Primavera P6 Professional
- Spoken English
- IELTS (Preparation)
- Microsoft Office
- Graphic Designing
- Web Designing & Development
- Web Engineering
- Professional Photography
- Data Analysis by using SPSS
- Search Engine Optimization (SEO)
- Data Base (Oracle, SQL, Server)
- Academic Writing
- Digital Writing
- Business Accounting Software (Peachtree, QuickBooks, Tally)

○ **Academic Achievements**

Around 900 Students and employees from various industries have participated in the following courses at skill development Centre.

- Six Sigma (Green & Black Belt)
- Certified Project Management Professional
- Microsoft Office Management
- Web Design and Development
- Graphic Designing



- Spoken English
- IELTS (PREPARATION)
- WEB ENGINEERING
- DATABASE

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

Telephone (s): +92-42-99231232

Fax Number (s): +92-42-99231141

E-mail Address (s): chairman.is@pu.edu.pk

- **Postgraduate Programmes**
 - BS Islamic Studies (Specialized World Religion)
 - M.A. Islamic Studies Programmes is running successfully in the department.
- **M.Phil and PhD Programmes**
 - Three M. Phil. Programmes (One Regular and Two Self-supporting) and Ph.D. Programmes in Islamic Studies are successfully running in the department.
- **Academic Achievements**
 - Three students of department won positions in essay competition of Ministry of Religious Affairs
- **Honours and Awards**
 - National Research Awards January 2017 was awarded to Dr. Shahida Parveen, Associate Professores.

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

Telephone (s): +92-42-99211607

E-mail Address (s): uei@pu.edu.pk

- **Honours and Awards**

Provincial Award: (1st Prize) provincial level in National contest of paper writing on seerah, entitled: "Role of National Leadership in a Muslim State" 2017), Conducted by Ministry of Religious affairs Govt of Pakistan.

SHEIKH ZAYED ISLAMIC CENTRE

Telephone (s): +92-42-99231140

Fax Number (s): +92-42-99231141

E-mail Address (s): director.szic@pu.edu.pk, info.szic@pu.edu.pk

Sheikh Zayed Islamic Centre is on the way to rapid advancements in its academic and administrative spheres. Three degree programmes i.e. B.S. (four years) Islamic Studies, M.Phil.



Islamic studies and Ph.D. Islamic Studies are being run by the Centre. At M.Phil. level, research projects are allotted keeping in view the current issues in the field of Islamic Studies. Sheikh Zayed Islamic Centre has its own library with 16020 books which contains primary sources of Quranic Sciences, Hadith, Fiqh and Islamic History. Sheikh Zayed Islamic Centre has a well-established computer lab. with **35** (2016-17) PCs and a Language Lab. with capacity of 30 seats.

○ **Undergraduate and Postgraduate Programmes**

- BS Islamic Studies

124 students were admitted in BS Islamic Studies and 78 students passed out.

○ **MS and PhD Programmes**

- M.Phil. Islamic Studies

30 students were admitted in M.Phil. Islamic Studies and 16 students passed out.

- Ph.D. Islamic Studies

15 students took admission in Ph.D. Islamic Studies during the year 2016-17 and 1 Ph.D. scholars managed to get the degree of Ph.D Islamic Studies in the year 2016-17.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

Telephone (s): +92-42-99231275-99231276

Fax Number (s): +92-42-99231278

E-mail Address (s): principal@law.edu.pk. pulc@brain.net.pk

○ **Undergraduate and Postgraduate Programmes**

- B.A. LL.B (Hons.)
- LL.B 3 Years
- D.T.L
- D.L.L
- D.I.P.L
- D.E.L
- D.B.L
- D.I.T.L
- DCLP

○ **MS and Ph.D Programmes**

- LL.M
- Ph.D



○ **Institutional Linkages**

- District Bar Council
- High Court Bar
- Court Bar
- Punjab Judicial Academy
- Trade Development Authority
- Punjab Environment Department
- Sociology Department (P.U)

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Telephone (s): +92-42-99231145, 99238747

Fax Number (s): +92-42-99231147

E-mail Address (s): director.ccpsy@pu.edu.pk

○ **Undergraduate and Postgraduate Programme**

- BS (4 Years) in Clinical Psychology
- Advanced Diploma in Clinical Psychology (Morning & Replica)

○ **MS and Ph.D. Programmes**

- Ph.D. in Clinical Psychology
- MS in Clinical Psychology
- MS in Speech Language Pathology

○ **Academic Achievements**

- BS (4 Years) in Clinical Psychology: 31 students completed their degree
- MS Programme in Clinical Psychology: 13 students completed their degree
- MS Programme in Speech Language Pathology: 16
- Advanced Diploma in Clinical Psychology: 17 students completed their diploma

○ **Institutional Linkages**

Professional linkages with the following psychiatric services providing institutes are well established in order to provide trainee clinical psychologists an opportunity to learn through practical implication of knowledge:

- Services Hospital, Lahore.
- Mayo Hospital, Lahore.
- Sir Ganga Ram Hospital, Lahore.
- Jinnah Hospital, Lahore.
- Punjab Institute of Mental Health, Lahore.



- Amin Maktab, Lahore.
- Shadab Training Institute, Lahore.
- Child Protection Bureau, Lahore.
- Social Welfare Department, Govt. of Punjab, Lahore.
 - Dar-ul-Sakoon,
 - Dar-ul-Falah,
 - Chaman Institute for Special Children.
- Lahore General Hospital
- Turning Point, Lahore.
- Fountain House, Lahore.
- Fatima Memorial Hospital, Lahore.
- MOU with Child Protection Bauru (CPB) is in process.
- MOU with Pakistan Sweet Home (Orphan House) is in process.
- MOU with Pakistan Rescue 1122 is in process.
- MOU with Pakistan Beacon House is in process.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Telephone (s): +92-42-35293137, 35293142-46

Fax Number (s): +92-42-35293149

E-mail Address (s): director@cemb.edu.pk, sao@cemb.edu.pk

○ **MS and Ph.D Programmes**

- M.Phil and Ph.D Programme in Molecular Biology

○ **Academic Achievements**

In 2016, thirty-eight M.Phil and four Ph.D degrees were awarded to research scholars. In 2017, CEMB produced forty-four M.Phil and one Ph.D scholars (which is expected to be four by the end of year). At present, thirty-eight faculty members are engaged in teaching and research activities. Current enrollment of research scholars is ninety M.Phil, and one hundred & twenty-seven Ph.D students.

○ **Foreign Academic Linkages**

- Centre is academically linked with TWAS and there are five students enrolled in Ph.D programme under TWAS-CEMB fellowship.

○ **Honours and Awards**

- 2016
 - CEMB won a Technology Award at 5th Invention to Innovation Summit held on March 02-03, 2016 University of the Punjab Lahore.
 - Invention to Innovation Award in October 2016 for CEMB Klean cotton from University of Engineering and Technology Peshawar.



- Prof. Dr. Ahmad Ali Shahid won a Performance Evaluation Award for the year of 2015 with percentage score of 85.33.
- Post-Doc Fellowship Award to Dr. Abdul Qayyum Rao by Alexander von Humboldt Foundation; Botanische Institute-II, Karlsruhe Institute of Technology (KIT), Germany.
- IRSIP HEC six months training program awarded to Ms. Naila Shahid at School of Dental Medicine, University of Pennsylvania, USA.
- IRSIP HEC six months training program awarded to Mr. Salah-ud-Din at School of Biosciences, Cardiff University, UK.
- IRSIP HEC six months training program awarded to Mr. Malik Adil Abbas, School of Plant Sciences, University of Arizona, USA.
- IRSIP HEC six months training program awarded to Mr. Bilal Sarwar at Department of Molecular Biology and Genetics, Aarhus University, Denmark
- IRSIP HEC six months training program awarded to Mr. Nadeem Hafeez at Uppsala University, Sweden.
- Prof. Dr. Ahmad Ali Shahid won PCST Research Productivity Award 2015-16, Scientific ID # 3018.
- Dr. Tayyab Husnain and Dr Ahmad Ali Shahid won the PCST Research Productivity Award.
- Post-Doc Scholarship awarded to Dr. Samia Afzal by Universite Joseph Fourier, Institut Albert Bonniot Centre de Recherche INSERM-UJF U82, France.
- IRSIP HEC six months training program awarded to Muhammad Shahid, Department of Gastroenterology, Erasmus Medical College, Netherlands.
- Dr. Idrees Ahmad Nasir has received Performance Evaluation Award-2016 granted by Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- Dr. Bushra Tabassum has received Performance Evaluation Award-2016 granted by the Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- Dr. Bushra Ijaz has received Performance Evaluation Award-2016 granted by the Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- 2017
 - CEMB won three Technology Awards and one Special Award in 2nd Invention to Innovation Summit SINDH at Karachi University in 2017 on three products.
 - Multiple gene cotton varieties.
 - Ecoli expression of HA gene.
 - Production of edible vaccine against NDV.



- Dr. Bushra Ijaz, Assistant Professor won APSAL Travel Award for oral presentation in Asian Pacific Association for the Study of Liver (APSAL) conference held in February 2017 in China.
- CEMB received ICRA-Asia Young Scientist Innovation Medal-2017.
- CEMB won Invention to Innovation Award 2017 organized at University of the Punjab, Lahore.
- CEMB won Invention to Innovation Award 2017 organized at University of Balochistan and won five awards for Edible Vaccines, Transgenic Corn, Biolistic Gun.
- Post-Doc Fellowship Awarded to Dr. Abdul Qayyum Rao by Alexander von Humboldt Foundation; Botanische Institute-II, Karlsruhe Institute of Technology (KIT), Germany (1st phase completed)
- IRSIP HEC six months Training Program awarded to Ms Ambreen Gul at Department of Molecular Biology and Genetics, Aarhus University, Denmark.
- IRSIP HEC six months training program awarded to Zahida Qamar at Department of Cell and Systems Biology, University of Toronto, Canada.
- IRSIP HEC six months training program awarded to Ms Fatima Batool at Faculty of Life Science University of Manchester, UK.
- CEMB won a Technology Award at 5th Invention to Innovation Summit held on March 02-03, 2016 University of the Punjab Lahore.
- Invention to Innovation Award in October 2016 for CEMB Klean cotton from University of Engineering and Technology Peshawar.
- Prof. Dr. Ahmad Ali Shahid won a Performance Evaluation Award for the year of 2015 with percentage score of 85.33.
- Post-Doc Fellowship Award to Dr. Abdul Qayyum Rao by Alexander von Humboldt Foundation; Botanische Institute-II, Karlsruhe Institute of Technology (KIT), Germany.
- IRSIP HEC six months training program awarded to Ms. Naila Shahid at School of Dental Medicine, University of Pennsylvania, USA.
- IRSIP HEC six months training program awarded to Mr. Salah-ud-Din at School of Biosciences, Cardiff University, UK.
- IRSIP HEC six months training program awarded to Mr. Malik Adil Abbas, School of Plant Sciences, University of Arizona, USA.
- IRSIP HEC six months training program awarded to Mr. Bilal Sarwar at Department of Molecular Biology and Genetics, Aarhus University, Denmark
- IRSIP HEC six months training program awarded to Mr. Nadeem Hafeez at Uppsala University, Sweden.
- Prof. Dr. Ahmad Ali Shahid won PCST Research Productivity Award 2015-16, Scientific ID # 3018.
- Dr. Tayyab Husnain and Dr Ahmad Ali Shahid won the PCST Research Productivity Award.



- Post-Doc Scholarship awarded to Dr. Samia Afzal by Universite Joseph Fourier, Institut Albert Bonniot Centre de Recherche INSERM-UJF U82, France.
- IRSIP HEC six months training program awarded to Muhammad Shahid, Department of Gastroenterology, Erasmus Medical College, Netherlands.
- Dr. Idrees Ahmad Nasir has received Performance Evaluation Award-2016 granted by Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- Dr. Bushra Tabassum has received Performance Evaluation Award-2016 granted by the Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- Dr. Bushra Ijaz has received Performance Evaluation Award-2016 granted by the Vice Chancellor, University of the Punjab, Lahore, Pakistan.

○ **Institutional Linkages**

Centre has strong linkages with different learning institutions. Many students are doing their internship with a background of life science. The institutions are as under,

- Lahore College for Women University
- Kinnaird College for Women Lahore
- University of Veterinary and Animal Science, Lahore
- Allama Iqbal Medical College (AIMC)/Jinnah Hospital, Lahore
- Bahuddin Zakria University, Multan
- Shaheed Zulfiqar Ali Bhutto Medical University, PIMS Islamabad,
- Benevolent Trust Free Eye Hospital (LRBT), Lahore.
- Institute of Agricultural Sciences (IAGS), University of the Punjab, Lahore.
- Arid Agriculture University, Rawalpindi
- University of Agriculture , Faisalabad
- University of Lahore, Thokar Niaz Baig, Lahore
- Government College University, Lahore
- COMSAT Sahiwal Campus
- Institute of Biochemistry & Biotechnology IBB, UVAS, Lahore.
- Govt College Home Economics, Lahore.
- FC College University, Lahore.
- College of Earth and Environmental Science (CEES) University of Punjab
- Avicenna Medical College/Hospital, Lahore.
- Muhammad Ali Jinnah University, Islamabad
- The Islamia University, Bahawalpur.
- National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad
- Abdul Wali Khan University Mardan.
- International Center for Chemical and Biological Sciences, University of Karachi



DEPARTMENT OF BOTANY

Telephone (s): +92-42-99231152

Fax Number (s): +92-42-99230481

E-mail Address (s): chairperson.botany@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- Department of Botany is running one Undergraduate BS Botany (4-Years) (Morning) Program and two Postgraduate M.Sc Botany (Morning and Replica) Programs. Admissions of these programs are held annually during the month of September/October (as per University schedule). There are 29 seats for BS (4-Years) Morning program and 45 seats in M.Sc. Morning Programs. These programs are being run under semester system.

○ **MS and PhD Programmes**

- The Department is also offering MS & M.Phil Botany (2-years) Regular and Replica programs. There are 15 seats each for MS & M.Phil Regular programs. The Department also runs Ph.D (Regular) and Old scheme programs. All programs are run under Semester systems.

○ **Academic Achievements**

- The following session were completed during the said period:

Program	Session	No. of students
BS	2012-16	21
BS	2013-17	18
M.Sc.	2014-16	38
M.Sc.	2015-17	30
MS	2014-16	10
MS	2015-17	10
M.Phil	2014-16	09
M.Phil	2015-17	10

- The following Ph.D Scholars awarded Ph.D degree:

- Nousheen Yousaf
- Umera Doger
- Muhammad Ishfaq
- Samia Akram
- Malka Saba
- Sana Jabeen
- Arifa Khalid
- Amna Ishaq



○ **Foreign Academic Linkages**

Prof. Dr. Muhammad Saleem with

- Dr. B.C. Lamb, Imperial College, London research on Molecular Evolution/Biodiversity
- Professor Nevo, University of Haifa (Department of Molecular Evolution)
- Professor Nasir ud Din from Molecular/ Bioinformation Institute, Nisbet Road, Lahore.
- Dr. Mukhtar ul Hussain from Brunel, London

○ **Institutional Linkages**

- Burns Lab Plant and Microbial Biology, University of California, Berkeley, USA.
- Jodrell Laboratory Royal Botanical Gardens, Kew, London.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

Telephone (s): +92-42-35952833

Fax Number (s): +92-42-35952855

E-mail Address (s): chairperson.mmg@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

Number of students enrolled during the period BS and M.Sc

	Male	Female	Total
BS Session (2015-19)	04	35	39
BS Session (2016-20)	04	33	37
BS Session (2017-21)	04	32	36
M.Sc (Session 2015-17)	02	33	35
M.Sc (Session 2016-18)	00	35	35
Total			182

○ **MS/M.Phil & Ph.D Programmes**

Number of students enrolled during the period MS/M.Phil & Ph.D

	Male	Female	Total
MS Session (2015-17)	01	13	14
MS Session (2016-18)	04	12	16
M.Phil Session (2015-17)	00	11	11
M.Phil Session (2016-18)	01	14	15
Ph.D (Session 2015-20)	02	10	12
Ph.D (Session 2016-21)	05	06	11
Total			79

○ **Academic Achievement**

Number of students passed out during period BS and M.Sc

Class	Male	Female	Total
BS Session (2012-16)	03	35	38
BS Session (2013-17)	02	30	32



M.Sc Session (2014-16)	00	34	34
M.Sc Session (2015-17)	01	31	32
Total			136

○ **Foreign Academic Linkages**

- TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
- Research Collaboration between Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia and Department of Microbiology and Molecular Genetics, Punjab University.

○ **Honours and awards**

- Prof Dr Shahida Hasnain Laurate of 2017 Carlos J. Finlay UNESCO Prize for Microbiology
- Mr. Muhmmad Zeeshan Akbar Awarded Fully Funded Chinese Government Scholarship for Ph.D Computer Science, School of Computer, South China Normal University, Guangzhou, China (2017-2020).
- Dr. Nousheen Zaidi was awarded Georg Forster Research Fellowship for Experienced Researchers by the Humboldt Foundation, March 2017- 19 (for 12 months divided up into three research stays).
- Dr. Nousheen Zaidi was awarded Scholarship to attend intensive German language course at Goethe Institute, Berlin by the Humboldt Foundation, March-June 2017.
- Dr Samreen Riaz, Best poster Second Prize winner on 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017.

○ **Institutional Linkages**

- International
 - Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA.
 - Prof. Dr Peter Lindblad, Department of Chemistry Angstrom –Microbial Chemistry, Uppsala University, Sweden.
 - Dr. Temitope Salaam, ICGEB Postdoc.
 - Develop collaboration for PHA research with Dr. Nehal I. Abu-Lail, Associate Professor and Associate Director, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, 118 Dana Hall Spokane Street, Pullman, WA 99164-2710, USA. Phone: 509-335-4961.
 - Develop collaboration for MDR-TB research with Dr. Tomasz JAGIELSKI, Department of Applied Microbiology, Faculty of Biology, University of Warsaw, Poland.
 - Developed Research collaboration between with Dr. Paul Ebner, Associate Professor, at School of animal Sciences, Purdue University, USA for working on Bacteriophage therapy.



- National
 - The University of Lahore (UOL).
 - University of Health Sciences, Lahore
 - Department of Biosciences University of Technology Malaysia.
 - The University of Lahore (UOL).
 - University of Veterinary and Animal Sciences, Lahore.
 - University of Health Sciences
 - GC University, Lahore.
 - FC College University, Lahore.
 - Baluchistan University of Technology and Management Sciences (BUTEMS), Quetta.
 - King Edward Medical College University, Lahore
 - Allama Iqbal Medical College, Jinnah Hospital Lahore
 - Citilab and Research Centre Lahore.
 - Comsats
 - Shaikh Zayed Hospital, Lahore
 - Familycon Federation Lahore
 - Gulab Devi Chest Hospital Lahore
 - Riphah Institute of Pharmaceutical Sciences, Riphah International University, Township, Lahore-Pakistan
 - Lahore College for Women University, Lahore

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

Telephone (s): 042-99231746

E-mail Address (s): chairman.sspe@pu.edu.pk

○ **Undergraduate and Post Graduate Programmes**

The BS (4 years) degree program in Physical Education was introduced in Pakistan in 2013 and spread over eight semesters. The department has an elaborate M.Sc Program for the external BA/BSc (2 years) students coming from various colleges. The department is accommodating the BA/BSc (2 Year) students from all over Pakistan on merit and reserve seats.

○ **MS and PhD Programmes**

M. Phil Leading to Ph.D old scheme program is running in Department

DEPARTMENT OF ZOOLOGY

Telephone (s): +92-42-99231246

Fax Number (s): +92-42-99231246

E-mail Address (s): zoology.department.pu@gmail.com

○ **Undergraduate and Postgraduate Programmes**

The B.S. (4 year) degree program in Zoology was introduced under the instructions of Higher Education Commission in Pakistan in 2005 and spread over eight semesters. Each semester



is of 18-weeks duration which includes 17 weeks for teaching and 1-week to conduct examinations. A minimum of 130 credit hours are required to obtain the above degree with in 8 semesters duration. The department has an elaborate M.Sc. Program for the external B.Sc. (2 year) students coming from various colleges. The department is accommodating the B.Sc. (2 year) students from all over Pakistan since decades on merit and reserve seats.

○ **MS and PhD Programmes**

- The MS/M.Phil (Morning Program). is of 2-years duration (30 credit hours) spread over four semesters. The admission of these classes generally, made only twice in a academic year. The program involves 24 credit hour course work and 6 credit hours thesis (Research work). The course work is completed during first two semester (12 credit hours/semester) and 6 credit hours research work spread over next 2 semesters. Following advertisement by the University, "Entry Test" is arranged by the Department. A candidate must obtain 50% marks to qualify the entry test. Equal numbers of applicants are admitted for MS and M.Phil. program on merit as per HEC guide lines. MS and M.Phil Self-Supporting (Evening) program has been also launched academic session 2014-16. M.Phil Zoology for Professional (In-Service Program) has been started for the academic year 2015.
- The Department of Zoology stands amongst those departments / institutes of the University of the Punjab, which have been producing maximum number of Ph.Ds. One hundred sixty eight (168) Ph.D. degrees have been awarded by this Department upto December 2016. Since 2001 Higher Education Commission (HEC) -approved regular Ph.D. Program has been started which has replaced the previous program. The theses are evaluated by experts from technologically advanced countries for the award of degree. Following registration, by the Board of Advanced Studies and Research of the University the scholars carry out research under the supervision of their respective supervisors. The candidates may conduct their research work in laboratories of other research development organizations. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examination before commencement of Ph.D. research project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years. Subsequently the candidates present themselves for public defense and finally the viva voce is conducted in the presence of internal (supervisor) and external examiners. The successful candidates are then notified by the University.

○ **Academic Achievements**

- The Department produced 08 Ph.Ds and 58 MS/M.Phil students during the academic year 2016-17.

○ **Foreign Academic Linkages**

- Dr. Javed Iqbal Qazi
 - The Ohio State University. USA
 - School of Agriculture and Food Science, Australia



- Prof. Dr. Muhammad Naeem Khan
 - American Fisheries Society, USA
 - World Aquaculture Society, Australia
 - Nor Fishing Foundation, Trondheim, Norway.
 - FAO, Rome, Italy.
 - Michigan State University, USA.
 - An academic and research linkage in the field of Physics between the University of California, Berkeley, USA and Lawrence Berkeley Laboratory, USA
- Dr. Zulfiqar Ali
 - Transnational Education INSPIRE Programme with UK
 - Chinese Academy of Sciences Link with Institute of Mountain Hazards and Environment (IMHE)
- Dr. Najma Shaheen
 - Prof. Dr. Michael Hess., Clinic for Avian, Reptile and Fish Medicine, University of Veterinary Medicine, Vienna. Austria. michael.hess@vu-wien
- Dr. Nadeem Sheikh
 - Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.
 - Local Coordinator in Pakistan for EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.
 - Local Coordinator in Pakistan for EXPERTS III, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.
- **Honors and Awards**
 - Prof. Dr. Javed Iqbal Qazi
 - Awarded research productivity 2017
 - Awarded Performance Evaluation in 2017
 - Incentive award
 - Prof. Dr. Muhammad Naeem Khan
 - Recipient, American Fisheries Society (AFS) International Professional Travel Grant, Western Division, WDAFS Conference, Missoula, Montana, USA, May 22-26, 2017
 - Recipient American Fisheries Society (AFS) International Professional Travel Grant, Western Division, WDAFS Conference, Reno, Nevada, USA, March 21-24, 2016.
 - Recipient of Erasmus Mundus LEADER Academic Staff Exchange & Visiting Professor Fellowship, September 1, 2016 to December 31, 2016, University of Crete, Heraklion, Crete, Greece.



- Recipient of Erasmus Mundus EXPERTS SUSTAIN Post-Doc Fellowship, September 15, 2015 to March 15, 2016, University of Zagreb, Croatia.
- Visiting Guest Professor, University of South Bohemia in Ceske Budejovice, Czech Republic, February, 2016.
- Visiting Guest Professor, NARIC-Research Institute for Fisheries & Aquaculture (HAKI), Szarvas, Hungary, January, 2016.
- Dr. Zafar Iqbal
 - Awarded research incentive 2017
 - Awarded Performance Evaluation in 2017
- Dr. Nabila Roohi
 - Research Productivity Award, Pakistan Council for Science and Technology, 2016
 - Incentive Award, University of the Punjab, 2017
 - Performance Evaluation Award, University of the Punjab, 2016-17
 - Member Board of Studies, Active Member, The Endocrine Society, 8401 Connecticut Avenue, Suite 900, Chevy Chase, Maryland, USA, December 2010 to present
 - Member, International Society of Zoological Sciences, Datun Road, Beijing, China, April 2010 to present
 - Member, Pakistan Society for the Advancement of Science, 1995 to present
 - Member, Faculty Board of Life Sciences, University of the Punjab, 2005 to present
 - Fellow, Zoological Society of Pakistan, 1992 to present
 - Member, Pakistan Society of Biochemistry and Molecular Biology, 1994 to present
 - Harbour Services Fellow of the PEP Foundation, 1997 to present
 - Member, All Pakistan Women Association (APWA), 2000 to present
 - Member, Curriculum Review Committee, Department of Zoology, Feb 2001 to present
 - Member, Admission Committee, Department of Zoology, Feb 2001 to present
 - Member, Examination Committee, Department of Zoology, Feb 2001 to present
 - Member, Purchase Committee, Department of Zoology, Feb 2001 to present
 - Member, Maintenance Committee, Department of Zoology, 2004 to present
- Dr. Abida Butt
 - Research Productivity Award, Pakistan Council for Science and Technology, 2016
 - Incentive Award, University of the Punjab, 2015-2016
 - Performance Evaluation Award, University of the Punjab, 2015-2016
 - Advance increment at joining of Assistant professor on BPS and TTS
 - Co-Chair sessions in Pakistan congress of Zoology



- Dr. Farah Rauf Shakoori
 - Co-Chaired Session in “International conference on New Trends In Natural Sciences: From Basics to Applied” Jointly organized by Department of Biotechnology and Department of Zoology, Lahore, College Women University (LCWU) 25thOctober – 27th October (2017) .
 - Establishment of Technology & Innovation Support Center (TISC) Network in Pakistan, signing ceremony of Institutional Agreement among intellectual Property Organization of Pakistan, Higher Education Commission of Pakistan and Host Institutions for establishment of TISCs. 12th December, 2017.
- Dr. Zulfiqar Ali
 - Awarded research productivity 2017
 - Awarded Performance Evaluation in 2017
 - Member of Thesis & Synopsis Evaluation Committee UVAS
 - Fellow of Zoological Society of London, UK Fellow of Linnaean Society of London, UK
 - Member British Ecology Society, UK
 - Member of Society of Wetlands Scientist, USA.
 - Member of British Natural History Museum, UK.
 - Fellow of Zoological Society of Pakistan.
 - Fellow of Biological Society of Pakistan.
 - Member Ornithological Society of Pakistan.
 - Member of Parasitological Society of Pakistan.
 - Member of Society for Ecological Restoration International, USA.
 - Member of Zoo Outreach Organization, India.
 - Member of CBSG.
 - Member of WWF-Pakistan.
 - Member and Contributor of Data in Wetlands International Reports since 1992.
- Dr. Najma Shaheen
 - Member of Board of Faculty of Life Science, PU Lahor
 - Member DDPC Zoology
 - Teaching of Genetics and Biostatistics for M.Sc Part-I
 - Teaching of Applied Microbiology to M.Sc part-II
 - Teaching Bacteriology and Applied Microbiology to BS 6th & 7th Semesters respectively
 - Research guidance to BS, M.Sc, MS/M.Phil and Ph.D students
 - Member Annual Sport Committee
 - Paper Setter hematology (University of Sargodha)
 - Examiner M.Phil thesis (UVAS, LCWU, UoS)
 - Examiner Genetics and Biostatistics, UoS, Sargodha



- Dr. Nadeem Sheikh
 - Scholarship Coordinator, Department of Zoology, University of the Punjab, Lahore.
 - Head Examiner for the Zoology Paper “C” (B.Sc.) 2013-onwards.
 - Local Coordinator of EU project (EXPERTS II, and EXPERTS III).
 - Member Board of Studies in Zoology Kinnaird College for Women Lahore.
 - Member M.S./M. Phil admission committee 2017.
 - Member Admission Committee for M.Sc. 2017.
 - Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.
 - Examiner for B.Sc., M.Sc. Practical Examination.
 - Research Productivity award for the year 2017
- Dr. Abdul Majid Khan
 - Coordinator M.Phil/Ph.D (Inservice Program)
 - Member Punjab University Journal of Zoology
 - Reviewer Journal of Animal and Plant Sciences
 - Member fish feed procurement committee, fish research farm University of the Punjab Lahore
 - Member of Admission Committees for M.Sc, Ph.D Admission/Interview Committee
- Dr. Muhammad Akbar Khan
 - Award of Performance based on increment + honorarium
 - Research productivity award from Pakistan Council of Science & Technology for the year 2016-16
 - Certificate of excellence for the establishment of Dr. Abu Bakr Fossil Display & Research Centre, Zoology Department, University of the Punjab, Lahore
- Dr. Chaman Ara
 - Admission Committee, Ph.D, MS/M.Phil classes, Zoology University of the Punjab Lahore.
 - Examination Committee, B.Sc. Zoology, University of the Punjab, Lahore.
 - Examination Committee, M.Sc. Zoology, University of the Punjab, Lahore.
 - Examiner/Paper setter University of Education Lahore.
 - Incharge Hostel Affairs in University of the Punjab, Lahore. 6. Sports committee zoology department, PU, Lahore.
- Dr. Hafiz Abdullah Shakir
 - Member, Departmental Committee for Dengue Eradication/Awareness
 - Member, MS/M.Phil. (Regular) admission Committee (Session 2015-onward)
 - Incharge, Department Admission Desk-2014 Member, BS (Session 2014-18)
 - Admission Committee Member, Ph.D. (Regular) admission Committee (Session 2014-onward) Member, University of the Punjab Monitoring Team-06 for B.Ed examination A/2014.



- Member, University of the Punjab Monitoring Team-10 for M.A/M.Sc./B.Com examination-A/2014 Member, old Ph.D. Scheme admission Committee (Session 2014-onward)
 - Member, BS (Session 2013-17) Admission Committee Incharge, Admission Desk-2013
 - Member, Zoological Society of Pakistan
 - Member, Fisheries Society of Pakistan
- **Institutional Linkages**
- Prof. Dr. Javed Iqbal Qazi
 - PCSIR Laboratories, Lahore
 - Punjab Fisheries & Wildlife Department
 - Regarding the research collaboration, external examination and publications, the department has developed strong linkages with other institution in the country such as NIBGE, PCSIR, INMOL, Shaukat Khanum and P.S.F.
 - Prof. Dr. Muhammad Naeem Khan
 - Punjab Fisheries & Wildlife Department
 - An academic and research linkage in the field of Physics between the University of California, Berkeley, USA and Lawrence Berkeley Laboratory, USA
 - Dr. Zafar Iqbal
 - Fisheries Research and Training Institute, Lahore
 - Department of Fisheries and Fresh Water Biology University of Sindh Jamshoro,
 - Department of Zoology, Jinnah University for Women Karachi
 - Dr. Nabila Roohi
 - Prof. Dr. Janet L. Stein, Department of Biochemistry, University of Vermont, Vermont. USA.
 - Prof. Dr. Andre van Wijnen Department of Orthopedic Surgery & Biochemistry& Molecular Biology Mayo Clinic Florida USA.
 - Institute of Nuclear Medicine and Oncology, Lahore (INMOL)
 - University of Veterinary and Animal Sciences (UVAS), Lahore Campus
 - University of Veterinary and Animal Sciences (UVAS), Pattoki Campus
 - Dr. Farah Rauf Shakoori
 - Collaboration with school of Biological Science Sciences University of the Punjab Lahore.
 - Collaboration with Government College University Lahore.
 - Collaboration with Lahore College for women University Lahore.
 - Dr. Zulfiqar Ali
 - Department of Microbiology and Molecular Genetics PU, Lahore
 - Lahore Zoo
 - Dr. Najma Shaheen
 - University of Veterinary & Animal Sciences, Lahore
 - Lahore College for Women University Lahore



- Dr. Nadeem Sheikh
- Collaboration with MOU with Georg-August University, Goettingen, Germany.
 - Collaboration with the University of Lahore for research project.
 - Collaboration with Institute of Nuclear Medicine and Oncology Lahore.
 - Collaboration with LCWU, Lahore
 - Collaboration with PCSIR laboratories Lahore.
- Dr. Abdul Majid Khan
 - Bio-resource Research Centre Islamabad
 - Punjab Fisheries Department
- Dr. Muhammad Akbar Khan
 - Dr. George Iliopoulos (University of Patras, Greece) for 'Erasmus + International Credit Mobility KA 107'.
 - Dr. Lawrence John Flynn (Peabody Museum of Archaeology and Ethnology. Harvard University, Cambridge, MA 02138, USA).
 - Dr. Abdul Ghaffar (Department of Meteorology, COMSATS Institute of Information Technology, Islamabad, Pakistan).
 - Dr. Zaheer Ahmad (Department of Zoology, GC University Faisalabad, Pakistan).
 - Dr. Arifa Batool (Wildlife & Fisheries and Zoology Department, GC University Faisalabad).

INSTITUTE OF AGRICULTURAL SCIENCES

Telephone (s): +92-42-99231846-47

Fax Number (s): +92-42-99231187

E-mail Address (s): director.iags@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - BS (Hons.)
 - Majors:
 - Plant Pathology
 - Horticulture
 - Food Technology
 - Entomology
- **MS and PhD Programmes**
 - M.Sc. (Hons.)
 - Majors:
 - Plant Pathology
 - Food Technology
 - Horticulture
 - Entomology
 - Ph.D. Agricultural Sciences



○ **Academic Achievements**

Imparting quality education and development of culture for advanced research are the primary foci of the Institute of Agricultural Sciences (IAGS). Four regular batches of BS (Hons.), four of M.Sc. (Hons.), and eight of Ph.D. are in progress. During the report period 163 students to BS (Hons.), 70 to M.Sc. (Hons.) and 04 to Ph.D. program were admitted. Since the establishment of the institute, Eleven batches of BS (Hons.) 4-year program and Eleven batches of M.Sc. (Hons.) programs have passed out. In the area of teaching, attention is being focused on concept building. This goal is achieved by observing the curriculum developed by HEC to meet the national needs. Quality enhancement is addressed on the guideline proposed by HEC and PU faculty assessment ariterions. The guidelines are based on credit hour allocation, infrastructure development, student-teacher relationship and involvement of parents in class performance of students. The Module understandings accelerated by utilizing the tools of teaching, tutorials, quizzes and presentations are regular features. Research activities are of academic, applied and adaptive nature. Research projects assigned to Ph.D. students are oriented to cover these aspects. Faculty members have won several research projects with funding from Punjab University and other well reputed local and international organizations. The Institute is also playing a vital role in human resource development in education and farm resource capacity enhancement.

The institute is playing a significant role in dissemination of scientific information by publishing a biannual scientific journal "*Mycopath*" and a quarterly newsletter '*Agricultural News*'. Seminars, invited lectures from nationally and internationally reputed scientists are regular features of the activities. To inculcate healthy activity of mind and spirit students are involved in various academic & extracurricular committees, and are strongly encouraged to join scientific societies.

- During this period 113 books, 15 research journals, 10 newsletters, 143 reports and 43 theses were added in the library of the institute. The First Fungal Culture Bank of Pakistan has isolated, purified and conserved 72 fungal and 50 bacterial species that were added to conservatory during the report period. Herbal Heritage Centre after standardizing techniques of *Aloe vera* gel and essential oils production at lab scale has acquired locally fabricated pilot plants for commercial production of both.

○ **Foreign Academic Linkages**

- Punjab University – PARB – University of Toronto, Canada
- Punjab University – ICARDA – USDA, University of Arizona, USA

○ **Honours and Awards**

- Dr. M. Saleem Haider, Professor & 'Director
Performance award received in 2016 from the University of the Punjab.



- Dr. Arshad Javaid, Associate Professor
Performance based increment and honourarium by Punjab University received in 2016.
- Dr. Tehmina Anjum, Assistant Professor
Research productivity award (Pakistan Council for Science and Technology) for the year 2016
- Dr. Amna Shoaib, Assistant Professor
Honourarium and Awarded performance based increment in 2015.
- Dr. Uzma Bashir, Assistant Professor
Awarded performance based increment in 2015.
- Dr. Shazia Shafique, Assistant Professor
Performance based increment for 2015.
- Dr. Muhammad Nasir Subhani, Assistant Professor
Research incentive award received in 2016 from the University of the Punjab
- Dr. Naureen Akhtar, Assistant Professor
 - Selected as Outstanding Early Career Scientist to present paper at the New York Academy of Sciences (NYAS), 14th December 2015, New York, USA. NYAS provided USD 2500 as grant for this trip.
 - Performance based salary increment and honorarium award for the years 2015 by University of the Punjab, Pakistan
- Dr. Nasir Ahmad, Assistant Professor
Won Technology Award in 5th Invention to Innovation Summit 2016 held at University of the Punjab, Lahore on March 2-3, 2016
- Dr. Muhammad Ali, Assistant Professor
Awarded performance based increment in 2016.
- Dr. Hafiz Azhar Ali Khan, Assistant Professor
 - Best Research Paper award 2016, by the Higher Education Commission (HEC), Pakistan
 - Research Productivity Award (RPA) 2015-16 , 2016-17, by the Pakistan Council for Science and Technology (PCST)
 - Performance evaluation award received in 2015-16 & 2016-17 from the University of the Punjab.
- Dr. Sobiya Shafique, Assistant Professor
Incentive award on publications for the year 2015 by University of the Punjab, Pakistan.
- Dr. Muhammad Shafiq, Assistant Professor
Awarded performance based increment in 2015.
- Dr. Sajid Ali, Assistant Professor
Research Incentive award received in 2015 from the University of the Punjab.



- Dr. Waheed Anwar

Awarded IRSIP fellowship for 6 month from Higher Education Commission in 2015.

- **Institutional Linkages**

The Institute of Agricultural Sciences has linkages with the following institutions and BS (Hons.) students are sent every year to these institutions for their internship program:

- Pakistan Council for Scientific & Industrial Research (PCSIR) Ferozepur Road, Lahore.
- Center of Excellence in Molecular Biology, Punjab University, Lahore.
- Parks & Horticulture Authority, Lahore
- School of Biological Sciences, Punjab University, Lahore
- FBRC, PCSIR, Lahore
- Federal Seed Certification and registration department (FSCRD)
- Soil Fertility Lab., Thokar Niaz Baig, Lahore
- Land Reclamation Department, Lahore
- Cotton Research Institute, Vehari
- Cotton Research Institute, Multan
- Central Cotton Research Institute, Multan
- M/s Four Brothers, Lahore
- M/s Auriga Chemicals, Lahore
- Agricultural Engineering Workshop, Thokar Niaz, Baig, Lahore
- Punjab Ecotoxicology Lab., Kala Shah Kaku, Lahore
- Rice Research Institute, Kala Shah Kaku, Lahore
- NARC, Islamabad
- Adaptive Research Farm, Sheikhupura
- Adaptive Research Farm, Gujranwala
- Soil Salinity Research Institute (SSRI) Pindi Bhatian
- PARC, Islamabad
- College of earth and environmental sciences, University of the Punjab, Lahore
- Pakistan Council for Scientific and Industrial Research
- School of Biological Sciences, University of the Punjab
- University of Veterinary and Animal Sciences, Lahore.
- Pakistan Council for Scientific and Industrial Research
- School of Biological Sciences, University of the Punjab
- University of Veterinary and Animal Sciences, Lahore.
- Engro Foods (Pvt) Ltd. Sahiwal
- Innovative Biscuits (Pvt) Ltd. Lahore
- JB Foods (Pvt) Ltd. Lahore
- Metro-Habib Cash & Carry, Lahore
- Premier Dairies (Pvt) Ltd. Lahore
- Qarshi Industries (Pvt) Ltd. Hattar, Haripur.



- Rafhan Maize Products (Pvt) Ltd. Faisalabad
- Asian Foods (Mayfair) Pvt Ltd. Lahore
- Bunny's (Pvt) Ltd. Lahore
- Cakes and Bakes (Pvt) Ltd. Lahore
- Dawn bread (Pvt) Ltd. Lahore
- United Snacks (Pvt) Ltd. Lahore
- Mitchell's Fruit Farms, Renalla Khurd, District Okara
- Nestle Pakistan, Sheikhpura
- PEPSI Cola (Pvt) Ltd. Lahore
- Coca Cola Beverage Pakistan, Lahore
- Pakistan Standards and Quality Control Authority (PSQCA)
- Veterinary Research Institute Lahore
- Nuclear Institute for Agriculture and Biology, Faisal Abad.
- Directorate of pest Warning and Quality Control of Pesticides, Punjab
- Citrus Research Institute Sargodha
- Parks & Horticulture Authority, Lahore
- Computational Biology group School of Sciences and engineering LUMS Lahore
- Training international Lahore

INSTITUTE OF APPLIED PSYCHOLOGY

Telephone (s): +92-42-99231235, 042-99231245

E-mail Address (s): info.appsy@pu.edu.pk, chairperson@appsy.pu.edu.pk

○ **Undergraduate and Postgraduate Programs**

Institute of Applied Psychology is running Undergraduate BS (4-Years) Applied Psychology (Morning and Replica) and M.Sc Applied Psychology (Morning and Replica) Programs. Admissions of these programs are held annually during the month of September/ October (as per University schedule). There are 44 seats for BS (4-Years) Morning program, 38 seats for BS (4-Years) Replica program, 50 seats each in M.Sc. Morning and Replica Programs including reserve seats as per University Admission Regulation Book. These programs are being run under semester system.

○ **MS and PhD Programs**

Institute is also offering full time M.Phil Applied Psychology, MS Health Psychology and Ph.D Applied Psychology Programs. Admissions of these programs are held during the month of September/October (as per University schedule). There are 20 seats each for M.Phil Applied Psychology and MS Health Psychology Programs, and 10 seats for Ph.D Applied Psychology.

○ **Academic Achievements**

Institute of Applied Psychology has produced 31 BS, 73 M.Sc under (Morning & Replica) Programs, 18 M.Phil/MS and 02 PhDs. The admissions were held as per schedule notified by the University and the Institute after completing admission procedure strictly followed the merit and admitted 43 students in BS (Semester-I) Morning Program, 38 students in BS



(Semester-I) Replica Program, 46 students in M.Sc (Semester-I) Morning Program, 50 students in M.Sc (Semester-I) Replica Program, 20 students in M.Phil Applied Psychology Program, 08 students in MS Health Psychology Program and 06 PhD students.

Moreover, the Institute of Applied Psychology has always been an ardent facilitator in providing its students with the opportunities for arranging academic and co-curricular activities which enhance their personal and professional skills. The conference, workshop, seminar, special lectures were conducted to provide ample opportunities to its students to gain practical knowledge and management experience.

- Workshop on Neuropsychology

Dr. Iram Fatima MPhil Coordinator arranged a workshop on Neuropsychology for the students of MPhil, MS and Ph.D at the Institute of Applied Psychology on 15th to 16th March, 2016. The resource person was Prof. Dr. Najma Najam, Professor Emeritus at Institute of Applied Psychology. She elaborated the functions of brain in context of psychology which proved to be highly beneficial for the students also highlighting various aspects of critical thinking.

- Extension Lecture on Scope of Industrial/Organizational Psychology in Pakistan

Dr. Saima Ghazal arranged a lecture on scope of Industrial/Organizational Psychology for the students of BS and MSc Organizational Psychology at the Institute of Applied Psychology on September 8th, 2016. The resource person was Mr. Qaiser Abbas, a motivational speaker and trainer in Organizational Psychology. He competently explained the core concepts in an interactive and practical manner. This lecture served to enhance the student's understanding of the techniques which were pronounced to be a fundamental component of every leader.

- Workshop on Structural Equation Modeling (SEM)

A three days' workshop on SEM was organized for MPhil, MS Health and PhD Scholars from 7th to 9th February, 2017. Dr. Jamil Malik, Quaid-e-Azam University, Islamabad was the resource person. It mainly particularized on the differences between quantitative researches, methods of data collection and analysis of data. The workshop further dwelled into techniques that can be used to establish validity and reliability of quantitative research. It was beneficial for the attendees as it elaborated analysis required for advanced researches.

- Extension Lecture on Hope, Inspiration and Character Insights from Literature

On 10th February 2016, Dr. Naumana Amjad arranged a workshop on "Hope, Inspiration and Character Insights from Literature" for the students of MSc (Morning & Replica) and BS. The lecture was conducted by Dr. Shahab Yar Khan, Professor and Scholar from Bosnia. After an interactive discussion on the topic, she closed the talk by taking queries from the students.



- Workshop on Positive Psychology

A workshop on positive psychology was conducted on 2nd May, 2017 titled as 'Positive Psychology: The wonders it can do', for the students of MSc and BS. It was arranged by Dr. Naumana Amjad. The resource person was Mr. Khubaib Khayani, alumni of Institute of Applied Psychology and a motivational speaker.

- (One Day Symposium) Psychology for Change: Women and Community

In connection with International Women's Day celebrations across globe, Institute of Applied Psychology (IAP) organized a one day symposium entitled "Psychology for Change: Women and Community" on 21st March, 2017 at Al-Razi Hall, University of the Punjab (PU), Lahore. The inaugural session started with an address of the Director, Institute of Applied Psychology (IAP) University of the Punjab, who welcomed the worthy guests and dignitaries.

- Lastly, the guest of honor, Begum Zakia Shah Nawaz, Minister for Population and Environment, Government of the Punjab addressed the audience and highlighted the contributions of women in every sphere of Pakistani society. A symposium presentation session commenced chaired by Prof. Dr. Ruhi Khalid, Director Institute of Psychology, Beaconhouse National University Lahore followed by a panel discussion which explored the theme of this symposium in great detail chaired by Prof. Dr. Rafia Hassan, a renowned psychologist. The panel comprised of several eminent women from diverse fields of society including, banking sector, sports, academics, social activism etc. The event formally ended with vote of thanks and certificates were awarded.

- Co-Curricular Activities

- Iqbal Day Celebrations

On 9th November, 2016, Iqbal Day was celebrated in the Institute of Applied Psychology. The program started with the recitation of Holy Quran, and then to raise importance about the saying of the great philosopher a Kalam-e-Iqbal singing competition was held. Various debates enlightened the students regarding the application of Allama Iqbal philosophies on today's world. The then Director, Prof. Dr. Rukhsana Kausar also highlighted the need of such events and encouraged students to be the "Shaheen" that Iqbal emphasized on. The event ended with the prize distribution ceremony.

- Annual Mehfil-e-Milad

Annual Mehfil-e-milad was held at the IAP on December 12th, 2016 to observe the auspicious event of 12th Rabi-ul Awwal. The event started with *Quran khawani* and proceeded by *Naat khawanai* offered in the honor of Prophet Muhammad (P.B.U.H). Students, faculty and staff members participated in event with religious passion and zeal to celebrate and honor the birth of Prophet Muhammad (Peace be Upon Him). The event marked its end with a collective Dua ceremony after which *tabaruk* (sweets) were distributed among everyone in attendance.



- One Day Study Tour of All Programs to Islamabad, 2017

On Saturday, 11th February 2017 Institute of Applied Psychology arranged a one day trip to Islamabad. 5 buses accommodating more than 300 students set off at 6.30 am under the supervision of Prof. Dr. Farah Malik, Dr. Naumana Amjad, Ms. Zaeema Farooq, Ms. Shahnaila Tariq and Dr. Irum Fatima.

- Annual Sports Gala 2017

Institute of Applied Psychology, University of Punjab celebrated Annual Sports Gala on 17th March 2017 with full zeal and zest. Prof Dr. Farah Malik, Director of IAP and CCP inaugurated the Sports Day along with Chief Guest Ms. Shamsa Hashmi, Director, Sports Department Punjab University, IAP by cutting ribbon and releasing lanterns in the air. The Director, IAP formally addressed the audience by welcoming the chief guest and highlighted the importance of sports in building mental health of students. The celebrations continued with different sports, starting with races including 100 meter race, spoon race, three leg race, back race. The sports gala ended with tug of war between various classes, prize distribution ceremony and vote of thanks from Prof. Dr. Farah Malik appreciating the efforts of organizing committee and students for their active participation, cohesion, harmony and spirit throughout the day.

- Cultural Day Celebration

On May 3rd & 4th 2017, the students of BS-IV (Morning and Replica) celebrated cultural days as part of curriculum of Cross-cultural Psychology, under the supervision of Ms. Zaeema Farooq and Mr. Safi Aslam. Students were dressed as depicting various cultures of Pakistan and prepared stalls to show the major customs of these cultures. Prof. Dr. Farah Malik, faculty members and students appreciated the efforts of the students to revive the roots of the nation.

- Peace Day Celebration

The students of outgoing batches BS VIII and MSc-IV celebrated peace day on May 4th, 2017. Students were dressed in white and placed light colored charts outside the department. Prof. Dr. Farah Malik and faculty members were invited to write quotations regarding peace. The worthy Director highlighted the importance of peace keeping and congratulated concerned faculty members and students for arranging an important event.

- Outgoing Batch's Theme Week

To make the final weeks at the IAP memorable, the senior batch (MSc Morning, Replica and BS) organized a theme week from the 2nd to 5th May, 2017 under the auspices of the Director, Prof. Dr. Farah Malik. From the traditionally garbed students at the Cultural Day to the dangerous dacoits at Daaku Day, and finally the comically dressed *paindoos* at Paindo Day, it was a highly enjoyable and cherished event. All the final year students were in their element portraying the various themes. Those joyous moments were captured and will be treasured.



- **Five Days Study Tour**

A long tour to Kaghan and Naraan was arranged by the Institute of Applied Psychology in the month of August, 2017, in the supervision of Dr. Shazia Khalid and Ms. Zaeema Farooq. About 80 students set off in three buses for the tour.

- **Foreign Academic Linkages**

The Institute has foreign academic linkage with:

- St. Andrew's University, Scotland, UK.
- International Council of Professional Therapists (UK).
- Children and War Foundation, Bergen, Norway.

- **Honors and Awards**

- Prof. A.H. Alawi Gold Medal for the topper of MSc Applied Psychology Studying at the Institute of Applied Psychology, University of the Punjab was instituted for the first time. The first gold medal was awarded to Ms. Shazza Shazdey Raheem on securing First Position in M.Sc Applied Psychology among students of Institute of Applied Psychology, Examination session 2013-2015.
- Syed Musa Kazim from M. Phil participated in Bait Baazi at Bazm-e-Tariq Aziz (PTV HOME) and won first position. He also won All Pakistan Youth Carnival at Institute of Space and Technology Islamabad. In addition to this he won Crime Investigation All Pakistan Urdu Poetry Competition held at Fatima Jinnah Medical University Lahore. He also secured first position in Bait-Baazi BOL'17 at UET Faisalabad.
- Zakariya Hashimi of BS VIII worked with PTV as a program coordinator. He has been working as an actor for Pioneers Dramatic Society of University of the Punjab. In addition to this, he has worked as the director and writer of a 'Makhoty" a play shown in Faisal Auditorium of Punjab University. Institute of Applied Psychology is very proud to have such creative all-rounders as its students.
- Sumaira Inayat of BS VI is a student at IAP on the basis of sports. She represented Pakistan in UAE Games held in Dubai 2016. In addition to this, she has won a brand ambassador award from express education and career expo.
- Student of IAP, Maria Salim and Shazia Nazir of BS VIII (Replica) actively participated in poster completion held in university of central Punjab (UCP) on 25th November, 2016. The theme of competition was Taboos Defacing Gender.
- On 30th November, 2016 Mehak Azam from BS VI secured first position in interdepartmental Kalam-e-Iqbal singing competition held at Faisal Auditorium and was awarded with a certificate and cash prize by Directorate of Student Affairs, University of the Punjab. She also secured first position in inter-departmental Naat competition held at Al-Raazi Hall on 16th February, 2017. Moreover, she secured second position in Inter-departmental Bilingual Declamation Contest. She also participated in Inter-departmental Arifana Sufiayana Kalaam Competition and secured third position.



- Sabina Shahzadi of MSc II (Replica) participated in Iqbal Kalam Competition held at Faisal Auditorium on 30th November, 2016 and won first position in University of the Punjab.
- Fizza Batool of MSc IV participated in a Seerat Speech Competition held in Department of Islamic studies in December 2016. She attained first position in the competition. In addition to this she also participated in Kalam-e-Iqbal at IAP and was much appreciated for her effort.
- Students from MPhil, MS, MSc and BS participated in a poster competition with the theme of health psychology held at Government College University on 24th April, 2017. They won the second position. Institute of Applied Psychology is truly proud of its students.
- Ali Hassan Rizvi of BS IV is a writer, and a poet. He participated in an open mic event 'OLOBOLO' on 6th May 2017. Ali recited his poetry at the event and was much appreciated by the audience.

○ **Institutional Linkages**

The Institute has linkages with different external bodies in order to share resources and provide practical training and placements to its graduating students.

- Child Protection and Welfare Bureau, Lahore
- Services Hospital, Lahore
- Mayo Hospital, Lahore
- Ganga Ram Hospital, Lahore
- Surgical Unit-II, Jinnah Hospital, Lahore
- Fountain House, Lahore
- Punjab Institute of Mental Health, Lahore
- National Society For Mentally And Emotionally, Handicapped Children Lahore
- Shaikh Zayed Hospital, Lahore.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Telephone (s): +92-42-99230355

Fax Number (s): +92-42-99230242

E-mail Address (s): director.ibb@pu.edu.pk, information.ibb@pu.edu.pk

○ **Undergraduate and Postgraduate Programs**

The Institute offers 4 years BS Biochemistry/Biotechnology and two years M. Sc. Biochemistry/Biotechnology degree programs at undergraduate and postgraduate level. The overall strength of students enrolled during the academic session 2016-17 346 students in BS Biochemistry/ BS Biotechnology and M. Sc. Biochemistry/ M. Sc. Biotechnology 2016-17 70 students).



○ **MS and PhD Programs**

The Institute offers two years MS Biochemistry/ Biotechnology degree programs that semester system bases and 3-5 years Ph.D. degree. During the academic session 2016-17, the number of students was admitted in MS Biochemistry/MS Biotechnology degree program is 30 students.

Following students are pursuing Ph.D. Studies at the Institute:

Mr. M. Mudassir Iqbal	Mr. Muhamamd Ibrahim	Ms. Naila Tariq
Ms. Samia Shahid	Ms. Sarosh Malik	Ms. Nida Asghar
Mr. Yasir Sharif	Mr. Naveed Hussain	Ms. Sayra Tariq
Ms. Sumaira Pervaiz	Ms. Aysha Shaukat	Mr. Usman Ahmad
Ms. Jawaria Shaheen	Mr. Rizwan Abid	Mr. Hafiz Muzzammel Rehman
Mr. M. Shahbaz Aslam	Mr. Kashif Iqbal	Mr. Muhammad Tahir Nazir
Mr. M. Asif Shahab	Ms. Zunaira Riaz	Mr. Iqra Farooq
Ms. Zahida Parveen	Ms. Amna Mahmood	Ms. Gulnaz Parvaiz
Ms. Iram Gull	Ms. Ubaida Hussain	Ms. Sahar Tariq
Ms. Saba Ghazanfar	Ms. Safia Firdous	Mr. Hammad Arshad
Ms. Hira Batool	Ms. Qurat ul Ain Shafiq	Ms. Kiran Hanif
Ms. Sajida Rasool	Ms. Rani Sair a Saleem	Mr. Usman Akram
Ms. Madeeha Shahzad	Ms. Shama Akram	Mr. Rehman Shahzad
Ms. Maryam Yousaf	Ms. Tahira Batool	Ms. Amina Hussain
Ms. Abeer Abdul Khaliq Janjua	Ms. Sehrish Bilal	Ms. Sana Tahir
Ms. Beenish Maqsood	Ms. Ferhana Hussain	Ms. Aroosha Hussain
Ms. Afshan Iqbal	Mr. Usman Pasha	Ms. Faiza Masood
Mr. Tanveer Khalid	Ms. Mumayyiza Tahir	Ms. Syeda Saliah Hussain
Ms. Neelam Saba	Ms. Haseeb Nisar	Mr. Malik Siddique Mahmood
Ms. Madeeha Khalid	Ms. Asma Noreen	Ms. Faiza Inayat
Ms. Kiran Butt	Ms. Burarah Arooj	Ms. Fatima Khalid
Mr. Khuram Shehzad	Ms. Ammarah Fateen	Ms. Fariha Javaid
Ms. Hina Ejaz	Ms. Basirat Jabbar	Ms. Saba Iqbal
Ms. Anbreen Mazhar	Ms. Aqsa Tabassam	

○ **Academic Achievements**

- The Institute of Biochemistry and Biotechnology (IBB), established in 1996 with the aims to cultivate the students' knowledge and skills in biochemistry and biotechnology and to engage in relevant research in keeping with the university policy for the advancement of scientific research. Since the first academic session initiated in 1997 it has been providing a sound base of biochemistry and biotechnology. Alongside experience of the manipulative skills essential for future research, students are equipped for a career in this exciting discipline. During the last decade, the academic system and research capabilities have been greatly improved and the Institute enjoys a high reputation amongst the scientific and research organizations of the country
- The Institute has qualified and committed team of faculty members – one Professor, one Associate Professor, ten Assistant Professors, four Lecturers



- In order to augment and strengthen institutional research capacity and teaching standards the Institute is planning research and academic linkages with foreign universities and local industry sectors in the upcoming years.

SCHOOL OF BIOLOGICAL SCIENCES

Telephone (s): +92-42-99230960

Fax Number (s): +92-42-99230980

E-mail Address (s): info.sbs@pu.edu.pk

○ **MS and Ph.D. Programmes**

Presently, 145 scholars are working in the School for their Ph.D. and M.Phil. degrees. Most of the students admitted in 2003-2007 have obtained their Ph.D. degrees. The sixth batch students are fairly advanced in their research projects and are in different stages of compiling their data, write up of theses and giving final touches to their research work. The seventh batch scholars are fairly advanced in their research projects and are making satisfactory progress. The eighth batch have completed their prescribed course work and are in their initial stages of planning experiments and running pilot experiments. The Ph.D. students of the School have undertaken their mandatory Semester Examinations, Comprehensive Examinations and International GRE, which they have passed with excellent scores. SBS is the only institute in the university whose students regularly undertake international GRE in their respective subjects.

○ **Foreign Academic Linkages**

	Name of Researcher/ Sponsoring Agency	Title of research project with duration	Collaborating scientist/institution	Joint objectives
1.	Dr. Sadaf Naz USA, and Koshish Foundation Higher Education Commission	Genetics of recessively inherited stable or progressive hearing loss in Pakistan.	Dr. Thomas Friedman, NIDCA, NIH, USA	Identify genes involved in HL
2.	Dr. Sadaf Naz Higher Education Commission	Genetic analysis of disease causing genes for glaucoma in Pakistani population.	Dr. Rasheed Bashir, LCWU, Lahore	Identify genes involved in glaucoma

**CENTRE FOR APPLIED MOLECULAR BIOLOGY**

Telephone (s): +92-42-35293135-36

Fax Number (s): +92-42-35293148

E-mail Address (s): director.camb@pu.edu.pk

○ **MS and PhD Programmes**

CAMB has offered M.Phil and Ph.D programmes in Molecular Biology & Forensic Sciences

○ **Academic Achievements**

27 M.Phil students have been completed their M.Phil. 23 M.Phil and 15 Ph.D students are enrolled to pursue their degrees.

○ **Honours and Awards**

- Won two (2) Technology Awards in the “Invention to Innovation Summit 2016” organized by University of Engineering Technology, Peshawar on 16-17 November, 2016.
- Won two (2) Technology Awards in the 6th Inventions to Innovation Summit held at university of the Punjab Lahore on March 08-09, 2017.
- Won poster presentation award in the 6th Inventions to Innovation Summit held at university of the Punjab Lahore on March 08-09, 2017.
- One of our faculty member was invited as an expert speaker in the seminar on “Forensic DNA Typing: Role of Judiciary and Investigating Agencies” held at Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro on August 27, 2016 and he was awarded a LUMHS shield. The seminar was chaired by Honourable Mr. Justice Amir Hani Muslim (Honourable judge of Supreme Court of Pakistan).

○ **Institutional Linkages**

CAMB always gives importance to develop linkages with the other public and private institutions of the country. The centre is providing research platform to the students of various universities /organizations including

- University of Agriculture, Faisalabad.
- Hazara University, Mansehra
- Balochistan University of Information Technology, Engineering and Management Sciences (BUITEMS), Quetta
- International Centre for Chemical and Biological Sciences, University of Karachi, Karachi.
- Bahauddin Zakariya University, (Sub-Campus), Lahore
- University of Veterinary and Animal Science, Lahore
- Govt. College University, Lahore
- Sheikh Zayed Hospital Lahore
- University of Lahore, Lahore



Faculty of Oriental Learning

DEPARTMENT OF ARABIC

Telephone (s): +92-42-99233130, 99233116

Fax Number (s): +92-42-99233130

E-mail Address (s): chairman.arabic@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

Diploma in Arabic & M.A. Arabic programs are running in Arabic Department.

○ **MS and PhD Programmes**

M. Phil. and Ph. D. Arabic programs are running in Arabic Department.

○ **Academic Achievements**

Two M. A. students got 1st & Second positions in M. A. Arabic Part I, II and MA Arabic P-II

Twelve students did their research work and wrote M.A. theses. Eighteen M. Phil. Arabic students completed their research work and awarded degrees. Three Ph. D. Arabic students completed their research work and awarded degrees.

DEPARTMENT OF HINDI LANGUAGE

Telephone (s): +92-42-99211814

E-mail Address (s): chairperson.hindi@pu.edu.pk

There were 10 students enrolled in the Diploma in Hindi Language.

Diploma in Hindi Language.

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

Telephone (s): +92-42-99210835

Fax Number (s): +92-42-99210835

E-mail Address (s): chairman.dks@pu.edu.pk

○ **Undergraduate and Postgraduate Programs**

11 students are admitted in M.A Kashmiryat Part-I

03 students are admitted in M.Phil. Kashmiryat Part-I

○ **Academic Achievements**

One Day Tour to Mangla & Mirpur, Azad Kashmir.

○ **Foreign Academic Linkages**

▪ Department has Academic Collaboration and students exchange programs with under given Higher Education Organization.

- University of Srinagar, Jammu & Kashmir (Indian Held)
- Azad Jammu & Kashmir University, Muzaffarabad.
- Baba Badshah University Rajouri Jammu Kashmir. (Indian Held)



○ **Institutional Linkages**

- At National Level
 - Azad Jammu & Kashmir University, Muzaffarabad.
 - Kashmir Centre, Lahore.
- At International Level
 - University of Srinagar, Jammu & Kashmir (Indian Held)
 - Jammu & Kashmir, Cultural Academy, Srinagar. (Indian Held)
 - Baba Badshah University Rajouri Jammu Kashmir. (Indian Held)
- Exchanges and Resources Sharing Program/Forum of Resources Sharing
 - Jammu & Kashmir, Cultural Academy, Srinagar. (Indian Held)
 - University of Srinagar, Jammu & Kashmir (Indian Held) (Indian Held)
 - Baba Badshah University Rajouri Jammu Kashmir. (Indian Held)

DEPARTMENT OF PERSIAN

Telephone (s): +92-42-99210833

Fax Number (s): +92-42-99210833

E-mail Address (s): persian_dept@yahoo.com

○ **Undergraduate and Postgraduate Programs**

23 students are admitted in M.A Persian Part-I for the Year 2016

23 students are admitted in M.A Persian Part-I for the Year 2017

○ **M.Phil and Ph.D Programs**

30 students are admitted in M.Phil Persian (Fall Session) in 2016

18 students are admitted in M.Phil Persian (Fall Session) in 2017

15 Students are admitted in Ph.D Persian (Fall Session) in 2017

○ **Academic Achievements**

- The Department of Persian has organized Refresher Course for Teachers of Various Govt. Colleges (Male/Female) and the students of M.Phil/Ph.d, in which taught Faculty of Persian Department, Ex-Senior Professors and Iranian Teachers as well.
- The Department of Persian has organized a Workshop on Manuscripts at PU Main Library for Teachers of Various Govt. Colleges (Male/Female) and the students of M.Phil/Ph.d.
- Department of Persian has organized a Program "Language Policies from Colonial India to Post Colonial Situation. Lecturer Delivered Prof. Dr. Heinz Wessler, Apsa-laya University, Sweden.



○ **Foreign Academic Linkages**

Department has Academic Collaboration and Teacher students exchange programs with under given Higher Education Organization.

- Firdousi University, Mash, had, Iran
- Tehran University Tehran, Iran
- Tarbiat-e-Mударis University Tehran, Iran
- Centre of the Written Heritage, Tehran, Iran
- Persian Language Authority Tehran, Iran
- University of Payam e Noor, Iran
- Tajiksitan National University, Tajiksitan
- Imam Khomai International University, Qazvin, Iran

○ **Institutional Linkages**

- At National Level:
 - Iran Pakistan Institute of Persian Studies, Islamabad
 - Cultural Centre of Islamic Republic of Iran, Lahore
 - Department of Iqbal Studies, University of the Punjab, Lahore
 - Markaz e Majalis e Iqbal, Awan e Iqbal Authority, Lahore.
- **At International Level:**
 - Firdousi University, Mash, had, Iran
 - Tehran University Tehran, Iran
 - Tarbiat-e-Mударis University Tehran, Iran
 - Centre of the Written Heritage, Tehran, Iran
 - Persian Language Authority Tehran, Iran
 - University of Payam e Noor, Iran
 - Tajiksitan National University, Tajiksitan
- **Exchanges and Resources Sharing Program/Forum of Resources Sharing**
 - Ministry of Cultural and Higher Education, Tehran, Iran
 - Firdousi University, Mash, had, Iran
 - Tehran University Tehran, Iran
 - Tarbiat-e-Mударis University Tehran, Iran
 - Centre of the Written Heritage, Tehran, Iran
 - Persian Language Authority Tehran, Iran

DEPARTMENT OF PUNJABI

Telephone (s): +92-42-99210834

Fax Number (s): +92-42-99210834

E-mail Address (s): chairman.punjabi@pu.edu.pk

○ **Postgraduate Programs**

33 students were admitted in M.A Punjabi Part-I



- **M.Phil /Ph.D Programs**
5 Ph.D and 11 M.Phil Student were admitted
- **Academic Achievements**
 - Ph.D Degree award to 1 students
 - 13 students passed in M.Phil
 - 10 students passed in M.A Examinations

DEPARTMENT OF URDU

Telephone (s): +92-42-99210832
 Fax Number (s): +92-42-99210832
 E-mail Address (s): chairman.urdu@pu.edu.pk

- **Undergraduate and Postgraduate Programs**
65 students are admitted in M.A Urdu Part-I for the Year 2016
66 students are admitted in M.A Urdu Part-I for the Year 2017
- **MS and Ph.D Programs**
25 students are admitted in M.Phil Urdu in 2016
- **Academic Achievements**
 - Department of Urdu conducting *Weekly Literary Session* in which National & International critics, poets and writers are invited.
 - The Department of Urdu has organized a workshop on "*Ghalib say Iqbal Tak*" 2017.
- **Foreign Academic Linkages**
Department has Academic Collaboration and Teacher students exchange programs with Higher Education Organizations, given below:
 - Tehran University Tehran, Iran
 - Daito Bunka University, Japan
 - Osaka University, Japan
- **Exchanges and Resources Sharing Program/Forum of Resources Sharing**
 - Tehran University Tehran, Iran
 - Daito Bunka University, Japan
 - Osaka University, Japan

UNIVERSITY ORIENTAL COLLEGE

Telephone (s): +92-42-99212272, 99211621
 Fax Number (s): +92-42-9910831
 E-mail Address (s): principal.oriental@yahoo.com

- Post Graduate level departments = 5 (Arabic, Persian, Urdu, Punjabi, Kashmiryat)
- Under Graduate Certificate/Diploma Classes in the Institute of Languages = 15
- 56 Faculty Members are teaching the Post Graduate and Certificate/Diploma classes of the above of the Oriental College.



- o At present 901 students are studying in different disciplines
(M.A 185 + M.Phil 80 + Ph.D 48 + Diploma in Languages 261 = 574)
- o Details mentioned in the report of the Teaching Departments of this College

Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

Telephone (s): +92-42-99211616

Fax Number (s): +92-42-99211624

E-mail Address (s): principal@pharmacy.pu.edu.pk

- The Punjab University College of Pharmacy formerly known as Department of Pharmacy is the oldest professional institution in Pakistan. The Mission of the College is to provide the Pharmacy Education of high quality in Pakistan through Excellent courses as approved by Pakistan Council of Pharmacy (PCP), Higher Education Commission (HEC) and Inter University Faculty Board (IUFB) constituted by the Chancellor/Governor of the Punjab conducted within a creative and friendly environment. The Faculty consists of outstanding professionals who are fully committed to guide the students in their acquisition of learning under the supervision of Dean Prof. Dr. Khalid Hussain and Principal Prof. Dr. Nadeem Irfan Bukhari. The interaction between teachers and students create the learning environment which facilitates mastery of professional skills and knowledge. Punjab University College of Pharmacy (PUCP) is accredited with Pakistan Council of Pharmacy under Pharmacy Act.
- After upgrading the Department of Pharmacy to Punjab University College of Pharmacy, all laboratories have been re-organized and developed with financial assistance of the Higher Education Commission.
- Testing of drugs and medicines as antimicrobial agents are now possible due to the modern facilities provided in the laboratory of Pharmaceutical Microbiology.
- Industrial Pharmacy Section has also been upgraded with pharmaceutical machinery and with locally manufactured equipments. This section is being further developed.
- To provide better research opportunities, the College library is well equipped with textbooks, reference books and scientific research journals in various disciplines of Pharmaceutical Sciences having latest research work to the students and professionals. Facility equipped with of computer lab and Internet is also being provided to the students.
- At present there are about 1299 students studying in various classes session 2015-16 & about 1362 students for the session 2016-17 studying in various classes of the University College of Pharmacy. A number of 217 students are studying for the session 2015-16 & 205 students for the session 2016-17 in postgraduate class of M. Phil Part-I & II (Pharmacy). A number of 110 new books for the session 2015-16 & 109 new books for the session 2016-17 have added in our library.



○ **Undergraduate and Postgraduate Programmes**

In our College following regular classes of Undergraduate Degree Programme (Pharm. D) comprising of five years is regularly conducted throughout the each academic year.

- Pharm D Morning Session
- Pharm D Evening Session

○ **M.Phil and PhD Programmes**

In our Faculty regular classes of M.Phil and Ph.D. are conducted in following four disciplines:

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy
- Pharmacy Practice (Only M.Phil)

○ **Foreign Academic Linkages**

DeMont Fort University, UK for International PhD (Individual faculty member)

○ **Honours and Awards**

- ISO 9001:2008 certification.

○ **Institutional Linkages**

- DeMont Fort University, UK for International PhD (Individual faculty member)
- Allama Iqbal Medical College (Jinnah Hospital), Lahore.

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

Telephone (s) +92-42-99233133-35, +92-42-99231136

Fax Number (s): +92-42-99231139

E-Mail Address (s): director.cssp@pu.edu.pk

○ **MS and Ph.D. Programmes**

- M.Phil. Solid State Physics
- M.Phil. Microelectronic Engineering & Semiconductor Physics
- MS. Nanotechnology
- Ph.D. Solid State Physics
- Ph.D. Microelectronics/ Nanotechnology

○ **Academic Achievements**

The Centre of Excellence in Solid State Physics was established in 1973. The major aim of establishing the Centre in this field was to provide the country with technically trained manpower and to establish research facilities in the field of solid state physics. The Centre



offers M.Phil. degrees, Ph.D. degree and collaborative research work. The analytical facilities established in the Centre were successfully utilized to help various projects of National Importance. Students of various universities of Pakistan are offered these analytical facilities, and hundreds of samples of many different students have been analyzed, through ASIP and HEC, to date. Centre of Excellence in Solid State now boasts to have established facilities for theoretical and experimental research in the fields of materials preparation and characterization to device fabrication and characterization.

Achievements	2016-17
Number of faculty members	13
Number of books & Journal	4243
Number of M.Phil. students enrolled	107
Number of Ph.D. students enrolled:	28
Number of students completing M.Phil.	41
Number of students completing Ph.D.	2

○ **Foreign Academic Linkages**

- At International level
 - School of Chemistry, University of Manchester, UK
 - Chinese Academy of Sciences Beijing, China
 - Laser Centre, University Technology Malaysia
 - Institute of Electronics, York University, York, UK

○ **Honours and Awards**

- PCST Awards
- Prof. Dr. Shahzad Naseem (Category –A)
- Dr. Saira Riaz (Category-B)
- ISO 9001:2008 Certification

○ **Institutional Linkages**

- At National level
 - University of Engineering & Technology, Lahore.
 - Islamia University, Bahawalpur
 - Lahore College for Women University, Lahore
 - Govt. College University, Lahore
 - Bahauddin Zakariya University, Multan
 - Forman Christian College, Lahore
 - National Centre of Physics, Islamabad



CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Telephone (s): +92-42-99230625, 99230587

Fax Number (s): +92-42-99230624

E-mail Address (s): cimrpu87@gmail.com. Director.cimr@pu.edu.pk

○ **Postgraduate Programmes**

- M.Sc. in Mountain Conservation and Watershed Management (MCWM)

Regular 2 Years

This two-year M.Sc. Part I and Part II degree program each possess 25 and 27 students respectively thus a sum of 52 students are enrolled for year 2016-2017. The total numbers of student who have completed their Masteral degree in period are 06.

○ **MS and PhD Programmes**

- M.Phil. in Geo-conservation and Sustainable Development (GCSD)

Regular 2 Years

- Ph.D. in Geo-conservation and Sustainable Development (GCSD)

Regular 3-5 Years

As a remarkable achievement, the Centre has running MPhil and PhD programmes in Geo-conservation and Sustainable Development (GCSD). Total strengths of active enrollment are 38 and 19 students in MPhil and PhD programmes respectively.

CENTER FOR UNDERGRADUATE STUDIES

Telephone (s): +92-42-99232068

Fax Number (s): +92-42-99322057

E-mail Address (s): director.hons@pu.edu.pk, najamulsehar.hons@pu.edu.pk

Centre for Undergraduate Studies was established in 2007. Since then it is successfully running BS (4 Years) program for Chemistry, Botany, Zoology and Statistics. Students are admitted in their main departments and then sent to the Centre for first two years, where they learn compulsory subjects along with electives. In addition, students of Institute of Biochemistry & Biotechnology, Applied and Clinical Psychology and Physics come to the Centre to study common courses like English, Pakistan Studies and Islamic Studies. Centre is also the focal point for BS (4 Years) in affiliated colleges and is providing curriculum, scheme of studies and guidelines to the affiliated colleges. Faculty is making significant research output each year. With curricular activities, extra-curricular activities are also arranged in the Centre. One-day tour and annual sports gala are among these. In order to nourish strong interpersonal skills among students as well as to develop a cultured and dynamic student community, Centre for Undergraduate Studies has also organized various seminars, competitions and quizzes for students. Annual dinner was also arranged where the successful players were awarded trophies and certificates. Development of Aloe Vera Research laboratory is completed during this period, and many books have been purchased for library. At present there are more than



3500 books in the library of different disciplines from which students benefit whenever they desire. In addition many intellectual and academic journals are also regularly delivered to the library for the students. Center also has the credit of being second most important venue for entry tests after examination halls. Video conference facility and Al Raazi Hall are the most important and fully engaged assets of the Center.

○ **Undergraduate & Postgraduate Programs**

- First four semester of BS (4 Years) Botany
- First four semester of BS (4 Years) Chemistry
- First four semester of BS (4 Years) Zoology
- First four semester of BS (4 Years) Statistics (M + E); till 2017
- Common courses for BS (4 Years) Physics

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Telephone (s): +92-42-99233121-2

Fax Number (s): +92-42-99233120

E-mail Address (s): principal.cees@pu.edu.pk

○ **Undergraduate and Postgraduate Programs**

- BS Environmental Sciences (Morning & Evening)
- M.Sc Applied Hydrology (Morning)
- MSc. Tourism and Hospitality Management (THM)
- PGD Occupational Health & Safety (Evening) Program

○ **MS/M.Phil. and PhD Programs**

- MS Environmental Sciences
- Ph.D Environmental Sciences
- M.Phil Applied Hydrology
- Ph.D Applied Hydrology
- M.Phil Geomatics
- Ph.D Geomatics

○ **Academic Achievements**

The College of Earth and Environmental Sciences is successfully running BS, M.Sc. MS/M.Phil. and PhD degree programs in the disciplines of Environmental Sciences, Applied Hydrology, Geomatics, Tourism and Hospitality Management and PGD in Occupational Health & Safety. Presently, CEES has enrolment of about 679 Students in various disciplines during the academic session 2016-2017. Moreover, CEES has produced 05 PhD, 165 MS/ M.Phil. and BS / M.Sc. during the academic session 2016-2017. In addition to that the faculty members of the CEES have published more than 90 Research publications in the national / international journals / Conferences during the academic year 2016-2017.



- **Institutional Linkages**

- Swedish University of Agricultural Sciences UPPSALA, Sweden
- University of Windsor, Ontario, Canada
- American Rainwater Catchment System (Pakistan Chapter)
- M/s Wisey's Germany
- PCRET, Pakistan
- Pakistan Meteorological Department
- Ministry of Climate Change
- WAPDA
- PCRWR
- Soil Survey of Pakistan
- Indus Consortium
- WWF (Pakistan)
- Bulleh Shah Packages
- Waste Busters
- The Urban Unit
- ECO

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Telephone (s): +92-42-99231271, 35962612-4

Fax Number (s): Nil

E-mail Address (s): info.stat@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**

- BS Statistics (4 years) – Regular & Self Supporting (Undergraduate)
- M.Sc. Statistics – Regular & Self Supporting (Postgraduate)
- M.Sc. Actuarial Science – Regular & Self Supporting (Postgraduate)
- M.Sc. Biostatistics – Self Supporting (Postgraduate)
- Master of Information and Operational Management (MIOM) – Self Supporting (Postgraduate)
- M.Sc. Business Statistics and Management (MBSM)– Self Supporting (Postgraduate)

- **MS and PhD Programmes**

- M.Phil – Regular
- PhD – Regular

- **Academic Achievements**

- Admissions to all the academic programs were successfully made;
- Examinations to all the academic programs were timely conducted and results were also announced well within stipulated time;



DEPARTMENT OF GEOGRAPHY

Telephone (s): +92-42-99230419

Fax Number (s): +92-42-99231239

E-mail Address (s): office.geog@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS Regular Programme
- BS afternoon programme
- M.Sc. Regular programmes
- M.Sc. Afternoon Programme

○ **MS and Ph.D Programmes**

- M. Phil. in Geography
- Ph.D. in Geography

○ **Academic Achievements**

- 9 M.Phil. Degrees are awarded.

DEPARTMENT OF MATHEMATICS

Telephone (s): +92-42-99231241, 99231091

Fax Number (s): +92-42-99230329

E-mail Address (s): chairman.math@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS 4 Years
- M.Sc. 2 Years (Morning/Self-Supporting)

○ **M.Phil. and PhD Programmes**

- M.Phil. 2 Years
- Ph.D. 3-5Years

○ **Academic Achievements**

- 06 Ph.D. Scholars completed their Ph.D.
- 18 Phil. Scholars completed their M.Phil.
- 66 M.Sc. students completed their M.Sc.
- 24 BS students completed their BS.

○ **Foreign Academic Linkages**

- School of Mathematical Sciences, Universiti Sains Malaysia, Penang, Malaysia
- School of Engineering, Manufacturing and Mechanical Engineering, University of Birmingham, UK.

○ **Honours and Awards**

Best University Teacher Award awarded by Higher Education Commission, (January 28, 2016).



○ **Institutional Linkages**

- External Examiners from different Universities for Viva Voce of M.Phil./MS and Ph.D.
- 04 Post-graduate Colleges are affiliated with the department at M.Sc. level.

DEPARTMENT OF PHYSICS

Telephone (s): +92-42-99231243, 99230428

Fax Number (s): +92-42-35856892

E-mail Address (s): info.physics@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS (H) in Physics–Regular (Undergraduate)
- M.Sc. Physics – Regular (Morning & Evening) (Postgraduate)

○ **MPhil and PhD Programmes**

- M.Phil – Regular
- PhD – Regular

○ **Academic Achievements**

The total number of students who have completed their degrees during 01.10.2015 to 30.09.2016 is 85 (20 BS, 48 MSc. 15 MPhil and 2 Ph.D.) .04 research papers have been published in National and International Research Journals by the faculty members in the last academic year and many are submitted.

○ **Foreign Academic Linkages**

- Here is a list of some foreign institutions:
 - Department of Radiation Medicine, University of Kentucky, USA.
 - Southside Regional Medical Centre, Petersburg, VA, USA.
 - Department of Electrical Engineering and Computer Science, Michigan State University, USA.

○ **Institutional Linkages**

PINSTECH- Islamabad, INMOL- Lahore, Shaukat Khanum Hospital- Lahore, SUPARCO- Lahore, Govt. College University- Lahore, Centre of Excellence in Solid State Physics Department of Meteorology- Lahore and PCSIR-Lahore.

DEPARTMENT OF SPACE SCIENCE

Telephone (s): +92-42-99233107

Fax Number (s): +92-42-9923106

E-mail Address (s): chairman.spsc@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

BS 4 Year, M.Sc

○ **MS and PhD Programmes**

M.Phil, Ph.D. Old Scheme



- **Institutional Linkages**

Suparco, Urban Unit, Nespak, WWF

INSTITUTE OF CHEMISTRY

Telephone (s): +92-42-99230463

Fax Number (s): +92-42-9231269

E-mail Address (s): director@chem.pu.edu.pk

- **Undergraduate & Postgraduate Programs**

Following are the undergraduate & Postgraduate Programs.

- BS (4 years)
- M.Sc (2 years)

- **MS & PhD Programs (for the Year 2015-16)**

Following are the MS & PhD Programs.

- M.Phil (2 years)
- Ph.D

- **Institutional Linkages**

Institute of Chemistry has also established research collaborations and linkages with the following organizations.

PCSIR, Ferozpur Road, Lahore.

HEJ, Karachi.

PINSTECH, Islamabad.

NIBJI, Faisalabad.

ANMOL, Lahore.

INSTITUTE OF GEOLOGY

Telephone (s): +92-42-99230467, 99231267

Fax Number (s): +92-42-35846501

E-mail Address (s): director.geo@pu.edu.pk

- **Undergraduate and Postgraduate Programs**

During the academic session 2016-17 the Institute of Geology enrolled 103 students in BS Applied Geology (04 years) First Professional, Morning & Replica, while 32 students in M.Phil Applied Geology and 02 students admitted in Ph.D. Applied Geology degree program.

- **M.Phil/PhD Programs**

Presently the Institute of Geology is running following M.Phil. / PhD programs with total strength of 77 and students.

- M.Phil. Applied Geology
- PhD Applied Geology



○ **Foreign Academic Linkages**

Institute of Geology has following foreign linkages programs.

- Linkages with Seismic Micro-Technology Inc. Katy Freeway, Houston Texas, USA.
- DGB Earth Science, Netherlands
- Hydrological Forecast and Warning Department, Swedish Meteorological and Hydrological Institute, Sweden.
- M/S Thies, Germany

○ **Institutional Linkages**

- Mines and Mineral Department Govt. of Punjab, Lahore
- Oil and Gas Development Corporation Limited (OGDCL), Islamabad
- Pakistan Atomic Energy Mineral Centre, Ferozepur Road, Lahore
- Environmental Protection Department (EPD), Govt. of the Punjab, Lahore
- Water and Power Development Authority (WAPDA), Lahore
- Pakistan Oil Fields Ltd.
- OMV Exploration Pakistan, Islamabad
- MOL Pakistan Oil and Gas Co. Islamabad
- Ocean Pakistan Limited.
- Associated Consultants Engineering (ACE), Lahore.
- National Engineering Services Pakistan (NESPAK), Lahore
- Road Research and Material Testing Institute, Canal Road, New Campus, Lahore
- Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Telephone (s): +92-42-99210969

Fax Number (s): +92-42-99212505

E-mail Address (s): principal@pucit.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS Computer Science
- BS Software Engineering
- BS Information Technology
- M.Sc Information Technology

○ **MS and PhD Programmes**

- M.Phil Computer Science
- MPhil Remote Sensing & GIS
- Ph.D in Computer Science

○ **Academic Achievements**

- 100% increase in student intake at BS level
- Increase in PhD Faculty to 18



SCHOOL OF PHYSICAL SCIENCES

Telephone (s): +92-42-99230234

E-mail Address (s): dg.sps@pu.edu.pk

○ **M. Phil and PhD Programmes**

School of Physical Sciences is planning to start M. Phil and PhD degree programs in the fields of Chemistry, Biochemistry, Physics, Solid State Physics and Space Science. However, currently SPS is facilitating students and researchers from University of the Punjab and other organizations in their research. Currently, 18 BS (Hons)/M.Sc, 10 MS/M. Phil and 04 Ph. D students are using Laboratories of School of Physical Sciences in their current research projects.

○ **Academic Achievements**

- In School of Physical Sciences up till now 28 M. Phil students and 10 PhD have completed part of their research projects related to physical, biochemical and molecular sciences.
- In School of Physical Sciences we are also generating funds by doing sample analysis on different research instruments of different institutions.

○ **Institutional Linkages**

- University of the Punjab (Different Departments).
- University of Health Sciences, Lahore.
- Science college wahdat road, Lahore.
- Kinnaird College, Lahore.
- Queen Marry College, Lahore.

Punjab University Gujranwala Campus

Telephone (s): +92-55-9200985-9201225-27

Fax Number (s): +92-55-9201223

E-mail Address (s): dg.grw@pu.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BBA (Hons.) Banking & Finance, 4 Year Programme
- BBA (Hons.), 4 Year Programme
- MBA (Hons.), 1 ½ Year Programme
- B.Com (Hons.), 4 Year Programme
- M.Com, 3 ½ Year Programme
- M.Com (Hons.), 1 ½ Year Programme
- MA English, 2 Year Programme
- BSIT, 4 Year Programme



- M.Sc. IT, 2 Year Programme
- LL.B, 3 Year Programme
- LL.B, 5 Year Programme
- **MS and Ph.D Programmes**
 - MPhil Commerce
 - PhD Commerce

○ **Institutional Linkages:**

All the six departments at University of the Punjab Gujranwala Campus i.e., Banking & Finance, Business Administration, Commerce, English, Information Technology, and Law are working in collaboration with the parent departments of University of the Punjab at Lahore.

Punjab University Jhelum Campus

Telephone (s): +92-544-448780, 0544-448770

E-Mail Address (s): administrator@pujc.edu.pk

○ **Undergraduate and Postgraduate Programmes**

- BS(CS) 4 Years Program (8 Semesters)
- BBA (Hons.), 4 Year Programme.
Business Administration (8 Semesters)
- B.Com (Hons.), 4 Year Programme
Commerce (8 Semesters)
- LL.B, 3 Year Programme
- BS Management 4 Years Program
Administrative Science (8 Semesters)
- Graduate Programs
LLB, 5 Years Semester System

○ **Institutional Linkages**

All the five departments at University of the Punjab JHELUM Campus i.e., BSCS, Business Administration, Commerce, and Law are working in collaboration with the parent departments of University of the Punjab at Lahore.



Chapter

2

RESEARCH & DEVELOPMENT

- ***Research & Development***

Projects: (i) Completed (ii) Newly launched

- *Publications*

- *Conferences, Seminars and Workshops, etc.*

- *Research Journals*

- *Research Collaboration*

- *Indigenous*

- *Foreign Linkages*

- *Funding grants for R&D*

- *Operation of Office of Research, Innovation and Commercialization (ORIC)*



CHAPTER 2

Research & Development

Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

○ Research and Development

- The Centre completed a series of near about 300 research publications comprising of Books, Journals, Research Aid Series, Monographs and Reports, etc. South Asian Studies (Bi-Annual Journal) regular and valuable publication of the Centre, is HEC Recognized X Category Research Journal. In Addition to that Centre as launch a new Journal “Journal of Indian Studies” in this year 2015. The Centre has organized number of Seminars on different topics of national and international importance.
- During the period from 2016-17, the Centre has organized number of seminars as well as two National Conferences on “Challenges of Peace Building in South Asia” (2015) & “Indian Atrocities in Kashmir: Regional & Global Implications” (2016) in collaboration with Department of Political Science, University of the Punjab, Lahore. The Centre has published five publications (3 books and 4 issues of two Bi-annual journals - South Asian Studies & Journal of Indian Studies).

○ Publications: Books/ Edited

Books

Sr. No.	Author	Title	Year
1	Prof. Dr. Umbreen Javaid	Security Concern in South Asia	2016
2	Prof. Dr. Muhammad Jahangir Khan Tamimi	Demolition of Babri Masjid	2016
3	Prof. Dr. Muhammad Jahangir Khan Tamimi	Khalsa: The Pure Sikh Struggle in Indian Punjab.	2016

○ Conferences, Seminars and Workshops, etc. (sponsors, oral Presentation+Poster Presentation)

Indian Atrocities in Kashmir: Regional and Global Implications. (A Two days National Conference)	Ms. Mushaal Mullick Dr. Farzana Nazir Mir Dr. Hassan Askari Rizvi Papers Presented=29	05-10-16 06-10-16
Exposing and Enlightening the threats and Implications of Militant Extremism: Taking the Youth Community on Board in Countering Terrorism. (Lecture-HEC)	Prof. Dr. Umbreen Javaid Mr.Mir Waheed Akhlaq Mr. Abdul Jabar Awan	24-10-16 26-10-16



Cultural Background of Political Conflicts in South Asia.	Prof. Dr. Pitor Balcerowicz	01-11-16
Pakistan Afghanistan Relations and Stability in South Asia.	Dr. Marvin G. Weinbaum	08-11-16
On "Iqbal Day". 1-Seminar. 2-Quiz. 3-Discussion Session.	Dr. Abdul Majid Madam Mariam Kamal & Mir Waheed Akhlaq	10-11-16
A Seminar on "Recent Wave of Indian Repression in Kashmir"	Sardar Masood Khan	18-11-16
International Seminar on "Ambedkar's Philosophy: path to Social Justice in South Asia". (Sir Ganga Ram Heritage Foundation, Lahore.)	Muhammad Siddiq-ul-Farooq	15-12-16
Economic Strategic and Environmental Consequences of New Silk Road.	Mr. Jean Francois DI Meglio	19-12-16
A Mehfil-e-Milad Organized in CSAS	Director, CSAS and Faculty members & students	21-12-16
A lecture on "Lost Heritage The Sikh Legacy in Pakistan".	Mr. Amardeep Singh	03-01-17
A Seminar on "Research Methodology As Part of Research Synopsis".	Prof. Dr. Kanwal Ameen	05-01-17
A discussion on "China Pakistan Economic Corridor(CPEC)".	Prof. WU Yongnain	20-01-17
A workshop on "Study in France".	Mr. Sebastien Cartier	02-02-17
A Walk on "Solidarity of Kashmir"	Director, CSAS and Faculty members & students	08-02-17
A Seminar on "Empowering Youth Through Radio".	Nazakat Shakeela, Absar Abdul Ali	13-02-17
A Seminar on "Pakistan-India Relations: Challenges and the Way Forward".	Mr. Sudheendra Kulkarni, Dr. Zaffar Mueen Nasar	15-02-17
A Seminar on "Pakistan-India Relations and their impact on Asian Countries".	Mr. Shah Ghulam Qadir	28-02-17
A discussion on "CPEC and Pakistan China Relations".	Chinese Delegation visit	16-03-17
A Seminar on "23rd March Pakistan Day".	Brig. Nadir Mir	22-03-17
Research Methodology Training Workshop on "Research Design and Academic Writing".	Mr. Aftab Nasir	13-04-17



Book Launching Ceremony on “ Security Concerns in South Asia”. By Prof. Dr. Umbreen Javaid (ed.)	Prof. Dr. Zafar Mueen Nasar	17-04-17
A Lecture on “China and International Relations with its Neighbours”.	Mr. Salimane Zeghidour/Ahmad Ali Naqvi	18-04-17
A workshop on “ Social Research Methodology”.	Dr. Jan Peter Hartung	26-04-17
A Lecture on “Pakistan-India Water Talks”.	Mr. Ross Masud	27-04-17
On 27-04-17 “Prof. Dr. Muhammad Jahangir Tamimi” Death. Centre arrange programme “Condolence Reference”.	Director, all Faculty and Administration Staff	09-05-17
A Book Launching Ceremony on “Pakistan and a world in Disorder- a Grand Strategy for the Twent-First Century”.	Ambassador Javid Hussian	10-05-17
International Seminar of Dr. Ambedkar Day on “ Dr. B.R. Ambedkar’s Role of Empower Women”.	Dr. Muhammad Akram Ch. Syed Shaheen Hassan	18-05-17
A Lecture on “China and International Relations with its Neighbours”.	Mr. Salimane Zeghidour/ Ahmad Ali Naqvi	18-04-17
A workshop on “ Social Research Methodology”.	Dr. Jan Peter Hartung	26-04-17
A Lecture on “Pakistan-India Water Talks”.	Mr. Ross Masud	27-04-17
On 27-04-17 “Prof. Dr. Muhammad Jahangir Tamimi” Death. Centre arrange programme “Condolence Reference”.	Director, all Faculty and Administration Staff	09-05-17
A Book Launching Ceremony on “Pakistan and a world in Disorder- a Grand Strategy for the Twent-First Century”.	Ambassador Javid Hussian	10-05-17
International Seminar of Dr. Ambedkar Day on “ Dr. B.R. Ambedkar’s Role of Empower Women”.	Dr. Muhammad Akram Ch. Syed Shaheen Hassan	18-05-17

○ **Research Journals**

- Journal of South Asian Studies Vol. 31 No.1 (January - June 2016)

Sr.No.	Name of Author	Title of Paper/Article
1	Muhammad Iqbal Chawla	Comparative study of two progressive contemporary Muslims scholars...
2	Muhammad Ilyas	An appraisal of Pakistan’s Nuclear Policy during war on terror.



3	Irfa Iftikhar	Deliberative Democracy: effect of news media and interpersonal
4	Prof. Dr. Umbreen Javaid	Chinese Economic Challenges to the world trade organization...
5	Shahid Ahmed Afridi	Civil Military Relationship: Pakistan and India in comparison.
6	Naghma Parveen	FATA needs radical reforms in FATA administration in order to...
7	Ayesha Hanif	Performance Management in Public Sector: A case of Civil service in ...
8	Rizwan ullah Khan	Challenges of Separatism in East Pakistan and Tamil Nadu...
9	Prof. Dr. Umbreen Javaid	Analyzing the Dynamics of Pakistan-Afghanistan Relations: Past and Present.
10	Abdul Majid	Kashmir: A conflict between India and Pakistan.
11	Arfan Latif	Socio-economic and political determinants of child labor at brick kilns...
12	Ambreen Salahudin	Threshold: A spatial and ideological barrier in South Asian fiction...
13	Maria Saifuddin Effendi	India- Pakistan CBMs since 1947 a critical analysis.
14	Inayat Kaleem	Gwadar Port: Serving strategic interests of Pakistan.
15	Ahmed Ijaz Malik	Democratic Peace, Pakistan-India Relations and the possibilities of
16	Prof. Dr. Umbreen Javaid	Conflict management between Pakistan and India: Challenges and Failures.
17	Muhammad Ikramullah Khan	An Evaluation of Separation of Powers: a case study of Pakistan...
18	Farhat Rasul	Religion Tourism and Entrepreneurial Development (a case study Hazrat Data Ganj Baksh Shrine).
19	Mubeen Adnan	Peace process with India: a challenge for Pakistan.
20	Kamran Abid	A Strategy for the promotion of computer programming using Urdu Language in Pakistan.
21	Shahzeb Khan	Pedagogy of Alienation: Epistemic Hegemony of the Mental space and fatal fault in the National space.
22	Mian Ahmad Hanan	Role of Media in strengthening democracy in Pakistan: Journalists' perception.
23	Iram Khalid	Iran's Nuclear agreement: rethinking Pakistan's Middle East Policy.



24	Prof. Dr. Umbreen Javaid	Political Challenges and Security Issues in FATA and its impact on Economic Development.
25	Ayesha Karamat	Emerging Role of Social Media in Political Activism: Perceptions and Practices.

▪ Journal of South Asian Studies Vol. 31 No.2 (July - December 2016)

Sr.No.	Name of Author	Title of Paper/Article
1	Prof. Dr. Umbreen Javaid	Extremism in Contemporary Pakistan: Threats, Causes and Future Policy.
2	Nasira Jabeen	Revisiting Public Policy Making Process and Strategies in Pakistan...
3	Muhammad Shahid Soroya	Academic Integrity: Effects of Demographic Variables on Students' Conduct.
4	Sehrish Mushtaq	Indian Media System: An Application of Comparative Media Approach.
5	Prof. Dr. Umbreen Javaid	China's Interests and Challenges in South Asia.
6	Faiqa Mansoor	Promoting Academic Integrity in South Asian Research Culture...
7	Rukhsana Iftikhar	Historical Review of Medieval Feminism in South Asia: Amir Khusrau's..
8	Shabir Ahmad Khan	CPEC: Role in Regional Integration and Peace.
9	Muhammad Rashid Khan	Regional Co-operation among SAARC states: An Assessment of the Integrated program of action.
10	Iram Khalid	Water Scarcity – A Major Human Security Challenges to Pakistan.
11	Prof. Dr. Umbreen Javaid	China Central Asia Relations and Opportunities for Pakistan.
12	Naela Aamir	The Conceptual, Cultural and Artistic Significance of Purna-Kalasa and ...
13	Muhammad Nadeem	The Role of Institutional Quality in Enhancing Social Cohesion.
14	Zahida Habib	Role of Leader's Qualification on performance of Students at Primary...
15	Mubeen Adnan	China-Pakistan Economic Corridor: A Road to Development and its...
16	Muhammad Nadeem Mirza	Unmanned Aerial Vehicles: A revolution in the Making.
17	Arfan Latif, Zakria Zakar	Political Insight of Youth Development: An Investigation from public sector colleges in Lahore.
18	Manzoor Khan Afridi	The Politics of Interdependence: a case study of China-Pakistan Economic Corridor.
19	Karim Sajjad Sheikh	Socio-Political and Cultural Challenges of Poverty alleviation...



20	Prof. Dr. Umbreen Javaid	China's Foreign Policy in the Middle East.
21	Lubna Zaheer	War or Peace Journalism: Comparative analysis of Pakistan's English...
22	Khalid Manzoor Butt	Pakistan- Afghanistan Relations from 1978-2001: An analysis.
23	Hafiz M. Abubakar Siddique	The Impact of Urbanization and Energy Consumption on CO2 Emission in South Asia.

▪ Journal of South Asian Studies Vol. 32 No.1 (January - June 2017)

Sr.No.	Name of Author	Title of Paper/Article
1	Iram Khalid	Nuclear Terrorism in South Asia: Potential Threats/ Challenges and Options: Post 9/11 Analysis.
2	Prof. Dr. Umbreen Javaid	Globalization, Interdependence and Economic Cooperation Organization (ECO).
3	Manzoor Ahmed	The History of Baloch and Balochistan: A Critical Appraisal.
4	Abdul Majid	State of Human Rights in India: A Case Study of Muslim Minority Oppression.
5	Saira Siddiqui	Cultural Scenario of Pakistan in Democratic and Military Eras (1947-2013).
6	Muhammad Iqbal Chawla	The Khalistan Movement of 1984: A Critical Appreciation.
7	Ahmed Usman	A Comparison of Hindu and Muslim Caste System in Sub-continent.
8	Ghazala Abbas, Prof. Dr. Umbreen Javaid	Pakistan's war on Terrorism and 9/11.
9	Qamar Fatima	Political Development and Modernisation in Bangladesh.
10	Iqra Khalil	Military and Democracy: Conflict Resolution in Reference with Constitutional and Political Development of Pakistan.
11	Zobia Kanwal	Incidence and Dynamism of Sexual Harassment in South Asian Students.
12	Naeem ullah Khan	Right to Information as an Instrumental Force of Good Governance in South Asia.
13	Naumana Kiran	Punjab Migration 1947: Violence against Muslim women and the settlement.
14	Shazia Kousar	Factors Promoting Foreign Aid Dependence in South Asian Countries.
15	Faiz ur Rehman	Issues and Challenges to Cross LoC Trade.
16	Umm e Farwa Mubasher	Spiritual Leadership in Organizational Context: A Research Gap in South Asia.



17	Rehana Saeed Hashmi	Kashmir Conflict: The Nationalistic Perspective (A Pre-partition Phenomenon).
18	Syed Umar Hayat	Allamah Raghbir Ahsan and Pakistan Movement: A Assessment.
19	Muhammad Naveed Qaisar	Pakistan-Iran Relations in a Regional Context.
20	Zahir Shah	An Appraisal of Justice in Pakistan from the Prism of Platonic Justice.

▪ Journal of Indian Studies Vol. 2 No.1 (January - June 2016)

Sr.No.	Name of Author	Title of Paper/Article
1	Zubaida Zafar	Education System of South Asia: A Study of Indian Education System.
2	Khadija Waseem	Pakistani Academia's Perception of Indo-Pak Politico-Economic Relations and their Impact on the South Asian Region.
3	Nasir Ali	US Foreign Policy towards Pakistan in new Strategic Environment of South Asia.
4	Munawar Sabir	Patterns of Distribution of Population in South Asia: A Study of Pakistan (1972-81).
5	Farah Naz	Forecasting of Indian Gold Prices using Box Jenkins Methodology.
6	Aila Sajid Bhangoo	Acceptance of Indian Claim of Permanent seat in United Nations Security Council in Pakistan.

▪ Journal of Indian Studies Vol. 2 No. 2 (July - December 2016)

Sr.No.	Name of Author	Title of Paper/Article
1	Zubida Zafar	Women Empowerment in South Asia: The Role of Education in Empowering women in India.
2	Sanam Ahmed Khawja	Water Dispute between India and Pakistan and its Implications on the Political Relations between both the States.
3	Munwar Sabir	Patterns of Population Growth in South Asia: A Study of Pakistan (1972-81)
4	Sarah Hussain Rizvi	Comparative Study across Generations of India and Pakistan on Bilateral Conflict Resolution.
5	Zoya, Asma Awan	Indo-Pak Cricket Resumption: A Peace Plan for Resolving the Conflict.

▪ Journal of Indian Studies Vol. 3 No.1 (January - June 2017)

Sr.No.	Name of Author	Title of Paper/Article
1	Farhat Nasreen	India US Relations: Concerns for Pakistan.



2	Ahmad Usman	The Pakistan- India Security Dilemma Contemporary Challenges.
3	Shoukat Ali	Reviewing the Birth of Bangladesh; Analyzing the role of Big Powers.
4	Pervez Alam	Trade, Textile and other Industrial Activities: A Study of Banaras Region in Medieval India.
5	Atsushi Ikeda	Profiled Figure: The Modes of Representing a face in South Asian Painting.

UNIVERSITY COLLEGE OF ART & DESIGN

○ **Research & Development – An Overview**

- Prof. Dr. Shaukat Mahmood was serving as an HEC Professor under foreign Faculty Hiring Programme for the last 8 years.
- After expiry of the FFHP Prof. Dr. Shaukat Mahmood and Prof. Dr. Naseem Akhtar Said have been serving as Professor (on contract basis). They are actively engaged with students, research projects and the course work as well.

○ **Projects: Completed**

- “Contemporary Art in Pakistan”
- “Architecture Pakistan”
- “Lahore’s Monumental Architecture through the Ages: Historiography of Preservation”

○ **Publication**

- Ms. Naila Aamir. 2016. The conceptual, cultural and artistic significance of Purana Kalasa and its use in Hindu and Muslim Architecture of the subcontinent. International Journal of South Asian Studies. Vol. 31.
- Dr. Sumaira Jawad. 2016. Women Image and Pakistani Cinema. University Historical Society. Vol. 29
- Ms. Samina Zia. 2016. Misinterpretation of Women on Cinema Boards in Pakistani Culture. International Journal Multidisciplinary and Current Research. Vol. 4 (March-April).
- Ms. Samina Zia. 2016. Syncretism of Dissimilar Arches in Lahore Fort Complex. International Journal Multidisciplinary and Current Research. Vol. 4 (May-Jun).
- Dr. Sumaira Jawad. 2017. Feminist Discourse. University Historical Society. Vol. 30

1	Prof. Dr. Shaukat Mahmood	Hari Singh Nalwa Heritage Issue 27 Islamabad.
2	Prof. Dr. Shaukat Mahmood	Tent in Islamic History <i>Heritage</i> Issue 27 Islamabad.
3	Prof. Dr. Shaukat Mahmood	Waris Shah and Malka Hans <i>Heritage</i> Issue 27 Islamabad.



4	Prof. Dr. Shaukat Mahmood	Mughal love for Cypress tree <i>Heritage</i> issue 29 Islamabad.
5	Prof. Dr. Shaukat Mahmood	Magic of Sawan-Bhadon in Shalamar Bagh <i>Heritage</i> Issue 29 Islamabad.
6	Prof. Dr. Shaukat Mahmood	Ali: The Philanthropist <i>Heritage</i> Issue 29 Islamabad.
7	Prof. Dr. Shaukat Mahmood	Abdu Sattar Eidi : Higher than Nobel <i>Heritage</i> Issue 30 Islamabad.
8	Prof. Dr. Shaukat Mahmood	Hanif Muhammad : The little master <i>Heritage</i> Issue 30 Islamabad.

○ **Books**

Sr. No.	Name of Author	Title of Paper/ Articles
1	Prof. Dr. Shahida Manzoor	Anna Molka Ahmad The founder of art & art education in Pakistan
2	Prof. Dr. Shaukat Mahmood	Miniature Painting in Indo-Pak Sub-continent
3	Prof. Dr. Shaukat Mahmood	Architecture of Pakistan
4	Prof. Dr. Shaukat Mahmood	Tomb of Baba Farid Ganj-i Shahr
5	Prof. Dr. Shaukat Mahmood	Tughras of Ottoman Rulers <i>Heritage</i> Issue 30 Islamabad.
6	Prof. Dr. Shaukat Mahmood	Sikh Miniatures in Lahore Fort <i>Heritage</i> Issue 31 Islamabad.

○ **Workshops**

- Three days photography workshop by Mr. Arsalan Manzoor
Venue: PURAF Art Gallery Research Centre, College of Art & Design.
Date: 02-02-2017 to 04-02-2017.
- Three days workshop by Ms. Samira Malik.
Venue: Lecture Hall
Date: 02-05-2017 to 04-05-2017
- Five days workshop of Woodcut Prints by Mr. Mahboob Ali.
Printmaking Studio
Date: 08-05-2017

○ **Seminars**

- “The missing Dimension in Design” by Mr. Mahmood ul Hassan Jafri,
Venue: Lecture Hall
Date: 1st March, 2017



- Seminar by different young artist. “Role of Institutions and galleries in the making of an artist”.
Venue: PURAF Art Gallery
Date: 11-01-2017
- A seminar on “From Mayo School of Art to the NCA: An overview of a hundred years from 1875 to 1975. A story told by the Archival Files” by Ms. Iram Zia Raja, Assistant Professor, NCA, Lahore on 11-05-2017 at 02:00 p.m in the lecture room of the Research Centre, university College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Role of Geometry in Woodcarvings” by Ms. Naela Aamir, Assistant Professor, UCAD, PU, Lahore on 19-04-2017 at 01:30 pm in the classroom hall of the Research Centre, university College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Gems and Jewels of India...Symbolic Representation of Rise and Fall of Power” by Dr. Kanwal Khalid, Associate Professor, Govt. College for Women, Gulberg, Lahore on 11-04-2017 at 11:30 am in the lecture theatre, University College of Art & Design, University of the Punjab, Lahore.
- Seminar on “Portrait Photography” by Amna Yasin.
Venue: PURAF Art Gallery
- Seminar by Sana Durrani.
Venue: PURAF Art Gallery
Date: 1st February, 2017
- Organized by: Dr. Sumera Jawad
Seminar on “Role of Media in Pakistan Art”
Speaker: Ammar Masuad
Venue: Lecture Theatre
Date: Wednesday 13, December 2017
- A seminar on “Impact of Military Regimes on Pakistani Art” by Mr. Irfan Ullah Babar, Assistant Professor, GCU, Lahore on 26.5.2017 at 1.00 p.m. in the Lecture Room of the Research Centre, University College of Art & Design, University of the Punjab, Lahore.
- A seminar on “From Mayo School of Art to the NCA: An overview of a hundred years from 1875 to 1975, A Story told by the Archival Files” by Ms. Iram Zia Raja, Assistant Professor, NCA, Lahore on 11.5.2017 at 2.00 p.m. in the Lecture Room of the Research Centre, University College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Role of Geometry in Woodcarvings” by Ms. Naela Aamir, Assistant Professor, UCAD, PU, Lahore on 19.4.2017 at 1.30 p.m. in the Classroom Hall of the Research Centre, University College of Art & Design, University of the Punjab, Lahore.
- An “Artist Talk” by Ms. Shahida Ahmad from Qatar on 17.4.2017 at 11.30 p.m. in the Lecture Theatre of the University College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Gems and Jewels of India: Symbolic Representation of Rise and Fall of Power” by Dr. Kanwal Khalid, Associate Professor, Govt. College for Women, Gulberg, Lahore on 11.4.2017 at 11.30 a.m. in the Lecture Theatre, University College of Art & Design, University of the Punjab, Lahore.



- A seminar on “Punjabi Sufi Poetry” by Dr. Asma Qadri and organized by Amina Cheema on 20.1.2017 in the Anna Molka Art Gallery, University College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Emerging Trends in Public Art” by Ms. Sadia Kamran Pasha an eminent art historian on 27.3.2017 at 10.30 a.m. in the Lecture Theatre, Research Centre, University College of Art & Design, University of the Punjab, Lahore.
- Two days workshop on “Photography” by Mr. Arslan Manzoor an eminent photographer on 2-3.2.2017 in the PURAF Art Gallery, University College of Art & Design, University of the Punjab, Lahore.
- A seminar on “Video Production” by Mr. Kamran Faeq on 25.5.2016 at PURAF Art Gallery of UCAD.

Lecture and Talks

- Artist Talk by Mr. Waseem Ahmad (Assistant Professor, NCA Fine Arts Department)
Dated: 10th May, 2017
Time: 10:30am
Organized by: Mr. Habib Alkam and Ms. Atia Javed.
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- Artist Talk by Ms. Shahida Ahmed
Date: 17th April, 2017
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- Artist Talk by Mr. Ali Baba
Dated: 6th April, 2017
Organized By: Mr. Habib Alam & Ms. Atia Javed
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- Artist Talk by Ms. Kiran Riaz Mahmood
Former student of College of Art & Design, MA Fine Arts NCAD, Dublin, will be talking to the students and sharing her experience.
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- A Special Lecture by Dr. Umaira Hussain Khan
“Ceiling of the Gallery Sadequain an Iconographic Marvel”
Dated: 17-03-2017
Venue: Lecture Hall, University College of Art & Design
University of the Punjab, Lahore.



- Artist Talk By Mr. Jamil Baloch
Dated: 8th February, 2017
Organized by: Mr. Habib Alam & Ms. Atia Javed
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- Artist Talk by Mr. Azam Jamal
Dated: Monday 30th January, 2017
Organized By: Mr. Habib Alam & Ms. Atia Javed
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.
- Artist Talk by Dr. Asma Qadri
From Oriental College Punjabi Department University of the Punjab, Lahore.
Dated: 20th January, 2017
Organized by: Ms. Amina Cheema
Venue: Lecture Hall, College of Art & Design
University of the Punjab, Lahore.

List of Exhibitions

- Exhibition of Woodcut Prints by Mr. Mahboob Ali
Inaugurated by
Prof. Dr. Shahida Manzoor
Venue: Anna Molka Art Gallery
Date: 09-05-2017
- The Exhibition of Art Works by The M.Phil Students of College of Art & Design
The Exhibition Inaugurated by
Prof. Dr. Shahida Manzoor
Date: 16-03-2017
- Exhibition of Paintings of the Faculty Members of College of Art & Design
Date: 20-03-2017
- Participated in the Group Show of Painting with the theme of “Homage to Shakir Ali” held at Shakir Ali Museum, Lahore on 23 December, 2016.
- “An Exhibition of Painting” on APS Theme at Al-hamra Art Gallery, Lahore on 16.12.2016.
- “An Exhibition of Painting” on APS Theme at Anna Molka Art Gallery, UCAD, PU, Lahore on 16.12.2016.
- “Art competition with the theme of Pakistan Solidarity” by DGPR, Punjab, Lahore on 15.12.2016 at UCAD, PU, Lahore.
- Canvas Stretching and Surface Preparation Demo for Beginners demonstrated by Mr. Javed Iqbal at UCAD, PU, Lahore on 7.12.2016.



- Graffiti Competition by the Directorate General Public Relations Punjab on “Pole Theme Free Punjab” Art competition on Women Empowerment” with the collaboration of all Pakistan Women’s Association on 5.12.2016 at Radio Pakistan Building, Abbott Road, Lahore.
- “Art competition on Women Empowerment” with the collaboration of all Pakistan Women’s Association on 5.12.2016 at UCAD, PU, Lahore.
- Students of UCAD participated in an “Art Exhibition” at LUMS University on 25-26.11.2016.
- Artist talk and discussion of MFA students with Ms. Rakhshanda Atwar on 10.11.2016 at PURAF Art Gallery, UCAD, PU, Lahore.
- “An Exhibition of Art Works” to celebrate Iqbal Day on 9.11.2016 at Anna Molka Art Gallery, UCAD, PU, Lahore.
- “Group Show of Painting” by 22 Fresh Graduates of UCAD at Ejaz Art Gallery, M.M. Alam Road, Lahore on 3.11.2016.
- Two days Workshop on “Alaa Prima Oil Painting” by Ms. Durre Waseem at Anna Molka Art Gallery, UCAD, PU, Lahore on 2-3.11.2016.
- A lecture on “Happening of Art” by Ms. Sobia Zaidi at PURAF Art Gallery, University College of Art & Design, Punjab University, Lahore on 7.9.2016
- A seminar on “Exploring Tradition for Inspiration and Personal Expression” on 29.9.2016 at the PURAF Art Gallery, UCAD, PU, Lahore by Mr. Umair Ghani, Assistant Professor, Govt. College, Gulberg, Lahore.
- Delivered a lecture on “Ideology of Mrs. Anna Molka Ahmad” in a Seminar ‘Tribute to Creative Spirit’ held at Pakistan National Council of the Arts, Islamabad on death anniversary of Mrs. Anna Molka Ahmad.

DEPARTMENT OF ARCHAEOLOGY

- **Projects:** Newly launched
Excavation of Shorkot mound
- **Publications:** Books/Edited
 - Tauqeer Ahmad Ancient Architecture of Pakistan: A case study of palaces as depicted in Gandhara Art, *Journal of the Punjab University Historical Society*, University of the Punjab, Vol. 29, No.1, June 2016.
 - Dr. Muhammad Hameed
 - Miniature Relief from the Metropolitan Museum of Art, New York: A Comparative Study of its Iconography and Some New Thoughts about its Identification. In: *Journal of the Punjab University Historical Society*. Vol. 29 No. 2, 2016.
 - “Cruciform Relic Casket from Shaikhan Dheri Reliquary: An Appraisal with Special Reference to its Iconographical Treatment” In: *Frontier Archaeology*. .Vol. 8. 2016. 115-130.



- Discovering Buddhism in Southern Punjab: A study of Vanishing Buddhist Heritage of Sui Vihara, ART OF THE ORIENT, 2016 Vol. 05. 92-100. Poland.
- "A Little Known Miniature Relief from Peshawar Museum: Study of its Iconography" In: *Frontier Archaeology*, Vol.10-14, 2017. Pp.249-269.
- Elephant and Rider Type Buddhist Diptych Type Portable Shrines from Gandhara in Journal of Asian Civilization/ South Asian Study Centre, Vol. 32, No.2, July-Dec 2017.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

○ **Publications**

- Dr. Amra Raza
Political Discourse and U.S Strategic Narrative in Zeb-Un-Nissa Hamidullah Sixty Days in America. By Shafaat Yar Khan and Dr. Amra Raza. Journal of Political Studies Vol. 24. Issue-2, Winter 2017.
- Dr. Aamir Aziz
Aziz, A. & Khan, U. "Land of Immigrants." *American Book Review*, vol. 38 No. 2, January - February 2017, pp. 19-20. *Project MUSE*, doi:10.1353/abr.2017.0014 ISSN: 0149-9408 a journal of Houston University Victoria, USA. (Journal included in Thomson Reuter Master list of Journals)

Conference Research papers presented at Conferences

- Dr. Rizwan Akhtar
Presented a paper on International Conference "Fictional Narratives Pre-empting Brexit" held at University of London on September 19 -21, 2017.
- Mrs. Iffat Sayeed:
 - Presented a paper on Literary Discourse at the 4th International Conference on Language, Literature and Society held at Pakistan Academy of Letters Islamabad on October 5-8, 2016.
 - Presented a paper titled Configuration of Female Body in Contemporary Pakistani Poetry with Reference to Rizwan Akhtar, Yasmeen Hameed and Hema Raza at the International Conference held at Chester University U.K. on April 21st, 2017.
 - Presented a paper titled Literary Sensibility and Violence, Conflict and Terror at the First National Conference held at Lahore Garrison University on May 15, 2017.
- Ms. Ayesha F. Barque
 - Presented a paper titled Poetry and World Peace at the 4th International Conference on Language, literature and Society held at Pakistan Academy of Letters Islamabad on October 5-8, 2016.
- **Mr. Shahzeb Khan**
 - Presented a paper titled The Visible Invisible in the Pre-Postcolonial: Towards an Epistemic Reprioritization at the 17th Annual South Asian Literary Association Conference at Philadelphia, USA on January 2-4, 2017.



Conferences, Seminars, Workshops etc.

- Dr. Rizwan Akhtar Attended a conference between May 10-13 2017 'Presumed Autonomy' held at University of Stockholm, Sweden, and read his paper "The Postcolonial Condition and Aesthetic Autonomy: The Resistant Circumference of the Postcolonial Novel" in which he argued that the 'post-colonial literary mode of resistance marshals tripartite elements of aesthetic, politics, and language'.
- Dr. Khurram Qadir's Seminar on Analytical Epistemology: The renowned academic and researcher conducts a comparative study of the eastern and western paradigms of epistemology.
- Dr. Anjum P. Saleemi's Seminar on Confluence of Music and Poetry: Dr. Saleemi gives a talk on the interdependence of verse and musicality.
- Dr. Mahrukh Saeed Khan conducted a Workshop on How to Write a Research Proposal: Dr. Khan English Department for M.Phil and Ph.D students.
- Farah Zia's (The Editor of The News on Sunday) Seminar on the Dynamics of Print and Electronic Media in Pakistan.
- Seminar on Violence Within Checks Violence Without: The English Department celebrates World Poetry Day.
- Dr. Saleem Mazhar's Seminar on Asrar-e-Khudi: The Professor of Persian Language and Literature acquaints the Students and faculty with the original text of the masnavi written by the Poet of the East.
- Scriptures and Literature: Ashraf Ahmad Ali's Seminar on the background of Christianity in English Literature and differentiates between English Literature and Literature(s) in English.
- LAL: A Colour, A Gem, A Journey: The stage of the English Department own its first annual dramatic production. The Vice Chancellor attends and declares the play a healthy initiative towards the promotion of tolerance and peace in society.
- **Research Journals**
 - Journal of Research (Humanities) HEC recognized 'Z' category
 - Journal of English Studies
- **RESEARCH COLLABORATION**
 - **Foreign Linkages**
 - St. Andrews University, Scotland.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

○ **Research & Development**

The Department was established in 1932, with J.F. Bruce as its First Professor. It soon earned recognition owing to its high standard and expertise in a wide range of historical discipline. The Department since then stands as one of the elite and largest History Departments among the various Universities of Pakistan. It is a pioneer Department in South Asia for advanced studies and enjoys in status of premier and prestigious institution



having fostered members of Faculty in other Universities. Initially, local colleges cooperated with the Department in organizing post-graduate teaching. Eminent scholars and professors contributed towards its advancement from time to time. Those who rendered invaluable services include Professor J.F. Bruce, Prof. Dr. A.L. Sirivastava, Prof. J.D Ward, Sir Montgomery Hyde, Dr. Ishtiaq Hussain Qureshi, Prof. Dilawer Hussain, Prof. Sh. Abdur Rashid, Prof. Dr. Abdul Hamid, Dr. Zafarul Islam, Dr. Zawar Hussain Zaidi, Syed Ali Abbas, Prof. Dr. Yar Muhammad Khan, Prof. Muhammad Aslam, Prof. Ikram Ali Malik, Prof. Dr. Sadiq Ali Gill, Prof. Qamar Abbss and Prof. Dr. S. Qalb-i-Abid. The Research Journal of the History Department entitled “Journal of the Punjab University Historical Society” is one of the oldest journals of the University. It first appeared in 1932 and is currently being published biannually. It is a journal of international repute.

The present faculty has also grown up to seniority, eminence and professional ability. This includes Prof. Dr. Muhammad Iqbal Chawla, Dr. Mahboob Hussain, Dr. Faraz Anjum, Dr. Rukhsana Iftikhar, Mr. Ghazi Muhammad Abdullah, Dr. Naumana Kiran, Dr. Maqbool Ahmad Awan, Dr. Rubina Shoeb, Dr. Muhammad Abrar Ahmed & Miss. Anam Iftikhar.

Department is planning to greatly strength the Ph. D programs. Sixteen students have completed M. Phil in History and in this connection our Two Teachers have completed Ph.D and Two teachers are currently working on their Ph. D dissertations’. They are expected to complete their Ph. D in 2018.

Students Completing their Ph.D

46 students doing Ph. D from History Department as regular

○ **Publications**

▪ Prof. Dr. Muhammad Iqbal Chawla

• *International*

(2016) “Mountbatten’s Response to the Communal Riots in the Punjab, 20 March to 15 August 1947: An Overview” *Journal of the Royal Asiatic Society / First View Article / August 2016*, pp 1 - 24 DOI: 10.1017/S1356186316000225, Published online: 29 July 2016.

• *National*

- (2017) “Islamic Welfare State: A Critique Of Parvez’s Ideas About Islam” *Pakistan Economic and Social Review, Volume 55, No. 2 (Winter 2017)*, pp. 309-326
- (2017) “A History Of Visual Art In Pakistan: Studying The Resistance Against Zia-Ul-Haq’s Military Regime”, *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 54, No.2, July-December, 2017. pp. 225-238.
- (2017) “Era Of “Reconciliation” In Pakistan, 2006-2017: A Critical Reappraisal”, *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 54, No.2, July-December, 2017. pp. 239-248



- (2017) "From Communitarianism to Communalism, Identity Positioning in late Nineteenth Century Lahore: An appraisal", *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 54, No.1, January-June, 2017. pp. 21-37
- (2017) "History and Development of Lyallpur 1890-1947", *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 54, No.1, January-June, 2017. Pp. 98-115.
- (2017) "One Belt One Road Summit 2017 and its implications for CPEC: An overview", *A Research Journal of South Asian Studies*, Vol. 32, No. 2, July – December, 2017, pp.277 – 284.
- (2017) "The Khalistan Movement of 1984: A Critical Appreciation", *A Research Journal of South Asian Studies*, Vol. 32, No. 1, January – June 2017, pp.81 – 90.
- (2016) "A History of Sindh from a Regional Perspective: Sindh and Making of Pakistan", *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 53, No.1, January-June 2016. pp. 251-267
- (2016) "Female Sufism in Pakistan: A Case Study of Bibi Pakdaman" *Pakistan -- Vision*, Pakistan Study Center, University of the Punjab, Vol. 17, No. 1. Lahore. pp. 224-247
- (2016) "Maulana Azad and the Demand for Pakistan: A Reappraisal" *Journal of Pakistan Historical Society*, Vol. LXIV, No. 3. July-Sept 2016. pp. 7-24
- *National & International Conferences Organized*
- International Conference on *China-Pakistan Economic Corridor: Political, Economic and Social Perspectives* September 11th – 13th, 2017, at Department of History & Pakistan Studies, University of the Punjab, Lahore, Pakistan
- *International Conferences Attended*
 - International Conference on "China Towards 2050: New Era, New Thought, New Journey", by 7th World Forum on Chinese Studies, held on December 10-11, 2017, Shanghai, China.
 - International Conference titled: 46th Annual Conference on South Asia to be held at the University of Wisconsin-Madison, USA on October 26-28, 2017 "Theorizing the Plural society: Sir Fazl-i-Husain's role in the Colonial Punjab".
 - "The Symposium on China Studies 2017 (SOCS 2017)" jointly hosted by the Ministry of Culture (MOC), People's Republic of China and the Chinese Academy of Social Sciences (CASS), to be held from July 23 to 29, 2017, China.
 - Inauguration Ceremony of The Exhibition Entitled: Alexander the Great Meets the Buddha hosted by INTERART Channel Organizing Committee, Seoul, Korea, to be held from June 29 to 30th September, 2017,.
 - "Leadership Program" organized by Punjab Higher Education Department' with Partner Universities at UK to be held from May 14 to May 24, 2017.



- “Culture Tour Winter Camp for Graduate Students of China and Pakistan”, held at Nanjing University, Nanjing, China, from December 11-19, 2016.
- “International Conference on British Commonwealth and Ocean Civilization”, held at Nanjing University, Nanjing, China, from October 15 to October 17, 2016.
- *National Conferences Attended*
 - “A Two Day Literary Festival” Organized by GC University Faisalabad on 23rd and 24th February 2017.
 - Three Days International Conference “History of Sindh”
 - Two Day International Conference, “Afkaar-e-Taza” Organized by IT University, Lahore 2016.
 - “2nd International Social Sciences Conference 2016 Social Sciences Research in Post Modern Times”, Allama Iqbal Open University, 28-29 December, 2016
 - “Two Days Training Workshop “Research Methods in Social Sciences” by Department of History & Pakistan Studies, GC University Faisalabad, held on December 29th and 30th, 2016
- *Lectures & Seminars Attended*
 - Workshop on Ancient Silk Road, A communication between China and India, by History College, Nanjing University, July 31, 2017.
 - South Asian Lecture Series: China-Pakistan Relations: A Historical Perspective, by Center for South Asian Studies, Center for Global Studies and World History, Shanghai University, December 11, 2017
- Dr. Mahboob Hussain
 - Ideological, Cultural, Organizational and Economic origins of Bangali separatist movement.
 - Challenges of Separatism in East Pakistan and Tamil Nadu comparative: Appraisal of political Leadership.
 - National Integration of Pakistan: An Assessment of Political Leadership of Huseyn Shaheed Suhrawardy
- Dr. Faraz Anjum

Islam and Hinduism in the Eyes of Early European Traveller to India.
- Dr. Rukhsana Iftikhar
 - Historical Review of Indian Feminism & Amir Khusrau’s Work
 - Folklore in Mughal India
- Dr. Maqbool Ahmad Awan
 - The Sikh Community in the “United Punjab: Sikandar’s Premiership and his reconciliatory Policy.
 - Candid Statesmanship of Inter-Communal amity in Colonial Punjab: A Case Study of Sikandar Hayat Khan.
 - Socio-Economic and Political Complexities. A Historical Survey: The British Punjab.



- Dr. Robina shoeb
 - Refocusing on the Education System under the Sikh Rule, Journal of the Punjab University Historical Society (Vol. 30, No. 2, Dec. 2017)
 - Re-Focusing The History Of Education In Pakistan, A Case Study Of Punjab, 1999-2008: (Vol. 54, No. 2, July.-Dec., 2017)
- Dr. Muhammad Abrar Ahmad
 - “History of Education in Punjab, 1999-2008: An Analysis” *Journal of Research Society of Pakistan*, Vol. 54, No.2 (2017): 305-319.
 - “Snooping into the Belt & Road & Initiative: A Comparative Study of Gwadar with Chabahar Port”, Journal of the Punjab University Historical Society Vol. 30, No. 2 (2017): 71-82.
 - “History and Development of Lyallpur 1890-1947”, Journal of Research Society of Pakistan, vol. 54, no. 1(2017): 95-112.
 - “International Pakistan History Conference: “China Pakistan Economic Corridor: Political, Economic and Social Perspective”, 11-13 April, 2017, at Department of History & Pakistan Studies, University of the Punjab, Lahore, Pakistan.
 - *Awards*
Young Sinologist, Shanghai, China, 2017
- Miss Anum Iftikhar
 - “History of Education in Punjab, 1999-2008: An Analysis” *Journal of Research Society of Pakistan*, Vol. 54, No.2 (2017): 305-319.
- **Conference**
Department of History organized an International Conference on “*China-Pakistan Economic Corridor: Political Economic and Social Perspectives*” from 11 to 13 September 2017
- **Research Journals**
Journal of the Punjab University Historical Society published in June and December

DEPARTMENT OF LITERARY HISTORY

- **Research and Development**
Completed and published a 1200 pages book titled Short Tareekh-e-Adabiyat of Urdu Literature. Most of the articles were written and edited by Prof. Dr. Kh. Muhammad Zakariya (Director of the Deptt.)

RESEARCH SOCIETY OF PAKISTAN

- **Publications:** Research Journal
 - Published in January to June 2016
 - July to December 2016
 - January to June 2017
 - *Under Print Journal*
July to December 2017



○ **Books**

▪ *Books Reprinted*

The Emergence of Pakistan

▪ *Book Under Print*

- Rethorising the History and Historiography of South Asia.
- Diary and Notes of Mian Fazl-i-Hussain
- Letter of Mian Fazl-i-Hussain

Number of Books in the Library

The total number of books in the library of the Research Society of Pakistan is 8883

Number of Publication

Titled of Books so far books published by the Research Society of Pakistan 113 Books.

DEPARTMENT OF PHILOSOPHY

○ **Publications: Books**

Author's Name	Book Title	Duration	Sponsoring agency
Dr Shagufta Begum & Dr Ali Raza Tahir	Khutbat Ba Yad-i-Iqbal	2016	University of the Punjab, Lahore

- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation+Poster Presentation)
The Department arranged Iqbal Memorial Lecture and University of the Punjab sponsored the lecture.

○ **Research Journals**

Author's Name	Article Name	Journal
Dr Shagufta Begum & Hammad Mushtaq	Concept of Immortality in Plato's Phaedo	Al-Hikmat Volume 2016
Dr Ali Raza Tahir	Avicennian Logic	Al-Hikmat Volume 2016
Dr Ali Raza Tahir	Allama Muhammad Iqbal Aur Babiat (Urdu)	Al-Hikmat Volume 2016
Mr Muhammad Rasheed Arshad	Barr-e-Sagheer Pak-o-Hind Kay Aakhri Kalasiki Mutkallam: Hafiz Ayub Dehlvi (Urdu)	Al-Hikmat Volume 2016
Dr Shagufta Begum & Hammad Mushtaq	Courtly Love: Emergence of a New Love Order	Al-Hikmat Volume 2017
Dr Ali Raza Tahir & Khurshid Alam	Lacan and Subject Formation in Eugene O'Neill's Mourning Becomes Electra	Hikmat Volume 2017
Dr Ali Raza Tahir	An Introduction to Muslim Thought	Hikmat Volume 2017
Ms Sehreen Far Bukhari	Mill and the Status of Women	Hikmat Volume 2017



Mr Saad Malook	The Post-Rawlsian Political Philosophy: A Critique of the Realist Standpoint	Hikmat Volume 2017
Mr Muhammad Rasheed Arshad	Masla-i-Ikhtiar (Urdu)	Hikmat Volume 2017

PAKISTAN STUDY CENTRE

○ **Research & Development**

- The Centre is conducting research on different themes of Pakistan Studies, and on a variety of subjects dealing with the developments taking place in the world.
- The Centre publishes research works in shape of books, monographs as well as in its research journal 'Pakistan Vision'. More than fifty five (55) books have been published so far.
- The Centre's research journal, 'Pakistan Vision', is published bi-annually. It has been recognized by Higher Education Commission in Y category and has been made available on Centre's website.
- The Centre has been trying to play a more effective role in the promotion of academic and research collaboration with other universities, Pakistan Study Centres and other institutions. The Centre has established linkages with scholars and academicians of national and international repute.
- The Centre is organizing international conferences, seminars, the special lectures on regular basis. These are organized on a very large scale, covering variety of subjects; specialists working in national and international institutions are invited to speak on matters of national and international importance. These are well-attended seminars.

○ **Projects:** (i) Completed (duration, sponsoring agency, funding)

The Centre has published one book and 02 issues of research journal Pakistan Vision during the period under review.

○ **Publications:** Books/ Edited

The Centre has been publishing books and a bi-annual research journal on regular basis. Following were published during the period under review:

▪ **Book**

Dr. Ahmad Ejaz, *US Security Policy towards South Asia and Kashmir Dispute*

▪ **Research Journal**

- *Pakistan Vision*, (Journal) Vol. 17, No. 2, December 2016

Following research articles were included:

- Economic Growth of Pakistan: Effects of Foreign Capital Inflows by Syed Shahbaz Hussain, Pirzada Sami Ullah Sabri, Zahra Amjad, Asjad Ghani Tahir
- Role of Cohesive Non-State Actors in India-Pakistan Relations: A Case Study of Regional Organization SAARC by Fauzia Ghani



- Promotion of Education in Punjab: Mian Muhammad Nawaz Sharif's Efforts as a Chief Minister, Punjab (1985-1990) by Muhammad Arshad Ali, Massarrat Abid
- Context of Bengali Separatist Movement: An Appraisal of Sheikh Mujib-ur-Rehman's Leadership by Rizwan Ullah Kokab, Muhammad Arif Khan
- Daily Hassles Checklist for School Teachers by Talat Sohail, Humala Khalid, Sarah Shahed, Uzma Qureshi, Zainab Javed, Saima Islam
- Study of Impact of Professional Qualification on the Use of Competency Based Teaching Methodology by Munazza Aziz
- Political Economy of Identity Formation, 1890-1910: Class and Community In Colonial Punjab by Haider Ali Agha
- U.S. Strategy of preventing Conflicts in South Asia by Ahmad Ejaz
- Communication and Surveillance in India: Sher Shah Suri's Regime (1540-1545 A.D) by Rukhsana Iftikhar
- Pakistan United States Relations and the Kashmir Dispute (1999-2008) by Salma Iqbal, Massarrat Abid
- Nuclear Diplomacy: A Case Study of French and Pakistani Behaviour by Humaira Dar
- Habits and Practices Regarding Domestic Water Usage in Lahore City by Nazma Malik, Muhammad Aboidullah, Muhammad Nawaz Chaudhry
- Contextualizing Privatization in Pakistan: A Case Study of Pakistan Railway by Urooj Qamar, Amir Saeed
- Charter of Democracy: A Good Omen for the Democratization in Pakistan by Amjad Abbas Khan, Mehboob Alam
- Faculty Development Programs and their Effect on Individual and Organizational Performance in Pakistan by Sibtah Dar, Nasira Jabeen, Zafar Iqbal Jadoon, Irum Sajjad Dar
- Pakistan-China Relations: US Factor in Changing Dynamics of Global Politics by Mirwais Kasi, Amjad Abbas Khan, Kaleem Ullah Bareach
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation+Poster Presentation)
During the period under review, Pakistan Study Centre organized more than fifteen international and national seminars and special lecture:
 - Seminar in collaboration with Sir Syed Taleem Tehzeb-o-Akhlaq Foundation to pay tribute to Sir Syed Ahmed Khan, Keynote Speaker: Syed Muhammad Asadullah
 - Convener, Sir Syed Taleem Tehzeb-o-Akhlaq Foundation, Prof. Mrs. Farzana Shaheen,
 - Govt Post Graduate Islamia College for Women (Cooper Road), Mr. Mujeeb ur Rehman Shami, Chief Editor, Daily Pakistan, Justice (r) M.A. Shahid Siddiqi, Prof. Dr. Muhammad Iqbal Chawla, Dean, Faculty of Arts & Humanities, University of the Punjab
 - Special lecture on "President Trump's Policy in South Asia: The impact on Pakistan." Prof. Dr. Agnieszka Kuszewska of Institute of Social Sciences, University of Social Sciences & Humanities, Warsaw, Poland and Dr. Agnieszka Nitza-Makowska



- seminar on "Pakistan at 70: Challenges and Opportunities" in connection with the Independence Day celebrations. Vice Chancellor Prof. Dr. Zaffar Mueen Nasar were the chief guest and Prof. Dr. Hasan Askari Rizvi, Professor Emeritus, Department of Political Science, University of the Punjab and Prof. Dr. Rasheed Ahmed Khan, Former Dean, University of Sargodha were the keynote speakers.
- Seminar on "European Perspective on the Issue of Terrorism in Pakistan and Afghanistan" Keynote Speakers: Prof. Dr. Andrea Margelletti, President, Centre for International Studies, Rome, Italy, Prof. Dr. Hasan Askari Rizvi, Emeritus Professor, Punjab University, Former Ambassador Javid Husain, Dr. Ejaz Hussain, AIG Punjab Police
- Seminar on "Sir Syed & The Two Nation Theory" Keynote Speakers: Syed Muhammad Asadullah Convener, Sir Syed Taleem Tehzeb-o-Akhlaq Foundation, Mr. Saeed Aasi, Eminent Journalist & Editor, Nawa-i-Waqt, Prof. Dr. Saadat Hassan Saeed, Distinguished Professor, GC University, Lahore, Prof. Dr. Muhammad Iqbal Chawla, Dean, Faculty of Arts & Humanities, University of the Punjab, Lahore.
- Seminar on "Quaid-i-Azam Muhammad Ali Jinnah: The Charismatic Leader" Keynote Speaker: Prof. Dr. Sikandar Hayat, Professor of History and Public Policy, FC College University, Lahore
- seminar on "Fall of Dhaka," Keynote Speakers: Dr. Rizwan Ullha Kokab, from GC University, Faisalabad and eminent journalist, author and political and security expert Mr. Murtaza Shibli
- Book Launching Ceremony of "US Security Policy towards South Asia and Kashmir Dispute" Seminar on "Pakistan Afghanistan Relations: Implications for the Region." Keynote Speakers: Prof. Dr. Muhammad Iqbal Chawla, Prof. Dr. Mazhar Moeen, Prof. Dr. Aqdas Ali Kazmi
- Seminar on "Pakistan Afghanistan Relations: Implications for the Region." Prof. Dr. Piotr Balcerowicz of University of Warsaw, Poland and Mr. Muhammad Mehdi, foreign policy expert
- Seminar on "The Sikh Monuments in Pakistan," Keynote Speakers: Mr. Bobby Singh Bansal, United Kingdom and Dr. Pritpal Virdee
- Seminar on "Pakistan-India Relations and the Kashmir Dispute," Keynote Speaker: Mr. Khurshid Mahmud Kasuri, Formerly Minister of Foreign Affairs, Prof. Dr. Hasan Askari Rizvi, University of the Punjab, Prof. Dr. Piotr Balcerowicz, University of Warsaw, Poland and Amb. Javid Husain
- Seminar on Faiz Ahmed Faiz and the Urdu Tradition, Keynote Speaker: Prof. Dr. Carla Petievich, South Asia Institute, University of Texas at Austin, held on September 8, 2016
- Seminar on Iqbal and book launching ceremony of Religious Tolerance in Iqbal's Philosophy by Prof. Dr. Zahid Munir Amir, held on April 21, 2016
- Special lecture on Perception of Pakistan in Europe in the Context of Contemporary Political and Security Challenges, Keynote Speaker: Prof. Dr. Agnieszka Kuszewska, University of Social Sciences, Warsaw, Poland



- Special lecture on Women, Colonialism and Freedom Movement in Indian Subcontinent, Keynote Speaker: Prof. Dr. Pritpal Virdee, School of Humanities, De Montfort University, Leicester, UK, held on March 25, 2016
- Seminar on Refugee Situation in Berlin and Europe, Keynote Speaker: Prof. Dr. Bettina Robotka, Department of South Asia Studies, Faculty of Humanities, Institute of Asian and African Studies, Humboldt University, Berlin, Germany, held on March 3, 2016
- Seminar on Kashmir Solidarity Day, held on February 5, 2016, Chief Guest: Former Chief Justice of Pakistan Justice (r) Riaz Sheikh, President: Prof. Dr. Mujahid Kamran, Vice-Chancellor, Punjab University. Renowned political leader of Azad Kashmir Sardar Khalid Ibrahim, Air Marshal (r) Amjad Hussain, Vice Chairman Anti Corruption Punjab Rana Ikram Rabbani, President Jamiat Ulema-i-Pakistan Pir Ejaz Ahmed Hashmi, renowned lawyer Ahmed Awais advocate, a delegation of lawyers from Jammu Kashmir headed by Syed Babar Qadri

RESEARCH COLLABORATION

○ Indigenous

- The Centre has been collaborating with various universities and national as well as international institutions on matters of research and education.
- Eminent Scholars and academicians of national and international repute visit the Centre on regular basis. Special lectures are arranged at the Centre quite often on a very large scale.

▪ Foreign Linkages

The Centre has signed five MoUs and has established linkages with scholars and academicians of national and international repute.

▪ Funding grants for R&D

Two research projects were approved and grants was awarded by Punjab University Research Project Committee

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ R & D An overview

The list of the articles published in journals/in press is as follows:

‘Meta-Power of the Sacred/Secular and the Politics of Ideological Discourse : A journey from Global to [g]local’ published in *International Research Journal of Arts & Humanities (IRJAH)*, Vol.44, No. 44, 2016. Authors : Fiza, Saleha Nazeer.

○ Research Projects

Synchronized Quadrilingual color coded translation of Holy Quran (Phase-I)

This Research Project is carried out under Research Wing - Translation Desk, of the French Department, under the supervision of Dr Saleha Nazeer and Dr Rasheed Ahmad Thanvi and the Research Wing Team members: Ms Fizza Hammad, Ms Hamd Nayab, Mr Muhammad Zeeshan, Mr Waqas Ahmad Chishti, Youmna Noor, Ms Hafsa Monaf, Ms Ushna Khaliq,



Ms Mahnoor Amjad. In Phase I, a Linguistic study was done on the text of Surah Hujurat, coding different linguistic units in colors and presenting them in a synchronized pattern in four languages : French, English, Arabic and Urdu. The technique was used to facilitate non-Arab readers - Francophones, Anglophones and Urduophones, in understanding the Holy text through its color coded translation in French, English and Urdu. The project received a warm reception by the public and was also awarded prize in 6th Invention to Innovation Summit 2017.

- A number of graduate level Research projects were carried out under the Research Wing of the French Department, supervised and directed by Dr Saleha Nazeer:
- “A study of professional careers adopted by the university graduates of the French Department” : *Le cadre de la langue française au Pakistan : une étude des professions adoptées par les étudiants universitaires* by Javeria Zia.
- “Code switching among Teachers of FLE - French as a foreign language”: *Le codeur des enseignants dans la classe du FLE* by Sara Khan.
- “Study on the Quality of Higher Education at the University of the Punjab” : *Etude de la qualité de l’enseignement supérieur à l’université du Pendjab* by Rabia Zulfiqar,
- “Effects of Internet on the Academic Performance of University Students” : *Les effets d’internet sur la performance académique des étudiants universitaires* by Mubarrarah Ali
- “A comparative Study on Rural and Urban Schools in the region of Mandi Bahauddin”: *Etude comparée des écoles rurales et urbaines dans la région Mandi-Bahauddin* du Pendjab by Mati-ur-Rahman

○ **Conferences, Seminars & workshops**

- *Conference Papers presented by Dr Saleha Nazeer & Ms Iram Iqbal*
 - Panorama of French Studies in the Socio Economic Development in Pakistan presented at ICORE, the 4th International Conference on Research in Education, University of the Punjab, November 2016.
 - Towards Cultural Evolution Through Nursery Rhymes, presented at ICORE, the 4th International Conference on Research in Education, University of the Punjab, November 2016.
 - Language engineering and Learning Design for FLE, presented at ICLAP, the 2nd International Conference of the Linguistic Association of Pakistan, University of the Punjab, October 2016.
- *Other academic events*
 - Creation of French language learning website by BS French student Hifsa Monaf: Vertpakistan.wixsite.com/frenchseeker
 - Creation of website of French Conjugations, by MA French student: Saim Rashid
 - BS French students completed their training session on How to Conduct Interviews and Vox-pops. They demonstrated and presented their expertise in conducting interviews and vox-pops through video recordings in different daily life situations assigned to them.
 - Creation of Documentraies on Social issues by BS French students : Fizza Hammad, Youmna Noor, Ushna Khaliq, Waqas Ahmad, Hamd N.A. Khan, Mahnoor Amjad, Hifsa Munaf & Mohammad Zeeshan.



- Laptops awardees under prime Minister Scheme – MA & BS French students: Rabia Zulfiqar, Javeria Zia, Sarah Khan, Aqsa Ramzan, Fizza Hammad, Youmna Noor, Hamd N.A. khan, Hifsa Munaf, Maria Ilyas.
- Merit Scholarship awarded to BS French students : Fizza Hammad, Youmna Noor, Ushna Khaliq, Hamd N.A. khan, Hifsa Munaf
- A Francophone session was organized for the students. Guest of Honour for the session was Madam A.N.A. Rassool (Retd. Head of the French Department), from France.
- *Talent hunt Speech contest*
The French Department organized a talent hunt speech contest among the students of BS and MA French. The topic of the speech was "Pakistan as it is Today - and the Pakistan as we want it to be ". There was a tough competition as all the contestants performed really well. BS 1st semester student, Ms Hajira Amjad won the first prize on the basis of her confident delivery, clear expression and especially for her coherent and thought provoking content reflecting the need to overcome the flaws in our own selves instead of blaming others. The baseline of these speeches emphasised upon the fact that we all together constitute today's Pakistan and its society, and our rulers are merely our reflection. Today's Pakistan will reflect honesty if we become honest; it will reflect truth if we stop telling lies; it will reflect it's integrity when we practise sincerity, commitment and dedication in our daily life. The audience gave a warm applause to the speakers and appreciated the organizers of the event and the Student Advisors of Honors and Master programmes for their graceful hosting, time management and enthusiastic participation as a team.
- *PU French Department wins French Poetry Recitation*
 - Students of the Punjab university's French Department won the inter institutional competition of French Poetry Recitation held at Aitchison College, Lahore. The BS French programme students Fizza Hammad and Hafsa Monaf from 6th semester participated in the event in which various other institutions of Lahore also took part. Fizza Hammad was also awarded the overall Best Performance Award besides Best Recitation Award in Advanced level category.
- *Delegation of University Professors from France:*
 - A delegation of senior Professors from various French Universities, from Paris Chamber of Commerce & Industry, and representatives of Campus France "The French National Agency for the promotion of Higher Education, International Student Services and International Mobility " visited the Punjab University and met the Vice-Chancellor Prof. Dr. Zafar Moeen Nasir, Prof. Dr Zakria Zakar, Prof. Dr. Nasira Jabeen and Dr. Saleha Nazeer. Various possibilities for future academic collaboration especially in the disciplines of Business Management, Social Sciences & Humanities were also discussed. The delegation also visited Central Library followed by the visit of French Department and met teachers and students of French.



- Dr. Saleha Nazeer apprised the delegation about different courses offered and the objectives of their academic programs at the French Department.
 - The members of the delegation appreciated various ongoing research projects of the French department. They were deeply impressed by the programs and the variety of courses offered at the department.
 - They expressed that they were under the impression that French as a language only is being taught at the department but they found a lot more than simply teaching of a language.
 - They also stressed upon the need for developing linkages of students and faculty members with French universities by creating multiple opportunities to excel in this field.
 - They highlighted the fact that almost 600 Pakistani students are studying in French universities which clearly indicates the interest of Pakistani student in France and French language. Therefore, France cannot ignore this region and is willing to facilitate Pakistani students for higher education in France. They were very keen to collaborate with the French department in different domains considering the latest international trends
 - This visit was organised by the HEC in connection with the celebration of "French Day" during the month of March. The main objective of this visit was to promote awareness of French Higher Education System and Academic collaboration at institutional level among Pakistani and French universities. The prospects of doctoral and post-doctoral fellowships besides joint research collaboration through PERIDOT program were also shared. This program is fully funded by HEC and the French government.
 - The foreign team left with a firm commitment to strengthen mutual academic collaboration between the two sides.
- **Funding grants for R&D**
- Research proposal by Dr. Saleha Nazeer was approved by the PU Research Committee to work on the project to develop "A Manual of French Grammar & Syntax – for Pakistani learners": *Manuel de la langue française – pour des apprenants pakistanais*, as a useful reference book for the Students and Teachers of French language.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Research Journals**
- Journal of Gender and Development
Started in 2006. Working to bring it in streamline. The back issues will be published in this year.



DEPARTMENT OF POLITICAL SCIENCE

○ **Projects: Completed**

Sr. No.	Name of Faculty Member	Titled of Project	Funded By	Year of Completion
1	Prof. Dr. Umbreen Javaid	"Exposing and enlightening the threats and implications of militant extremism: taking the youth community on board in countering terrorism"	Higher Education Commission (HEC)	2017
2	Prof. Dr. Umbreen Javaid	"Reassessing the Narratives Rancor in South Asia"	Punjab University	2017

○ **Research Publications**

Books

Sr. No.	Name	Details of Books
1	Dr. Iram Khalid	"Insurgency-counter insurgency challenge to state security stability prosperity" Peace publication Lahore, 2016
2	Dr. Iram Khalid	"Revisiting Pakistan's National security Dilemma" Peace Publication Lahore, 2016.
3	Dr. Rehana Saeed Hashmi	"Politics of Ethnicity in Pakistan issues of National Integration" Peace publication Lahore, 2017.

▪ Prof. Dr. Umbreen Javaid

- "AKP and the Idea of the Turkish Model (2002-2014): A Longitudinal Analysis" by Dr. Fatima Sajjad & Dr. Umbreen Javaid, IPRI, Vol. 31, No. 2, 2016 (HEC recognized Category "X").
- "Chinese Foreign Policy and the Middle East" by Mir Waheed & Dr. Umbreen Javaid, Journal of South Asian Studies, Vol. 31, No. 2, 2016.
- "China Central Asia Relations and opportunities for Pakistan" by Dr. Umbreen Javaid & Azhar Rashid, Journal of South Asian Studies, Vol. 31, No. 2, 2016 (HEC recognized Category "X").
- "China's Interests and Challenges in South Asia" Journal of South Asian Studies, Vol. 31, No. 2, 2016 (HEC recognized Category "X").
- "Extremism in Contemporary Pakistan: Threats, Causes and Future Policy" by Saqib Khan & Dr. Umbreen Javaid, Journal of South Asian Studies, Vol. 31, No. 2, 2016 (HEC recognized Category "X").



- “Growing Geo-economic and Geo-Strategic Interests of India in Afghanistan: Implications for Pakistan” Dr. Umbreen Javaid & Tehmina Aslam, Journal of Political Studies, Vol. 23, No. 2, 2016 (HEC recognized Category “X”).
- “Pakistan Fights Militant Extremism [Operation Zarb-i-Azb] and the Challenges of Internally Displaced Persons: a Threat to Human Security” by Dr. Umbreen Javaid, Journal of Political Studies, Vol. 23, No. 2, 2016
- “Development of Shipping Sector in Pakistan: Options and Proposed Strategy” by S.M. Shehzad & Dr. Umbreen Javaid, Journal of Political Studies, Vol. 23, No. 2, 2016 (HEC recognized Category “X”).
- “Assessing CPEC: Potential Threats and Prospects” by Dr. Umbreen Javaid, Journal of Research Society of Pakistan, University of the Punjab, Lahore Vol. 53, No. 2, 2016 (HEC recognized “X”).
- “The Agra Summit: A Critical Appraisals” by Dr. Umbreen Javaid & Khushboojaz, Journal of Punjab University Historical Society, Vol. 30, No. 1, 2017 (HEC recognized “Y”).
- “Feudalism in Pakistan: myth or reality/Challenges to Feudalism” by Dr. Umbreen Javaid & Tehmina Aslam, Journal of Research Society of Pakistan, Vol. 54, No.1. 2017.
- “Historical Analysis of Political Governments of Pakistan: A History of First Six Decades (1947-2007)” by Dr. Umbreen Javaid & AmirLatif, Pakistan Vision, vol. 18, No. 1, (2017) University of the Punjab, Lahore.
- Prof. Dr. Iram Khalid
 - Pakistan’s Military Operations: the Counter terrorism Strategy
 - (2001-2013) Prospects and Implications, Journal of Research Society of Pakistan, Vol. 53, No.2. 2016.
 - Interests of the Governments regarding decentralization in Pakistan and its drawbacks. Journal of Political Science GC University Lahore Vol. XXXIII, 2016.
 - Water Scarcity- A Major Human Security Challenge To Pakistan, Journal of South Asian Studies, Vol. 31, No. 2, 2016 (HEC recognized Category “X”).
 - The Politics of Interdependence: A Case of China-Pakistan Economic Corridor, Journal of South Asian Studies, Vol. 31, No. 2, 2016 (HEC recognized Category “X”).
 - Loopholes in Public Policy Making-A Case Study of Pakistan, Journal of Political Studies, Vol. 23, No. 2, 2016 (HEC recognized Category “X”).
 - Role of Academic Institutions in Counterterrorism: Instituting Personnel Reliability Programs (PRP), Journal of Political Science GC University Lahore Vol. XXXIV, 2016.
 - China’s One Belt One Road Initiative: Towards Mutual Peace & Development, Journal of Research Society of Pakistan, University of the Punjab, Lahore Vol. 54, No. 1, 2016 (HEC recognized “X”).
 - Major Trends and Policies in Pakistan’s Energy Sector Management, Journal of Political Studies, Vol. 24, No. 1, 2017 (HEC recognized Category “X”).



- United Kingdom's Foreign Policy towards Syrian Refugees, Journal of Political Studies, Vol. 24, No. 1, 2017 (HEC recognized Category "X").
- Nuclear Terrorism in South Asia: Potential Threats/Challenges and Options: Post 9/11 Analysis, Journal of South Asian Studies, Vol. 32, No. 1, 2017 (HEC recognized Category "X").
- Rana Eijaz Ahmad
 - Abida Eijaz, Rana Eijaz Ahmad, Bushra H. Rahman, Spinning Peace Negotiations: Pakistan-Taliban Peace Deals in the International Media, in Journal of Political Studies, University of the Punjab. Vol. 23(2) 2016.
 - Nabila Akbar, Rana Eijaz Ahmad. (2016), Glocalization of Politics in South Asia and Central Asia, 2012-2016 in Journal of Political Studies, University of the Punjab. Vol. 23(2) 2016.
- Dr. Rehana Saeed Hashmi
 - Economic Security: Challenges and Options for Pakistan, Journal of Political Studies, Vol.24, No.01, Summer 2017
 - Kashmir Conflict: The Nationalistic Perspective (A Pre Partition Phenomenon) Journal of South Asian Studies Vol.32, No.01 January- June 2017
- Dr. Mubeen Adnan

China-Pakistan Economic Corridor: A Road to Development and its Challenges" published in a Journal of South Asian Studies, Vol.31, No.2, 2016.
- Dr. Gulshan Majeed

Human Needs Theory: A Significant Approach to Manage Ethnic Conflicts in Pakistan, Journal of Political Studies, Vol.24, No.01, Summer 2017
- Ahmad Ali Navi

Unmanned Aerial Vehicles: A Revolution in the making, published in a Journal of South Asian Studies, Vol.31, No.2, 2016.
- **Seminars / Workshops / Lectures etc**
 - *National*
 - Organized the Research Methodology Training Workshop on "Social Research Methodology" in collaboration with Hannes Seidel Foundation, Islamabad by Dr. Jan-Peter Hartung, Research Fellow, Institute of Social & Cultural Anthropology, Gottingen University, Germany on 13th April, 2017.
 - Organized a seminar on "Pakistan-India Water Talks" by Mr. Ross Masud, Legal Advisor, Council for World Affairs, Pakistan on 27th April, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized a seminar on "The Image of the Muslims in Europe: A century of positive and negative stereotypes" by Mr. Slimane Zeghidour, Author, Journalist, Chief Editor and Diplomatic Columnist in the TV5 MONDE, the francophone international TV Chanel, France on 19th April, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.



- Organized the Research Methodology Training Workshop on “Research Design and Academic Writing” in collaboration with Hannes Seidel Foundation, Islamabad by Mr. Aftab Nasir from University of Bonn, Germany on 13th April, 2017.
- Organized a seminar on “Pakistan India Relations and their Impact on Asian Countries” by Mr. Shah Ghulam Qadir, Speaker, Legislative Assembly of Azad Kashmir on 28th February, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “Pakistan-India Relations and the Way Forward” by Mr. Sudheendra Kulkarni, Chairman of the Observer Research Foundation (ORF) Mumbai, a non-partisan public policy think tank. He is also Chairman of the Mahatma Gandhi Centre for Sanitation, Cleanliness and Community Health at the auditorium of the Centre on 15-02-2017 (Wednesday) at 11:00 a.m.
- Organized a seminar on “Youth of Pakistan & Radio” by Courage to Know Organization, Lahore on 13th February, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized walk on Kashmir Solidarity day on 8th February, 2017 in collaboration with the Centre for South Asian Studies.
- Organized and attended a seminar on “Study in France” by Mr. Sebastian Cartier, High Education Attaché in French Embassy, Islamabad on 2nd February, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “China Pakistan Economic Corridor”
- Organized a seminar on “Research Methodology: As part of research synopsis” by Prof. Dr. Kanwal Ameen, Chairperson, Department of library & Information Science on 5th January, 2016 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore
- Organized a seminar on “hosting a lecture on "Lost Heritage The Sikh Legacy in Pakistan” by Amardeep Singh, Singapore on 3rd January, 2017 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “Economic, Strategic and Environmental Consequences of Silk Roads” by Mr. Jean Francois DI MEGLIO, French Scholar and the President of Asia Centre (Paris-based Think Tank) on 19th December 2016 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “Pakistan-Afghanistan Relations and Stability in South Asian” by Dr. Marvin G. Weingaum, Professor Emeritus of Political Science, University of Illinois on 8th November, 2016 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “Cultural background of Political Conflicts in South Asia” by Prof. Dr. Pitor Balcerowicz an Orientalist, Philosopher & Professor at University of Warsaw, Poland on 1st November, 2016 in collaboration with Centre for South Asian Studies, University of the Punjab, Lahore.



- Organized a two day workshop on “Exposing and enlightening the threats and implications of militant extremism: taking the youth community on board in countering terrorism” by Prof. Dr. Umbreen Javaid, chairperson, Department of Political Science, University of the Punjab, Lahore.
 - Organized a National Conference on “Indian Atrocities in Kashmir: Regional and Global Implications” and presented a paper on “Repressive State Apparatus and Human Rights Violations in Indian held Kashmir by Modi Government” in Collaboration with Centre for South Asian Studies, University of the Punjab, Lahore on 5th – 6th October, 2016.
- **Research Journals**
- Department of Political Science successively publishing its Research journal “Journal of Political Studies” since 2000, HEC recognized in ‘X’ category.

RESEARCH COLLABORATION

○ **Funding Grants for R&D**

Sr. No.	Name of Faculty Member	Titled of Project	Funded By	Amount Rs.	Year of Completion
1	Prof. Dr. Umbreen Javaid	“Exposing and enlightening the threats and implications of militant extremism: taking the youth community on board in countering terrorism”	Higher Education Commission (HEC)	10,00,000	2017
2	Prof. Dr. Umbreen Javaid	“Reassessing the Narratives Rancor in South Asia”	Punjab University	450,000	2017

DEPARTMENT OF SOCIAL WORK

○ **Research and Development**

- Department Organized one day training session of the Trainees of Rural Development on “Rural Community Development Challenges / Strengths” in Nov 2016 in the Department of Social Work, University of the Punjab, Lahore.
- Department conducted a Program on “Iqbal’s Message for Youth” in the department of Social Work, University of the Punjab, Lahore on November 8, 2016.
- Department Organized a lecture on “Akhuwat-as a Community Development Model” in University of the Punjab, Lahore on November 16, 2016.



- Department organized 5 Days Workshop on “Action Research in Project Management” in Collaboration with Community World Service Asia (CWSA) from 23-27 January, 2017 in the Department of Social Work, University of the Punjab, Lahore.
- Department arranged a Consultative Sessions with the Students of M.Sc in Collaboration with Community World Service Asia (CWSA) on 10-02-2017 at the Department.
- Department arranged two sessions of Two days training of students of MSc on Human Rights in Collaboration with Community World Service Asia (CWSA) from 11-12 & 25-26 February 2017 at the Department.
- Department of Social Work organized Workshop on Research and Report writing Skills in Collaboration with Community World Service Asia (CWSA) from March 24 – 26, 2017 at the Department.
- Department arranged two days workshop on “NGO Management & Leadership in Collaboration with Community World Service Asia (CWSA) from 17-18 April, 2017 at the Department.

INSTITUTE OF COMMUNICATION STUDIES

○ **Completed Projects**

- A research Project on “Media Literacy and its Effect on Children Education and Social Behavior: Parents Response” funded by the Higher Education Commission (HEC) for the fiscal year 2016-17 submitted by Dr. Noshina Saleem
- A research Project on “Medias Role in Promotion of National Identity Pakistani Youth Perception 2017-18” funded by the University of the Punjab for the fiscal year 2017-18 (in-Progress) by Dr. Noshina Saleem

○ **Publications**

Dr. Noshina Saleem

- Media Representation of Women, Children and Minority Right: Pakistani Public Response published in Journal of Political Science, University of the Punjab, Summer 2017, Vol-24, Issue I, Page 33-51
- “An agent of Peace or War: A Study of The Economist, The Herald and The Time during American Operation in Pakistan” conferenced organized by Minhaj University on November 11-12, 2017.
- “Body Image Discrepancy and Surgical Concern: Thin Ideal Internationalization as mediator” will be publish in Journal of Behavioural Sciences (JBS), University of the Punjab in December issue, 2017.
- “Covering US Led Invasion of Afghanistan: A Comparative Analysis of the Treatment of the Economist, The Time and The Herald” will be publish in Journal of the Research Society of Pakistan (JRSP), University of the Punjab in December Issue, 2017.



Conferences/Workshops Organized

- Organized a workshop on “Publishing Research: from Inception to Completion” Dr. Bill Cilcock a representative of Arizona State University (ASU) at Faiz Ahmad Faiz Conference Room, Institute of Communication Studies, University of the Punjab on December 18, 2017.
- Organized a workshop on “Researching Social Media: Data and Methods” Dr. Dawn Rae Giplin a representative of Arizona State University (ASU) at Faiz Ahmad Faiz Conference Room, Institute of Communication Studies, University of the Punjab on December 19, 2017.
- Organized a workshop on “Navigating the Scholarly Publishing Landscape in Media & Communication” by Dr. Bill Cilcock and Dr. Dawn Rae Giplin representatives of Arizona State University (ASU) at Faiz Ahmad Faiz Conference Room, Institute of Communication Studies, University of the Punjab on December 20, 2017.
- **Research Journals**
Biannual Journal of Media Studies

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Publications**
 - Research Papers Published in International Peer-reviewed Impact-Factor Journals
 - Dr. Zakria Zakar
 - Factors Associated with Infants and Young Children’s (6-23 months) Dietary Diversity in Pakistan: Evidence from the Demographic and Health Survey 2012-13. Nutrition Journal. 2017; 16 (1), 78.
 - Assessing the Patient Safety Culture and Ward Error Reporting in Public Sector Hospitals of Pakistan. Safety in Health. 2017; 3 (1), 10.
 - Under -Five Child Mortality and Morbidity Associated with Consanguineous Child Marriage in Pakistan: Retrospective Analysis Using Pakistan Demographic and Health Surveys, 1990-91, 2006-07 2012-13. Maternal and Child Health Journal. 2017;21(5), 1095-1104
 - Perceptions of Adolescents’ Sexual and Reproductive Health and Rights: A Cross Sectional Study in Lahore District, Pakistan. BMC International Health and Human Rights. 2017 17(1), 5.
 - Continuum of Care in Maternal, Newborn and child Health in Pakistan: analysis of Trends and Determinants from 2006 to 2012. BMC health Services Research. 2017; 17(1),189.
 - Patient Satisfaction with Doctor-Patient Interactions: A Mixed Methods Study among Diabetes Mellitus Patients in Pakistan. BMC Health Services Research 2017;17,155.
 - Prevalence of spousal violence and associated risk factors; Facts from Pakistan Demographics and Health Survey 2012-13. Journal of Family Violence. 2017: 32, 711-719. DOI: 101007/s 10896-017-9915-6.



- Dr. Rubeena Zakar
 - Assessing the Patient Safety Culture and Ward Error Reporting in Public Sector Hospitals of Pakistan. *Safety in Health*. 2017; 3 (1), 10.
 - Perceptions of Adolescents' Sexual and Reproductive Health and Rights: A Cross Sectional Study in Lahore District, Pakistan. *BMC International Health and Human Rights*. 2017 17(1), 5.
 - Prevalence of spousal violence and associated risk factors; Facts from Pakistan Demographics and Health Survey 2012-13. *Journal of Family Violence*. 2017: 32, 711-719. DOI: 101007/s 10896-017-9915-6.
 - Continuum of Care in Maternal, Newborn and child Health in Pakistan: analysis of Trends and Determinants from 2006 to 2012. *BMC health Services Research*. 2017; 17(1),189.
 - Under -Five Child Mortality and Morbidity Associated with Consanguineous Child Marriage in Pakistan: Retrospective Analysis Using Pakistan Demographic and Health Surveys, 1990-91, 2006-07 2012-13. *Maternal and Child Health Journal*. 2017;21(5), 1095-1104
 - Patient Satisfaction with Doctor-Patient Interactions: A Mixed Methods Study among Diabetes Mellitus Patients in Pakistan. *BMC Health Services Research* 2017;17,155
 - Men and Women's Perceptions of Justifications of Wife Beating: Evidence from Pakistan Demographic and Health Survey 2012-13. *Journals of Family Violence*. 1-10.
- Publications in international peer-reviewed/HEC recognized journals
 - Zakar Muhammad Zakria
 - Factors Associated with Infants and Young Children's (6-23 months) Dietary Diversity in Pakistan: Evidence from the Demographic and Health Survey 2012-13. *Nutrition Journal*. 2017; 16 (1), 78.
 - Assessing the Patient Safety Culture and Ward Error Reporting in Public Sector Hospitals of Pakistan. *Safety in Health*. 2017; 3 (1), 10.
 - Under -Five Child Mortality and Morbidity Associated with Consanguineous Child Marriage in Pakistan: Retrospective Analysis Using Pakistan Demographic and Health Surveys, 1990-91, 2006-07 2012-13. *Maternal and Child Health Journal*. 2017;21(5), 1095-1104
 - Perceptions of Adolescents' Sexual and Reproductive Health and Rights: A Cross Sectional Study in Lahore District, Pakistan. *BMC International Health and Human Rights*. 2017 17(1), 5.
 - Continuum of Care in Maternal, Newborn and child Health in Pakistan: analysis of Trends and Determinants from 2006 to 2012. *BMC health Services Research*. 2017; 17(1),189.



- Patient Satisfaction with Doctor-Patient Interactions: A Mixed Methods Study among Diabetes Mellitus Patients in Pakistan. BMC Health Services Research 2017;17,155.
- Prevalence of spousal violence and associated risk factors; Facts from Pakistan Demographics and Health Survey 2012-13. Journal of Family Violence. 2017: 32, 711-719. DOI: 101007/s 10896-017-9915-6.
- Rubina Zakar
 - Assessing the Patient Safety Culture and Ward Error Reporting in Public Sector Hospitals of Pakistan. Safety in Health. 2017; 3 (1), 10.
 - Perceptions of Adolescents' Sexual and Reproductive Health and Rights: A Cross Sectional Study in Lahore District, Pakistan. BMC International Health and Human Rights. 2017 17(1), 5.
 - Prevalence of spousal violence and associated risk factors; Facts from Pakistan Demographics and Health Survey 2012-13. Journal of Family Violence. 2017: 32, 711-719. DOI: 101007/s 10896-017-9915-6.
 - Continuum of Care in Maternal, Newborn and child Health in Pakistan: analysis of Trends and Determinants from 2006 to 2012. BMC health Services Research. 2017; 17(1),189.
 - Under -Five Child Mortality and Morbidity Associated with Consanguineous Child Marriage in Pakistan: Retrospective Analysis Using Pakistan Demographic and Health Surveys, 1990-91, 2006-07 2012-13. Maternal and Child Health Journal. 2017;21(5), 1095-1104
 - Patient Satisfaction with Doctor-Patient Interactions: A Mixed Methods Study among Diabetes Mellitus Patients in Pakistan. BMC Health Services Research 2017;17,155
 - Men and Women's Perceptions of Justifications of Wife Beating: Evidence from Pakistan Demographic and Health Survey 2012-13. Journals of Family Violence. 1-10.
- **Conferences, Seminars, Papers Presented and Workshops**

At the ISCS

 - A seminar was organized in ISCS on "Creating Peace and Tolerance by Countering Militancy" held on 5th May.
 - A Seminar was organized in ISCS on "Women empowerment with youth Delegation from Malaysia held on 24th May.
 - An interactive session was organized in ISCS with the Professor Peter Hllward on "Will of the people and its role in Life" held on 17 October.
 - An interactive session was organized in ISCS with the Byron Gray on "A Conversation on Anthropology in South Asia" held on 5th December.
 - A Workshop was organized at ISCS titled "Global Challenges in Development 2017". Guest Speaker: Ms. Lea Swanson. Provisional Director USAID on. (Dec 6, 2017)



- A Seminar held in collaboration with NAB on Awareness on Anticorruption held on 14th December in ISCS.

Research Collaboration

- **Foreign and Indigenous linkages**

A joint research program among University of the Punjab, University of Karachi and Bielefeld University, Germany, titled 'Violence Research and Development'. In this regard four researchers were selected from all over Pakistan.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

- **R&D – An Overview**

We do not have any Institutionalized Arrangement for R&D. However, research backed teaching is being undertaken by us by distributing the articles published in Research Journals pertaining to our discipline.

- **Publications**

Research Papers: Published in Foreign/Pakistani Journals by Prof. Dr. Mubbsher Munawar Khan

- Khan, M. M., & Ahmad, S. A. (2016, Dec). Moderation of online consumers' review on relationship between perceived risk and consumers' unwillingness to buy home appliances online. *Paradigms*, 10(2), 26-42.
- Khan, M. M., & Hashmi, H. B. A. (2016, Dec). Impact of interactivity of electronic word of mouth systems and website quality on customer e-loyalty Pakistan. *Journal of Commerce and Social Sciences*, 10(3), 486-505.
- Latif, T., & Khan, M. M. (2016, Dec). Consumers' purchase intentions towards global brands: Psychological underpinnings. *Abasyn Journal of Social Sciences*, 9(2), 309-328.
- Khan, M. M., & Usman, M. (2016, Dec). Corporate social responsibility: An illusion or reality - A case study of Islamic banks in Pakistan. *Journal of Islamic Business & Management*, 6(2), 179-190.
- Khan, M. M., & Latif, T. (2016, Dec). Why all innovations are not a breakthrough. *Journal of Quality and Technology Management*, 12(2), 129-149.

Conferences papers by Prof. Dr. Mubbsher Munawar Khan

- Khan, M. M., & Mansoor, M. (2017, Feb). Impact of Indian celebrity endorsements on Pakistani consumers' perception. *Abstract Proceedings of Australia and New Zealand International Business Academy (ANZIBA) Conference, Adelaide, South Australia, February 15-17, 2017*, p. 27.
- Khan, M. M., & Nazir, W. (2017, May). Customer satisfaction of Islamic banking customers - Empirical evidence from Islamic banks in Pakistan. *Proceedings of the 8th Global Islamic Marketing Conference – Advances in Islamic Business (ISBN: 978-1-5272-0250-4), Alanya, Turkey, May 3-5, 2017*, pp. 262-269.



Workshops/Seminars//Forums/Symposium by Prof. Dr. Mubbsher Munawar Khan

- Hamdard Thinkers' Forum: (Preparation of National Budget Year 2016-2017) قومی بجٹ 2017-2016 کی تیاری, organized by Hamdard Laboratories (Waqf) Pakistan, Lahore, March 30, 2016.
- Attended a Talk on Halal Food Industry – Management and Opportunities, at Center for Applied Policy Research in Livestock (CAPRIL), UVAS Business School, University of Veterinary and Animal Sciences (UVAS), Lahore, Pakistan, September 28, 2016.
- Attended a Lecture on National Macroeconomic Management and Role of Provinces organized by Punjab Economic Research Institute, Planning and Development Department, Government of the Punjab, September 26, 2017
- Attended Punjab Economic Forum, organized by Punjab Economic Research Institute, Planning and Development Department, in collaboration with the Urban Unit, Government of the Punjab, April 3-4, 2017
- Hamdard Thinkers' Forum: (National Budget Year 2017-2018 – Determination of Priorities), قومی بجٹ 2017-18 – ترجیحات کا تعین, organized by Hamdard Laboratories (Waqf) Pakistan, Lahore, April 5, 2017
- Attended a Provincial Workshop on Prioritization of Sustainable Development Goals (SDGs) for Punjab, organized by Planning & Development Department, Government of the Punjab, Lahore, Pakistan, December 19, 2016
- Attended a Talk on Halal Food Industry – Management and Opportunities, at Center for Applied Policy Research in Livestock (CAPRIL), UVAS Business School, University of Veterinary and Animal Sciences (UVAS), Lahore, Pakistan, September 28, 2016
- Hamdard Thinkers' Forum: (Preparation of National Budget Year 2016-2017) قومی بجٹ 2017-2016 کی تیاری, organized by Hamdard Laboratories (Waqf) Pakistan, Lahore, March 30, 2016

Research Papers/Articles/Publications by Dr. Talat Islam

- Haroon ur Rashid Khan, Anwar Khan, Khalid Zaman, Agha Ahmad Nabi, Sanil H. Hishan and Talat Islam
Gender discrimination in education, health, and labour market: a voice for equality. *Quality & Quantity*, 51 (5), 2245-2266. (Springer, Impact Factor, 1.094). 2017
- Khalid Zaman , Mitwali Abd-el. Moemen and Talat Islam
Dynamic Linkages between Tourism Transportation Expenditures, Carbon dioxide emission, Energy Consumption, and Growth Factors: Evidence from the Transition Economies. *Current Issues in Tourism*, 20 (16), 1720-1735. (Taylor & Francis, Impact Factor, 2.451) 2017
- Haroon UR Rashid Khan, Khalid Zaman, Anwar Khan and Talat Islam
Quadrilateral Relationship Between Information and Communications Technology, Patent Applications, Research and Development Expenditures, and Growth Factors: Evidence from the Group of Seven (G-7) Countries. *Social Indicators Research*. 133 (3), 1165-1191. (Springer, Impact Factor, 1.743). 2017



- Muhammad Khalid Khan, Ishfaq Ahmed and Talat Islam
Readability and understandability: A look at mission statement of selected Asian companies. *Journal of Research Society of Pakistan*, 54 (2), 123-135. (HEC X Category). 2017
- Muhammad Khalid Khan, Ishfaq Ahmed and Talat Islam
Readability of mission statements: A look at fortune 500. *Journal of quality and technology management*, 13(1), 1-14. (June HEC X Category). 2017
- Rashid Ahmad, Talat Islam, Shahzadi Saima Saleem
Employee engagement, organizational commitment and job satisfaction as consequent of perceived CSR: A mediation model. *Journal of Research Society of Pakistan*, 54(1), 153-167. (June HEC X Category) 2017
- Talat Islam, Mubbsher Munawar Khan, Fauzia Naheed Khawaja and Zulfqar Ahmad
Nurses Reciprocation of Perceived Organizational Support: Moderating Role of Psychological Contract Breach. *International Journal of Human Rights in Health Care*, 10 (2), 123-131. (Emerald Publishing Group, ISI & Scopus Indexed) 2017
- Talat Islam, Ishfaq Ahmed, Ghulam Ali and Tahreem Sadiq
Behavioral and Psychological Consequences of Corporate Social Responsibility: Need of the Time. *Social Responsibility Journal*, 12(2), 307-320. (Emerald Publishing Group, ISI & Scopus Indexed) 2016
- Talat Islam, Mubbsher Munawar Khan and Fida Hussain Bukhari
The role of organizational learning culture and psychological empowerment in reducing turnover intention and enhancing citizenship behavior. *The Learning Organization*, 23 (2/3), 156-169. (Emerald Publishing Group, ISI & Scopus Indexed) 2016
- Khalid Zaman, Talat Islam, Zulkanain Abdul Rahman, Amer Saifude Ghazali, Saddam Hussain and Muhammad Imran Malik
European Countries Trapped in Food Poverty and Inequality: Agricultural Sustainability is the Promising Solution. *Social Indicators Research*, 129 (1), 181-194 (Springer, Impact Factor, 1.395). 2016
- Ishfaq Ahmed, Talat Islam, Ghulam Ali and Muhammad Musarrat Nawaz
Pillion riders' cloth related injuries and helmet wearing patterns: a study of Lahore, Pakistan. *International Journal of Injury Control and Safety Promotion*, 23(4), 388-394. (Taylor & Francis, Impact Factor, 0.888).
- Khalid Zaman, Usama Awan, Talat Islam, Royahata Paidi, Asmadi Hassan and Alias bin Abdullah
Econometric applications for measuring the environmental impacts of biofuel production in the panel of worlds' largest region. *International Journal of Hydrogen Energy*, 41(7), 4305-4325. (Elsevier, Impact Factor, 3.313). 2016
- Ziang Zou, Muhammad Azam, Talat Islam, and Khalid Zaman
Environment and air pollution like gun and bullet for low income countries: War for better health and wealth. *Environmental Science and Pollution Research*, 23, 3641-3657. (Springer, Impact Factor, 2.828). 2016



Research Papers/Articles/Journals/Publications Sh. Usman Yousaf

- Halal Assurance System: Positioning of Food Safety and Assuring Halal Standards, Jihat Al-Islam (Y Category), June 2017
 - Staff Development Supervision Practices of Principals and its Effects on Teachers' Work Performance and Teachers' Growth in Primary Schools of Pakistan Bulletin of Education and Research (Y Category) June 2017
 - Exploring the Causes of Stress and Coping with it amongst Doctoral Level Students: Highlighting the Importance of Information Collection and Management Pakistan Journal of Information Management & Libraries (Y Category) 2016
 - Satisfaction of Goals Attainment and Intention to Restructure among Malaysian SME Entrepreneurs Journal of Entrepreneurship and Business 2016
 - The Goal Attainment and Future Direction of Business among SME Entrepreneurs Acta Universitatis Danubius. Economica 2016
 - Entrepreneur's Intention to Invest in the Current Business: An Empirical Study of Malaysian SME Entrepreneur's, GEOGRAFIA: Malaysian Journal of Society and Space 2016
- **Conferences, Seminars and Workshops etc:**
- "The Influence of psychological Capital on the Growth Intentions of Entrepreneurs: A Study on Malaysian SME Entrepreneurs. Presented in 2nd International Conference on Business Management – ICOBM (2017)"
 - "Mediating Effects of Organizational Citizenship Behavior on the Relationship between Perceived Organizational Support and Job Performance". Presented in the Conference on Banking, Insurance and Business Management - CBIBM (2016)
- **Research Collaboration**
- The Principal HCBF Prof. Dr. Mubbsher Munawar Khan has interactive International Linkages which will be transmitted to Institutional linkages.

HAILEY COLLEGE OF COMMERCE

○ **Publications**

Name of Faculty member	Title of Research paper	Publishing Journal	Vol	HEC Recog
Dr. Hassan Mobeen Alam	Intellectual Capital and organizational performance: Mediating Role of Entrepreneurial Orientation in SME's Sector of Pakistan	Mang. Research & Emerging Science	5(1)	HEC Recognised
Dr. Hafiz Zafar Ahmad	Review of proposed opportunities and significance in the Global studies Association 2016	9 -11 June 2016 University of Texas Austin		



Dr. Ishfaq Ahamd	Organizational justice, counterproductive work behaviour and turnover intentions relation: mediation by Dehumanization and moderation by gender	Journal of Commerce, Economics, and Social Sciences	Vol. 10, No. 2	HEC Recognized
Dr. Ishfaq Ahmad	An exploration of students' knowledge and understanding of Istihalah	Journal of Islamic Marketing	Vol. 7 Iss 2 pp. 213 - 231	HEC Recognized
Dr. Ishfaq Ahmad	Behavioral and Psychological Consequences of Corporate Social Responsibility: Need of the Time	Social Responsibility Journal	12(2), 307-320	
Dr. Ishfaq Ahmad	An exploration of students' knowledge and understanding of Istihalah.	Journal of Islamic Marketing	7(2),	
Dr. Ishfaq Ahmad	Aspirations of an Islamic Bank: An Exploration from Stakeholders' Perspective	Islamic & Middle Eastern Finance and Management	9(1), 24-45	
Dr. Ishfaq Ahmad	Behavioral and psychological consequences of corporate social responsibility: need of the time	Social Responsibility Journal,	Vol. 12 Iss 2 pp. 228-246	HEC Recognized
Dr. Ch. Abdul Khalid	Gender Differences of Social Networking in SME's ;An Explanatory study of Pakistan	Management Research	3 (9)	other
Dr. Ch. Abdul Khalid	Intellectual Capital and organizational performance: Mediating Role of Entrepreneurial Orientation in SME's Sector of Pakistan	Mang. Research & Emerging Science	5(1)	HEC Recognised
Dr. Ch. Abdul Khalid	The Impact of perceived leadership behaviour on organizational Commitment of Employees in the Education Sector of Pakistan	Natural and Social Sciences	In press	HEC Recognised



Dr. Rizwan Qaiser Danish	Core Self-Evaluation, Mediator For Improved Work Performance Through Employee Engagement: Evidence From Health Sector In Punjab, Pakistan	The Science International	28(3) 3157-3161	
Dr. Rizwan Qaiser Danish	Impact of Intellectual Capital on Organizational Creativity Through Technical Innovation in Telecom Sector	Journal of Statistics	23	(HEC Recognised)
Dr. Rizwan Qaiser Danish	Impact of Advertisement on Customer Satisfaction in Telecom Sector of Pakistan	Journal of Statistics	23	HEC Recognised
Dr. Rizwan Qaiser Danish	Objectives of Islamic banks: a missive from mission statements and stakeholders' perceptions	Journal of Islamic Accounting and Business Research	ABDC, ISI indexed	HEC Recognised
Dr. Rizwan Qaiser Danish	Impact Of Talent Management Dimensions On Innovative Work Behavior: Mediation Of Organizational Learning, in press	The Science International	28(2)	HEC Recognised
Dr. Rizwan Qaiser Danish	The effect of social relationships on the innovative behaviour of employees mediated by psychological wellbeing in pharmaceutical industry of Pakistan	European online Journal of Natural and Social Sciences	5(2),	HEC Recognised
Dr. Muqaddas Rehman	Intellectual Capital and organizational performance: Mediating Role of Entrepreneurial Orientation in SME's Sector of Pakistan	Mang. Research & Emerging Science	5(1)	HEC Recognised
Lubna Uzair	Determinants of consumer satisfaction at super markets: An empirical study from Pakistan	Science International Lahore	28(1)	



- **Research Journals**
Research Journal of Commerce
Hailey College Published Annual Journal Al-Iqtisad
- **Research Collaboration:** Funding Grants for R&D
HEC and University of the Punjab

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Publications**
 - **Mumtaz Anwar, Ghulam Shabbir & Shahid Adil** (2016). Corruption, Political stability and Economic Growth, *Pakistan Development Review*, Vol. 55(4) PP 689-702, Dec 2016.
 - **Kalsoom Zulfiqar**, M. Aslam Chaudhary & A. Aribah (2016)
“Financial Inclusion and its implications for Inclusive growth in Pakistan” 2016. *Pakistan Economic and Social Review*, Volume 54, No. 2 (Winter 2016), pp. 297-325
 - **Kalsoom Zulfiqar & Sarah Akhtar** (2016)
“Youth Unemployment and Immigration: A case study of Ontario” 2016. *Canadian Social Science*. Vol. 12, No. 5
 - **Hafeez ur Rehman**, Wasim ul Rehman, and Hafiz Ghulam Mujaddad (2016)
Level of Intellectual Capital Disclosure Across Indian and Pakistani Companies. *Pakistan Economic and Social Review* Volume 54, No. 1 (Summer 2016), pp. 81-96
 - **Hafeez ur Rehman** (2016)
Comparative Analysis of the Socio-Economic Determinants of Foreign Direct Investment: Evidence from Pakistan. *Pakistan Economic and Social Review*, 2016 PESR Volume 54 No.2 PP255-274
 - **Muhammad Azmat Hayat**, Muhammad Nadeem,
Dilemma of Alliances in Afghan Wars and its Impact on Crimes in Pakistan. *Journal of Applied Environmental and Biological Sciences*, 2016 6(4S), pp. 107-116
 - **Muhammad Azmat Hayat**, Etienne Farvaque, and Alexander Mihailov
Who supports the ECB? Evidence from Eurobarometer survey data. *The World Economy (forthcoming)*, 2016
 - **Muhammad Azmat Hayat** and Hafsah Qadeer
Size and Impact of Fiscal Multipliers: An Analysis of selected South Asian Countries. *Pakistan Economic and Social Review*, 2016 Volume 54 (2)
 - **Muhammad Azmat Hayat**, Atif Khan Jadoon and Abdul Rauf Butt
Development of Measurement Models for Globalization, Consumption Patterns and Culture: A Case Study of Three Big Cities of Punjab, Pakistan, *Pakistan Economic and Social Review*, 2016 Volume 54(2)



- **Nabila Asghar**, Shazia Qureshi and Muhammad Nadeem
Effects of socio-economic and political factors on the crime rate in Pakistan. *Journal of Political Studies*, Volume 23, Issue 1, pp.
- **Nabila Asghar** and Muhammad Nadeem
An empirical investigation of saving behaviour in Pakistan. *Pakistan Economic and Social Review*, Volume 54, No. 1 (Summer), pp. 55-72.
- **Nabila Asghar**, Hafeez ur Rehman and Muhammad Nadeem
Sorting out synergy among inequality, redistribution and economic growth: recent evidence from selected Asian countries. *Journal of Quality and Technology Management*, Volume XII, Issue I, pp. 173-192.
- Muhammad Nadeem, **Nabila Asghar** and Hafeez ur Rehman
- The role of institutional quality in enhancing social cohesion. *South Asian Studies* (A Research Journal of South Asian Studies), Volume 31, Issue 2, pp. 199-214
- **Nabila Asghar**, Hafeez ur Rehman and Muhammad Nadeem
Interrelationship between Foreign Aid, Fiscal Decentralization and Economic Growth in Pakistan: An Econometric Analysis. *Journal of Political Studies*, Volume 23, Issue 2, pp.525-536
- **Amjad Ali**, Marc Audi
The Impact of Income Inequality, Environmental Degradation and Globalization on Life Expectancy in Pakistan: An Empirical Analysis. *International Journal of Economics and Empirical Research*: **2016**, 4 (4), 182-193
- **Amjad Ali**, Muhammad Shahbaz, Nanthakumar Loganathan, Nooreen Mujahid, and Ahmed Nawaz
Determinants of Life Expectancy and its Prospects under the Role of Economic Misery: A Case of Pakistan. *Social Indicators Research*: **2016**, 126(3), 1299-1316.
- **Amjad Ali**, Marc Audi
A Causality and Co-integration Analysis of Some Selected Socio-Economic Determinants of Fertility: Empirics from Tunisia. *Bulletin of Business and Economics*: **2016**, 5 (1), 20-36
- **Amjad Ali**, Muhammad Shahbaz
Measuring Economic Cost of Electricity Shortage: Current Challenges and Future Prospects in Pakistan. *Bulletin of Energy Economics*: **2016**, 4 (3), 211-223.
- **Amjad Ali**, Khalil Ahmad
Rising Population and Food Insecurity Linkages in Pakistan: Testing Malthusian Population Growth Theory. *International Journal of Economics and Empirical Research*: **2016**, 4 (1), 1-8
- **Atif Khan Jadoon**, Abdul Rauf Butt and Muhammad Azmat Hayat
Development of Measurement Models for Globalization, Consumption Patterns and Culture: A Case Study of Three Big Cities of Punjab, Pakistan. *Pakistan Economic and Social Review*, 2016 Volume 54(2)



- **Wasim ul Rehman**, Hafeez ur Rehman and Hafiz Ghulam Mujaddad
Level of Intellectual Capital Disclosure Across Indian and Pakistani Companies. *Pakistan Economic and Social Review* 2016 Volume 54, No. 1 (Summer 2016), pp. 81-96
- **Mushtaq Hassan**, Sidra Nasreem, and Tayyeb Ali Khan
Effectiveness of E-Recruitment in Small and Medium Enterprises of IT Industry of Lahore (Pakistan). *Pakistan Economic and Social Review*, Volume 54, No. 1, pp. 143-164
- **Muhammad Nadeem**
The Role of Institutional Quality in Enhancing Social Cohesion. *A Research Journal of South Asian Studies* Vol. 31, No. 2, July – December 2016, pp.199 – 214
- **Muhammad Nadeem**
Sorting out Synergy among; Inequality, Redistribution and Economic Growth: Recent Evidence from selected Asian Countries. *Journal of Quality and Technology Management* Vol. XII No.1, pp.173-192
- **Muhammad Nadeem**
Interrelationship between Foreign Aid, Fiscal Decentralization & Economic Growth in Pakistan: An Econometric Analysis. *Journal of Political Studies*. Vol. 23 no.2 2016, pp 525-540
- **Muhammad Nadeem**, Muhammad Azmat Hayat and Muhammad Arslan Iqbal
- Dilemma of Alliances in Afghan Wars and its impact on crimes in Pakistan. *Journal of Applied Environmental and Biological Sciences* Vol.6 no.4S, 2016, pp 107-116
- **Muhammad Nadeem**
Socio Economic Determinants of Tax Revenue in Pakistan: An Empirical Analysis. *Journal of Applied Environmental and Biological Sciences* Vol.6 no.2S, 2016, pp 32-42
- **Muhammad Nadeem**
An empirical investigation of saving behavior in Pakistan. *Pakistan Economic and Social Review*, Volume 54, No. 1 (Summer 2016), pp. 55-72
- **Muhammad Nadeem**
Effects of Socio-Economic and Political Factors on Crime Rate in Pakistan. *Journal of Political Studies*, Vol. 23, Issue - 1, 2016, pp 183:206
- **Conferences, Seminars and Workshops, etc.**
 - China Pakistan Economic Corridor (CEC): Its Strategic Importance and Implications
 - Natural Resources of Pakistan: Debate on Existing Conditions and Future Prospects
 - Agricultural Income Tax in Pakistan
 - Data Collection Methods by using Geographical Information System
 - Oxfam Campaign of Fair Tax Gender Nexus under National Tax Justice Youth Film Festival
 - Economics and Competition Law under Competition Commission of Pakistan
 - Trade Liberalization and Fiscal Management of Pakistan
 - How to conduct an Empirical Research?



- Pre Budget Seminar 2017
- Prices of Food-Grains and Farm Inputs in Pakistan: Empirical Analysis of Farmers' Incentives and Terms of Trade; 1995-2015
- How to make cities more Competitive? Pakistan' Perspective
- Role of Tazkia and Islamic Economics, Finance, and Accounting in Today's World
- Capacity Building for Sustainable Human Development: A Panel Data Analysis

DEPARTMENT OF INFORMATION MANAGEMENT

○ **R&D-An Overview**

Department of Information Management published its HEC recognized annual Pakistan Journal of Information Management & Libraries (PJIM & L) and the faculty's research got published in national and international journals.

○ **Publications**

- Prof. Dr. Kanwal Ameen
 - Rafiq, Mohammad, Ameen, Kanwal & Jabeen, Munazza. (2017). Barriers to digitization in university libraries of Pakistan: A developing country's perspective. *The Electronic Library*. (IF)
 - Ameen, Kanwal. (2017). Practices of Quality and Trustworthiness in Scholarly Communication: A Case from Pakistan. *Learned Publishing*, doi: 10.1002/leap.1094. (IF)
 - Muhammad Asif Naveed & Kanwal Ameen (2017). A cross-cultural evaluation of the psychometric properties of Information Seeking Anxiety Scale in Pakistani environment. *Malaysian Journal of Library and Information Science*. (IF)
 - Muhammad Asif Naveed & Kanwal Ameen. (2017). Determining the prevalence and correlates of information seeking anxiety among postgraduates in Pakistan. *Libri: International Journal of Libraries and Information Services*. 2017, 67, (IF)
 - Arif, M., Ameen, Kanwal & Rafiq, M. (2017). Assessing Distance Education Students Satisfaction with Web-based Services: A Pakistani's Perspective. *Online Information Review* 41 (2), 1-15 (IF)
 - Arshad, Alia, & Ameen, Kanwal. (2017) Scholarly communication in the age of Google: Exploring academics' use patterns of e-journals at the University of the Punjab. *The Electronic Library*. IF
 - Sajjad Ahmad, Kanwal Ameen & Midrar Ullah (2017). Modes of Soft Skills Learning: A case of University Information Professionals in Pakistan. *Library Review*, Vol. 66 Issue: 8/9, pp.711-725, <https://doi.org/10.1108/LR-04-2017-0037>
 - Waqar Ahmad, Kanwal Ameen (2017). Defining big data and measuring its associated trends in the field of information and library management", *Library Hi Tech News*, Vol. 34 Issue: 9, pp.21-24, <https://doi.org/10.1108/LHTN-05-2017-0035>
 - Arif, M., Ameen, K., & Rafiq, M. (2017). AIOU Web Based Services Usage: Distance Learners' Perspective. *Pakistan Library and Information Science Journal*, 48 (1) 15-22.



- Malik, Amara & Ameen, Kanwal. (2017). Library/Information Education Programs in Pakistan: A Comparison with IFLA Guidelines. *Library Review*.
- Prof. Dr. Khalid Mahmood
 - Khan, A., Masrek, M. N., Mahmood, K., & Qutab, S. (2017). Factors influencing the adoption of digital reference service among university librarians in Pakistan. *The Electronic Library*, 35(6), 1225-1246. (IF)
 - Mahmood, K. (2017). A systematic review of evidence on psychometric properties of information literacy tests. *Library Review*, 66(6/7), 442-455.
 - Mahmood, K. (2017). Reliability and validity of self-efficacy scales assessing students' information literacy skills: A systematic review. *The Electronic Library*, 35(5), 1035-1051. (IF)
 - Shah, S. R., Mahmood, K., & Hameed, A. (2017). Review of Google Scholar, Web of Science, and Scopus search results: The case of inclusive education research. *Library Philosophy and Practice (e-journal)*, 1544..
 - Shehatta, I., & Mahmood, K. (2017). Bibliometric patterns and indicators of research collaboration of Egyptian health scientists: 1980 – 2014. *Malaysian Journal of Library & Information Science*, 22(2), 45-65. (IF)
 - Mahmood, K. (2017). Correlation between perception-based journal rankings and the Journal Impact Factor (JIF): A systematic review and meta-analysis. *Serials Review*, 43(2), 120-129. (IF)
 - Ahmad, S., Mahmood, K., Ismail, M., & Ahmad, S. (2017). Knowledge sharing through Web 2.0 technologies: A study of community of practice of librarians. *PUTAJ – Humanities and Social Sciences*, 25(1-2), 113-131.
 - Hussain, A., Mahmood, K., & Soroya, M. S. (2017). Resource sharing among information professionals: An exploratory study of pre-requisites. *Pakistan Library and Information Science Journal*, 48(3), 44-48.
- Dr. Muhammad Rafiq
 - Rasheed, M. A. & Rafiq, M. (2017). New trends and practices for digital reference service (DRS): A survey in the university libraries of Punjab. *Pakistan Library and Information Science Journal*, 48(4), 44-55.
 - Khan, M. T., & Rafiq, M. (2017). International Accreditation of Pakistani Master in Library and Information Science (MLISc) in Context of American Library Association (ALA). *Pakistan Library and Information Science Journal*, 48(3), 59-70.
 - Jabeen, M., Imran, M., Badar, K., Rafiq, M., Jabeen, M., & Yun, L., (2017) Scientific collaboration of Library & Information Science research in China (2012-2013). *Malaysian Journal of Library & Information Science*, 22(2), 67-83. (IF) <https://jice.um.edu.my/index.php/MJLIS/article/view/3740>
 - Arif, M., Ameen, K., & Rafiq, M. (2017). AIU Web Based Services Usage: Distance Learners' Perspective. *Pakistan Library and Information Science Journal*, 48(1), 15-22.



- Arif, M. Ameen, K. and Rafiq, M. (2017). Assessing Distance Education Students Satisfaction with Web-based Services: a Pakistani's Perspective. *Online Information Review*, 41(2). (IF)
- Rafiq, M., Jabeen, M., & Arif, M. (2017). Continuing Education (CE) of LIS Professionals: Need Analysis & Role of LIS Schools. *The Journal of Academic Librarianship*, 43(1), 25-33. DOI: <http://dx.doi.org/10.1016/j.acalib.2016.10.004> (IF)
- Dr. Nosheen Fatima Warraich
 - Warraich, N. F., & Ameen, K. (2017). Managing the Personnel in University Libraries: A Developing Country Perspective. *International information & library review*, 49(2), 139-144.
 - Jan, S. U., Anwar, M. A., & Warraich, N. F. (2017). Emotional Intelligence and Academic Anxieties: A Literature Review. *New Review of Academic Librarianship*, 23(1), 6-17
 - Altaf, A. & Warraich, N. F., (2017). Awareness and Use of Electronic information Resources by University Students in Pakistan. *Pakistan Journal of Library and Information Science*, 48(4), 14-25.
- Dr. Saira Hanif Soroya
 - Hussain, Sumaira & Soroya, Saira Hanif. (2017). Exploring the Factors Affecting Job Satisfaction of Paraprofessional Staff Working in University Libraries of Pakistan. *Library Review*. 66 (3).
 - Soroya, Saira Hanif & Kanwal Ameen. (2017). Application of Marketing Approach in Academic Libraries: An Exploratory Study of Punjab University Libraries (PULs). *Pakistan Journal of Library and Information Science* 44(4 December). 48(3)
- Dr. Syeda Hina Batool
 - Batool, S.H. & Webber, S. (2017). Conceptions of school libraries and the role of school librarians: findings from case studies of primary schools in Lahore. *Information Research*, 22(1). Retrieved from <http://www.informationr.net/ir/22-1/colis/colis1606.html>
 - Batool, S.H. (2016). Participative management practices in the university libraries of Punjab (Pakistan). Perceptions of senior librarians. *Pakistan Journal of Information Management & Libraries*, 18(2).
- Dr. Alia Arshad

Arshad, A., & Ameen, K. (2017). Scholarly communication in the age of Google: Exploring academics' use patterns of E-journals at the University of the Punjab. *The Electronic Library*, 35(1), 167-184. (IF)
- Ms. Amara Malik

Malik, A., & Ameen, K. (2017). Library/Information Education Programs in Pakistan: A Comparison with IFLA Guidelines. *Library Review*, 66(4/5).



Awards and Grants

- Prof. Kanwal Ameen got PU travel grant in 2017 to present her paper in an international conference organized by IFLA
- Dr. M. Rafiq got Full-bright scholarship for Postdoc at The State University of New York at Buffalo in 2017.
- Dr. Nosheen Fatima got PU travel grant to present her paper in an international conference (ASIST&T) held at Crystal 2017.
- Dr. Syeda Hina Batool got a travel grant from HEC to present conference papers at ECIL in 2017.
- Dr. Saira Soroya and Kanwal Ameen's paper got first position in an international paper competition organized by ASIST&T in USA in 2017.
- Dr. Nosheen Fatima's paper got third position in the same competition in 2017.
- **Conferences, Seminars and Workshops**
 - Department successfully conducted a workshop for current PhD and MPhil students on "Exploring Exclusive Features of Nvivo 11 Software"
 - A one day workshop entitled "Exploring e-Library USA Resources" was organized by Department of Information Management University of the Punjab, Lahore on 07 April, 2016. The workshop was specifically designed for the current enrolled Research Scholars (2015-17) of DoIM, PU to make them aware and enable them to make extensive use of the e-Library USA resources for their research work
 - A one day workshop was organized by the department on "Developing an Effective Research Proposal" on 12-09-17

Faculty and Research Students Participation in International Conferences

Participation in Conferences, 2017

- Paper presented at ECIL (conference) held in Prague, 18-21 September, 2017:
- Soroya, Saira & Ameen, Kanwal: Dr. Kanwal served as a Co-Chair, Visual Presentations and Member, Program Committee for 80th Annual Conference of 'Association for Information Science & Technology', (ASIS&T), USA held in October 27 to Nov.1, 2017, Washington, DC.
- Rafiq, Muhammad & Ameen, Kanwal: "Research Data Literacy and Management Skills of Pakistani Researchers" in European Conference on Information Literacy in Saint-Malo, France from 18.09.2017 to 21.09.2017.
- Batool, Hina & Malik, Amara & Ameen, Kanwal: "Graduates on Placement: Perceptions about Effectiveness and Learned Professional Skills" in World Library and Information Congress 83rd IFLA General Conference and Assembly in Wroclaw, Poland, 19-25th August 2017.
- Dr. Syeda Hina Batool & Sheila Webber Perceived Information Literacy Skills among LIS Students Enrolled in Public Sector Universities of Pakistan
- Prof. Dr. Kanwal Ameen & Muhammad Rafiq: Research Data Literacy and Management Skills of Pakistani Researchers



- Alia Arshad, Kanwal Ameen: Scholarly Information Seeking Patterns of Academic Engineers and Technologists
- Soroya, Saira Hanif & Ameen, K. (2017). Subject-Based Reading Behavior Differences of Young Adults under Emerging Digital Paradigms. Poster presented at ASIS&T Annual Conference 2017. Washington
- Soroya, Shaihd, Hashmi, Aamir & Soroya, Saira Hanif. (2017). Status of Academic Integrity in Pakistan: An Overview. Paper presented at International Conference on “Plagiarism across Europe and Beyond 2017” held on May 24-26, 017 at Brno, Czech Republic.
- Shazia Yaseen and Nosheen Fatima Warriach (2017) Personal Information Management Practices by Engineering Faculty Members: A Case from Pakistan. Paper presented at International Conference, ALIEP, Thailand.
- Nadia Butt and Nosheen Fatima Warriach (2017). Assessment of E-government services website: A case of Punjab web portal. Paper presented at International Conference, ALIEP, Thailand.
- Muhammad Zahid Raza and Nosheen Fatima Warriach (2017). Impact of Semantic Web Technologies on digital collection of libraries. Paper presented at International Conference, ALIEP, Thailand.

As Invited Speaker: Prof. Dr. KanwalAmeen

- Invited as guest in two workshops organized by H.E.J. Research Institute of Chemistry, University of Karachi on “Finding Scholarly Literature and Using it Ethically” and Isra University, Hyderabad on “HEC National Digital Library and Information Literacy Instruction Skills for Information Professionals” from 28th to 30th December 2017 at Hyderabad campus.
- Delivered a lecture as Resource Person on “Identifying and reviewing information; publishing in Higher Education Commission Journals” in the Institute of Administrative Science, University of the Punjab, Lahore on a New Faculty Orientation Program on 09.05.2017.
- A lecture on “Me, Book and Life” delivered at COMSATS as Invited Speaker on the event of World Book & Copyright Day on 24.04.2017.
- Writing Research Methodology in a Proposal. A workshop to Faculty and research students of the Political Science and Centre for South Asian Studies, PU, 5 Jan, 2017
- Scientific Research and Researcher’s Perspective. Presentation to the delegation of ISI officers on training on 7 October, 2016 at PU.
- Three presentation at a City School’s special one week training of their librarians.
- Digital Era: School Libraries and Librarians ii) Creating a vibrant school library environment iii) Values, soft skills and personal grooming from 22-26 August, 2016.
- Gave a presentation on ‘Need and importance of referencing and citations in research: why and how?’ at Information Technology University, 19 May, 2016.
- A presentation on “An overview of Qualitative Research” at a workshop on Qualitative Data Analysis organized by the Institute of Applied Psychology, PU for their MPhil classes.



INSTITUTE OF ADMINISTRATIVE SCIENCES

Research & Development

Maintaining its sound track record, Institute of Administrative Sciences made immense contribution in the existing body of literature. In addition to these literary contributions, the faculty members of IAS were also awarded research project grants to accomplish their academic research interests. The details of its research publications along with the author and journal name are mentioned below.

Sr. No	Author	Title	Journal Name	Year
1.	Dr. Dr. Nasira Jabeen	Urbanization in Pakistan: A governance perspective	Journal of Research Society of Pakistan	2017
2.	Dr. Dr. Nasira Jabeen	Towards understanding relational aspects of inter organizational collaboration	Pakistan Economic and social review	2017
3.	Dr. Nasira Jabeen	Spiritual leadership in organizational context	Journal of South Asian Studies	2017
4.	Dr. Nasir Dr. Nasira Jabeen,	Inside state enterprise: Symbolic Compliance to modern HRM as a response to contradictory institutional logic	Abasyn Journal of Social Science	2017
5.	Dr. Nasira Jabeen	Book Title: Gender and local governance in Pakistan, Women in governing institutions in South Asia	Book Chapter Gender and Local Governance in Pakistan	2017
6.	Dr. Nighat Ansari	Book Title: Gender and local governance in Pakistan, Women in governing institutions in South Asia	Book Chapter Gender and Local Governance in Pakistan	2017
7.	Dr. Nighat Ansari	Towards understanding relational aspects of inter organizational collaboration	Pakistan Economic and social review	2017
8	Dr. Nighat Ansari	Impact of Job stress on job performance	Governance and Management Review	2017
9	Dr. Nighat Ansari	The Effect of Financial Compensation perceived career progression on employee turnover intentions	Governance and Management Review	2017
10	Ms. Ume-Farwa	Urbanization in Pakistan: A governance perspective	Journal of Research Society of Pakistan	2017
11	Ms. Ume-Farwa	Spiritual leadership in organizational context	Journal of South Asian Studies	2017



12	Dr. Yamina Salman	Inside state enterprise: Symbolic Compliance to modern HRM as a response to contradictory institutional logic	Abasyn Journal of Social Science	2017
13	Dr. Yamina Salman	Spiritual leadership in organizational context	Journal of South Asian Studies	2017
14	Dr. Sidra Irfan	New development: Turning around failing schools-lessons from Lahore.	Public Money & Management	2017
15	Dr. Sidra Irfan	Spiritual leadership in organizational context	Journal of South Asian Studies	2017
16	Dr. Kashif Rathore	Trends of higher education among female students	Governance and Management Review	2017
17	Dr. Amani Moazzam	The Influence of participative Management on organizational commitment	Governance and Management Review	2017
18	Dr. Amani Moazzam	The effect of financial compensation and perceived career progression on employee turnover intentions	Governance and Management Review	2017
19	Dr. Nasira Jabeen,	Performance Management in Public Service: A case of civil service in Pakistan	South Asian <i>Studies</i>	2016
20	Dr. Nasira Jabeen,	Gender and perception of organizational Justice: A study of University of the Punjab	Alm e Niswan	2016
21	Dr. Nasira Jabeen,	Revisiting Public Policy Making Process and Strategies in Pakistan: A Governance Perspective	South Asian Studies	2016
22	Dr. Nasira Jabeen,	Respectable Femininity and Career Advancement: An Analysis of the Federal Civil Service of Pakistan	Journal of Social Science and Humanities	2016
23	Dr. Nasira Jabeen,	Recruitment and Selection Practices of Faculty in Higher Education Institutions of Pakistan: A Case of University of the Punjab	Journal of Research Society in Pakistan	2016
24	Dr. Nasira Jabeen,	Diversity Management: Towards a Theory of Gender Sensitive Practices	Bulletin of Education Research	2016
25	Dr. Nasira Jabeen,	Faculty Development Programs and Their Effect on Individual and Organizational Performance in Pakistan	Pakistan Vision	2016



26	Dr. Nasira Jabeen,	Academic elf concept and academic achievement among undergraduates in universities of Pakistan: A Gender perspective	The Sindh University Journal of Education	2016
27	Dr. Nasira Jabeen,	Female Expatriates and Cross Cultural Adjustment: A Study of Saudi Arabia	Alm-e-Niswan	2016
28	Dr. Nighat Ansari	Gender and perception of organizational Justice: A study of University of the Punjab	Alm-e-Niswan	2016
29	Dr. Nighat Ansari	Diversity Management: Towards a Theory of Gender Sensitive Practices	Bulletin of education research	2016
30	Dr. Nighat Ansari	Respectable Femininity and Career Advancement: An Analysis of the Federal Civil Service of Pakistan	Journal of Social Science and Humanities	2016
31	Dr. Nighat Ansari	Academic elf concept and academic achievement among undergraduates in universities of Pakistan: A Gender perspective	The Sindh University Journal of Education	2016
32	Dr. Nighat Ansari	Respectable femininity: A significant panel of glass ceiling for career women	Gender in Management: An international journal	2016
33	Dr. Amani Moazzam	Gender and perception of organizational Justice: A study of University of the Punjab	Alm-e-Niswan	2016
34	Dr. Amani Moazzam	Diversity Management: Towards a Theory of Gender Sensitive Practices	Bulletin of education research	2016
35	Dr. Amani Moazzam	Impact of Organizational Trust on Organizational justice and Organizational Commitment: A Case of University of Sargodha	Journal of Research Society in Pakistan	2016
36	Dr. Amani Moazzam	Respectable Femininity and Career Advancement: An Analysis of the Federal Civil Service of Pakistan	Journal of Social Science and Humanities	2016
37	Dr. Yaamina Salman	Revisiting Public Policy Making Process and Strategies in Pakistan: A Governance Perspective	South Asian Studies	2016



38	Dr. Yaamina Salman	Impact of Organizational Trust on Organizational justice and Organizational Commitment: A Case of University of Sargodha	Journal of Research Society in Pakistan	2016
39	Dr. Yaamina Salman	Diversity Management: Towards a Theory of Gender Sensitive Practices	Journal of Research Society in Pakistan	2016
40	Dr. Yaamina Salman	Gender and perception of organizational Justice: A study of University of the Punjab	Alm-e-Niswan	2016
41	Dr. Yaamina Salman	Female Expatriates and Cross Cultural Adjustment: A Study of Saudi Arabia	Alm-e-Niswan	2016
42	Dr. Sidra Irfan	Impact of Organizational Trust on Organizational justice and Organizational Commitment: A Case of University of Sargodha	Journal of Research Society in Pakistan	2016
43	Dr. Sidra Irfan	Debate: Using ideas from the West to improve education in Pakistan	Public Money & Management	2016
44	Umm-e-Farwa Mubabasher	Revisiting Public Policy Making Process and Strategies in Pakistan: A Governance Perspective	South Asian Studies	2016
45	Ayesha Hanif	Performance Management in Public Service: A case of civil service in Pakistan	South Asian Studies	2016
46	Urooj Qamar	Contextualizing Privatization in Pakistan: A case study of Pakistan Railway	Pakistan Vision	2016

INSTITUTE OF BUSINESS ADMINISTRATION

- **Projects:** Completed
 - Project titled “Virtual-Banking: The Customers’ Concerns of Security, Authenticity and Reliability” has been completed by Ms. Masooma Iftikhar, Lecturer –IBA through financial assistance from the University of the Punjab.
 - Project titled “An Empirical of Within-gender Different among Working Women in Pakistan” has been completed by Dr. Rafia Faiz, Assistant Professor-IBA through financial assistance from the University of the Punjab.
 - Project titled “Perception of Authentic Leadership and its impact on Employee Psychological Capital”, has been completed by Ms. Wajiha Kazim, Lecturer -IBA through financial assistance from the University of the Punjab



○ **Newly launched**

“Is REVA a better Predictor of Shareholders’ Value? A study of Pakistani Listed Cement Companies”, approved for financial assistance from the University of the Punjab by Mr. Yasir Ashraf, Lecturer -IBA.

○ **Publications**

- Dr. Humaira Asad, Assistant Professor-IBA, Dr. Rafia Faiz, Assistant Professor-IBA & Ms. Rabia Naseem (2017). Mediating effect of Ethical Climate between Organizational Virtuousness and Job Satisfaction, *Pakistan Journal of Commerce and Social Sciences*. 11(1):pp 35-48 (Recognized “Y” Category by HEC).
- Ms. Tahira Nisar, Lecturer-IBA (2017) Mediating Role of Organizational Ambidexterity in Relationship between Human Resource Practices and Perceived Organizational Performance, *Abasyn Journal of Social Sciences* (AIC 2016) Special Issue pp 137-148 (Recognized “X” Category by HEC).
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Haroon Ur Rashid Khan, Anwar Khan, Khalid Zaman, Agha Ahmad Nabi & Sanil S. Hishan (2017) Gender Discrimination in Education, Health, and Labour Market: A Voice for Equality, Quality & Quantity. 51(5): pp 2245–2266 (Impact Factor 1.094)
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Khalid Zaman & Mitwali Abd-el. Moemen (2017). Dynamic Linkages between Tourism Transportation Expenditures, Carbon dioxide emission, Energy Consumption, and Growth Factors: Evidence from the Transition Economies, *Current Issues in Tourism*. 20(16): pp 1720–1735 (Impact Factor 2.451)
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Haroon Ur Rashid Khan & Khalid Zaman (2017). Quadrilateral Relationship Between Information and Communications Technology, Patent Applications, Research and Development Expenditures, and Growth Factors: Evidence from the Group of Seven (G-7) Countries, *Social Indicators Research*. 133(3): pp 1165–1191 (Impact Factor 1.743)
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Muhammad Khalid Khan and Ishtiaq Ahmad (2017) Readability of Mission Statements: A look at Fortune 500, *Journal of Quality and Technology Management*, 13(1): pp 1–14 (Recognized “X” Category by HEC).
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Rashid Ahmad and Shahzadi Saima Saleem (2017) Employee Engagement, Organizational Commitment and Job Satisfaction as Consequent of Perceived CSR: A Mediation Model, *Journal of Research Society of Pakistan*, 54(1): pp 153–168 (Recognized “X” Category by HEC).
- Dr. Talat Islam-Assistant Professor (TTS)-IBA, Mubbsher Munawar Khan, Fauzia Naheed Khawaja, Zulfqar Ahmad (2017), Nurses Reciprocation of Perceived Organizational Support: Moderating Role of Psychological Contract Breach. *International Journal of Human Rights in Health Care*, 10(2): pp 123–131 (Recognized “X” Category by HEC).



- Dr. Rafia Faiz-Assistant Professor-IBA, Hassan, A., and Mirza, N.A. (2017) Gender, Generation and Transition Leadership: Towards a Conceptual Framework, *Global Management Journal of Social Sciences* 7(1): pp 48–60 (Recognized “Y” Category by HEC).
- Dr. Rafia Faiz-Assistant Professor-IBA, Malik, O.M., Sattar, A. and Shahzad, A. (2017). Personal Bullying and Nurses’ Turnover Intentions in Pakistan: A Mixed Methods Study. *Journal of Interpersonal Violence*. (1): online: July 26, 2017, <https://doi.org/10.1177/0886260517719903> (Impact Factor 1.940)
- Dr. Rafia Faiz-Assistant Professor-IBA, Bano, S. & Asif, A. (2017). Challenges Faced by Women Leaders in Pakistan. *Global Management Journal of Social Sciences*. 8(1): (Recognized “Y” Category by HEC).
- Dr. Rafia Faiz-Assistant Professor-IBA, Awan, M. H, Hayat, Z, and Ghufuran, B. (2017). An Evaluation of Investment Behavior of Individual Investors and its Impact on Investment Decision making. *UW journal of management sciences* 1(1): pp 28-41 (New journal/HEC not recognized).
- Dr. Humaira Asad-Assistant Professor-IBA, Khan, M.M. & Mehboob, I. (2017) Investigating the consumer behavior for halal endorsed products: Case of an emerging Muslim market, *Journal of Islamic Marketing*, 8(4), pp.625-641, (Impact Factor 1.490) <https://doi.org/10.1108/JIMA-09-2015-0068>
- Dr. Humaira Asad-Assistant Professor-IBA & Cheema, F. K. (2017). An Empirical Assessment of the Q-Factor Model: Evidence from the Karachi Stock Exchange, *The Lahore Journal of Economics*, 22(2):pp. 117–138 (HEC ‘X’ Category).
- Labiba Sheikh Asad-Assistant Professor-IBA (2017), Antecedents and Consequences of Organizational Commitment of Teachers: Case of University of the Punjab, Pakistan Economic and Social Review Volume 55, No. 2 (Winter 2017), pp. 363-386 (HEC ‘X’ Category).
- **Conferences, Seminars and Workshops, etc.**
 - Dr. Humaira Asad, Assistant Professor–IBA & Ms. Amna Chahal attended and presented a paper on “Consumer-brand relationship and Brand Evangelism in Pakistan” in the 4th International Conference on Contemporary Issues in Business Management, University of Central Punjab, Lahore Pakistan on 20-21 March 2017.
 - Dr. Humaira Asad, Assistant Professor–IBA & Ms. Sidra Nasir attended and presented a paper on “Perceived Women Empowerment and Islamic Microfinance” in the SEDC’s International Conference on Gender, Work and Society 2017 Lahore University of Management Sciences, Lahore Pakistan on 22-23 April 2017.
 - Dr. Rafia Faiz, Assistant Professor–IBA and Marium, A. attended and presented a paper on “Understanding employee turnover intentions through ethical leadership in Pakistan” in the in the 4th International Conference on Contemporary Issues in Business Management, University of Central Punjab, Lahore Pakistan on 20-21 March 2017.



- Dr. Rafia Faiz, Assistant Professor–IBA, Mukhtar, A. & Awan, S. H. attended and presented a paper on “Life course perspective to work-life interface of women entrepreneurs: A case study of Pakistani fashion designers” in the International conference on gender, work and society, Lahore University of Management Sciences, Lahore Pakistan on 22-23 April 2017.
- Dr. Rafia Faiz, Assistant Professor–IBA, Hussain, S. & Ali, F., attended and presented a paper on “Career experiences of employees on wheelchairs in Pakistan” in the 6th Asian Management Research and Case Conference 2017, "Emerging Business Trends in Asia", Lahore University of Management Sciences, Lahore Pakistan on 23 May 2017.
- Dr Rafia Faiz-Assistant Professor-IBA and Anam H attended and presented a paper on “Who has It Worse? Work-family Interface amongst Pakistani Women” in the European Academy of Management Conference (EURAM 2017), University of Glasgow, United Kingdom 21-24 June 2017.
- Dr. Rafia Faiz-Assistant Professor-IBA, Ijaz, Z. and Ali, F. attended and presented a paper on “Understanding career experiences of expatriates in Pakistan” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Rafia Faiz-Assistant Professor-IBA & Qaiser M. attended and presented a paper on “Engaging Millennials at workplace: A holistic perspective on employee wellness” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Rafia Faiz-Assistant Professor-IBA & Parveiz, A. attended and presented a paper on “Aesthetic Labour and Self-esteem for Employees in Aviation Industry” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Rafia Faiz-Assistant Professor-IBA & Faiz R. attended and presented a paper on “Reducing Turnover Intentions through Ethical Leadership in Service Industry of Pakistan.” in the 2nd International Conference Lahore Business School, University of Lahore, Pakistan on 19-21 October 2017.
- Dr. Humaira Asad, Assistant Professor–IBA, John Maloney & James Davidson attended and presented a paper on “Effective Financial Development and Poverty” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Humaira Asad, Assistant Professor–IBA & Hajira Liaquat attended and presented a paper on “Can Innovation Orientation Improve Operational Performance? An Empirical Investigation of Manufacturing Concerns in Pakistan” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.



- Dr. Humaira Asad, Assistant Professor–IBA & Aqsa Asif attended and presented a paper on “Consumer Purchase Intention toward Halal Cosmetics: An Empirical Investigation of a Muslim Society” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Humaira Asad, Assistant Professor–IBA & Sabrina Naz Qaiser attended and presented a paper on “Financing the Startups: An Application of Financial Growth Life Cycle Approach” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Humaira Asad, Assistant Professor–IBA & Memoona Shaheen attended and presented a paper on “Determinants of Behavioural Intentions of Small and Medium Enterprises towards Islamic Finance” in the 9th South Asian International Conference (SAICON 2017), COMSATS, Islamabad Pakistan on 23-25 August 2017.
- Dr. Humaira Asad, Assistant Professor–IBA & Hafiz Sharafat Ali attended and presented a paper on “Can teaching Islamic financing change the investment behavior? An experimental study” in the 2nd International Conference, Lahore Business School, University of Lahore, Lahore Pakistan on 19-21 October, 2017.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

- **Research Publications, Journals and Books published**
 - Sarwar, A., Afaf, G. (2016, September). A Comparison between Psychological and Economic Factors Affecting Individual Investor’s Decision Making Behavior. *Cogent Business and Management by Taylor & Francis Group*, 2016, 3(1):1232907
 - Sarwar, A., Saeed, S. (2016, September). Perception about Social and Financial Issues of Life after Retirement: A Case Study of Academic Staff of Public Sector Universities in Lahore. *Cogent Business and Management by Taylor & Francis Group*, (2016), 3(1), 1236432.
 - Sarwar, A., Butt, N. S., Ketyan, C. (2016). Use of e-Learning for Stress Management – Multi-group Moderation Analysis, *Pakistan Journal of Statistics and Operations Research (PJSOR)*; Vol. 12 No. 4, 2016, pp: 695-707.
 - Gull, S. (2017, January). *Collaborative Learning: An Action-Research Intervention to Induce Relational Space among Employees*. Paper presented at an International Conference on ‘Learning-Histories and Sustainable Societies’, Groningen, The Netherlands.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **Research and Development**

A Research Project for the year (2016-17) funded by University of the Punjab was awarded to Dr. Rukhsana Bashir, Dr. Samina Ashraf and Dr. Ghulam Fatima.



Detail of the research publications, research papers presented in national and international conferences, seminars, workshops attended by the faculty members is given as follows:

Dr. Humara Bano (Assistant Professor & Incharge)

- Publications: *Article published on*
 - “The Relationship among Organized Culture Leadership Behavior and Burnout of Special Education Teachers” in Research Journal “Mayar” ISSN: 2074-675X 2017. (Page : 74 English section) . HEC recognized journal “ X” category. International Islamic University , Islamabad.
 - “Utilization of ICT by Students with Visual Impairment” in Journal of Inclusive Education. Vol. 1, 2017 : ISSN-8999. Alama Iqbal Open University, Islamabad.
- Lectures Delivered at National Level
 - Delivered a lecture on “latest trends and development” in the field of Intellectually Challenged Students at Human Resource Development Directorate General Headquarters, Rawalpindi on 18-3-2017.
 - Delivered a lecture on Inclusive Education at Directorate of Staff Development on 07-4-2017
- Conferences/Seminars Organized/Arranged
 - Participated in international conference on "China-Pakistan Economic Corridor (CPEC): Political, economic and social perspectives on September 11, 2017 organized by Department of History & Pakistan Studies, University of the Punjab, Lahore.
 - Participated in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
 - Attended lecture on “Ethical Guideline for Therapist working with Children with Learning Disabilities” on May 12, 2017 organized by Faculty of Medical and Dentistry, University of the Punjab, Lahore.
 - Participated in 6th Invention to Innovation Summit, 2017 on March 8-9, 2017 organized by Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.
 - Arranged and Participated in a one day Workshop on “Inclusion: Harmony Matters” on April 20, 2017 organized by Department of Special Education, University of the Punjab, Lahore in Collaboration with PIEP, Government of the Punjab, Lahore.
 - Participated in seminar on “Consultative Seminar on Inclusive Pedagogy” on April 03, 2017 organized by Department of Special Needs Education, University of Management & Technology and Rising Sun Education & Welfare Society, Lahore in Collaboration with Department of Special Education, Government of the Punjab.
 - Participated in 5th International conference in March, 2017 organized by University of Education, Lahore, Pakistan.



- Participated in consultative discussion on “Barriers of inclusions in Pakistan” on January 31, 2017 organized by Ghazali Education Trust, Lahore.
- Attended a seminar on “Rainwater Harvesting and Advance Technologies arranged by College of Earth & Environmental Sciences on Jan,18.2017. Dr. Fritz Poerschke was the keynote speaker.
- Attended first international conference on ECCE in Pakistan held from March 27-28, 2017 arranged by AIU, Islamabad.
- Participation in Provincial Conference on Inclusive Education” at Rising Sun Institute for Special Children on Jan.28, 2017 and talked about way forward-inclusive education in Punjab.
- Attended a Policy Dialogue on Disabilities and Inclusive Education: Case of Punjab held at Children Library Complex arranged by ASER Pakistan held on February 2, 2017.

Dr. Rukhsana Bashir (Assistant Professor)

- Research and Publication
 - Published a paper as principle author “Library resources for persons with special needs: A quantitative analysis” in Bulletin of Education and Research, Volume 39, No 2, pp 215-22, Institute of Education and Research, August, 2017, University of the Punjab, Lahore, Pakistan.
 - Published a paper as principle author “A Study of Current Practices used for Educating the Children with Autism” in Pakistan Journal of Special Education, Volume 17, December, 2016. ISSN. 2250-1665. Department of Special Education, University of Karachi.
 - Published a paper as co-author “Difficulties Posed by Disability on the Acquisition of Higher Education in Inclusive Setting by Physically Challenged Students” in Pakistan Journal of Special Education, Volume 17, December, 2016. ISSN. 2250-1665. Department of Special Education, University of Karachi.
 - Published a paper as co-author “Access to Library Facilities by Students with Visual Impairment” in Pakistan Library and Information Science Journal” Volume 47, No 4. December,2016. Library Information Bureau, Karachi.
- Participation in Workshops
 - Participated in consultative workshop on “Inclusion: Harmony Matters” on April 20, 2017 organized Department of Special Education, University of the Punjab, Lahore in collaboration with Punjab Inclusive Education Project, Government of the Punjab.
- International Conference-Paper Presented
 - Presented a paper on “Library Resources for Persons with Special Needs: A Quantitative Analysis” in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, Bahauddin Zakaria University Multan, Pakistan.



- Presented a paper on “Role of Teacher in Career Counselling of Students at Higher Education Level” in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, Bahauddin Zakaria University Multan, Pakistan
- Paper Presented in National Conferences
 - Presented paper on “The Importance of Sign Language Interpreters at Higher Education for Students with Hearing Impairment” in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
 - Presented paper on “Reasons behind poor Reading and Writing Skills of Deaf Students” in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
- Lectures Delivered

Delivered lecture on “Differentiated Curriculum and Instructions” in consultative seminar on inclusive pedagogy on April 3, 2017 organized by Department of Special Needs Education, University of Management & Technology, Lahore.
- Conferences/Seminars attended
 - Participated in international conference on "China-Pakistan Economic Corridor (CPEC): Political, economic and social perspectives on September 11, 2017 organized by Department of History & Pakistan Studies, University of the Punjab, Lahore.
 - Participated in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
 - Attended lecture on “Ethical Guideline for Therapist working with Children with Learning Disabilities” on May 12, 2017 organized by Faculty of Medical and Dentistry, University of the Punjab, Lahore.
 - Participated in 6th Invention to Innovation Summit, 2017 on March 8-9, 2017 organized by Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.
 - Participated in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, Bahauddin Zakaria University Multan, Pakistan.
 - Participated in seminar on “Inclusion: Harmony Matters” on April 20, 2017 organized by Department of Special Education, University of the Punjab, Lahore in Collaboration with Government of the Punjab.
 - Participated in seminar on “Consultative Seminar on Inclusive Pedagogy” on April 03, 2017 organized by Department of Special Needs Education, University of Management & Technology and Rising Sun Education & Welfare Society, Lahore in Collaboration with Department of Special Education, Government of the Punjab.
 - Participated in 5th international conference in March, 2017 organized by University of Education, Lahore, Pakistan.



- Participated in consultative discussion on “Barriers of inclusions in Pakistan” on January 31, 2017 organized by Ghazali Education Trust, Lahore.

Dr. Hina Fazil (Assistant Professor)

▪ Research and Publication

Published a paper as principle author “Library resources for persons with special needs: A quantitative analysis” in Bulletin of Education and Research, Volume 39, No 2, pp 215-22, Institute of Education and Research, University of the Punjab, Lahore, Pakistan.

▪ International Conference-Paper Presented

- Presented a paper on “Library Resources for Persons with Special Needs: A Quantitative Analysis” in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, Bahauddin Zakaria University Multan, Pakistan.
- Presented a paper on “Role of Teacher in Career Counselling of Students at Higher Education Level” in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, Bahauddin Zakaria University Multan, Pakistan.

▪ Paper Presented in National Conferences

- Presented paper on “The Importance of Sign Language Interpreters at Higher Education for Students with Hearing Impairment” in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
- Presented paper on “Reasons behind poor Reading and Writing Skills of Deaf Students” in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.

▪ Lectures Delivered

Delivered lecture on “Differentiated Curriculum and Instructions” in consultative seminar on inclusive pedagogy on April 03, 2017 organized by Department of Special Needs Education, University of Management & Technology, Lahore.

▪ Conferences/Seminars attended

- Participated in international conference on "China-Pakistan Economic Corridor (CPEC): Political, economic and social perspectives on September 11, 2017 organized by Department of History & Pakistan Studies, University of the Punjab, Lahore.
- Participated in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
- Attended lecture on “Ethical Guideline for Therapist working with Children with Learning Disabilities” on May 12, 2017 organized by Faculty of Medical and Dentistry, University of the Punjab, Lahore.



- Participated in 6th Invention to Innovation Summit, 2017 on March 8-9, 2017 organized by Institute of Chemical Engineering and Technology, University of the Punjab, Lahore.
- Participated in 2nd International Research Conference on Economics Business and Social Sciences with theme China – Pakistan Economic Corridor on April 17-18, 2017 organized by School of Economics, BahauddinZakaria University Multan, Pakistan.
- Participated in seminar on “Inclusion: Harmony Matters” on April 20, 2017 organized by Department of Special Education, University of the Punjab, Lahore in Collaboration with Government of the Punjab.
- Participated in seminar on “Consultative Seminar on Inclusive Pedagogy” on April 03, 2017 organized by Department of Special Needs Education, University of Management & Technology and Rising Sun Education & Welfare Society, Lahore in Collaboration with Department of Special Education, Government of the Punjab.
- Participated in 5th international conference in March, 2017 organized by University of Education, Lahore, Pakistan.
- Participated in consultative discussion on “Barriers of inclusions in Pakistan” on January 31, 2017 organized by Ghazali Education Trust, Lahore.

Dr. Ghulam Fatima (Assistant Professor)

▪ Publications

- Published a paper as principal author titled “Difficulties Posed by Disability on the Acquisition of Higher Education in Inclusive Setting by Physically Challenged Students” in Pakistan Journal of Special Education, V.17, 2016, published by Department of Special Education, University of Karachi.
- Published a paper titled “Physical and Professional Facilities for Students with Special Needs in Government Special Education Education Centers in Punjab, Pakistan” in Pakistan Journal of Special Education, V.17, 2016, published by Department of Special Education, University of Karachi.
- Published a paper as co-author titled “ Library Resources for Persons with Special Needs: A Quantitative Analysis” in Bulletin of Education and Research, V. 39, No. 01, June, 2017, published by Institute of Education and Research, University of the Punjab, Lahore-Pakistan.
- Published a paper as co-author titled “Role of Female Teachers in Developing Awareness and Controlling Deviance among Secondary School Students in Public and Private Sector in” in Journal of Education and Humanities, Vol. 04, No.02, 2017, Institute of Education and Research, Authors: Dr. Misbah Malik, Dr. Ghulam Fatima, Mrs. SadiaWaseem,University of Balochistan, Quetta.

▪ International Conferences Attended & Papers Presented

- Presented a paper titled “Scrutinizing the Role of Student Unions for Students with Hearing Impairment” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Ambreen Bashir, Dr. Ghulam Fatima, Maria Mushtaq, Amna Azka, Muhammad Atif*).



- Presented a poster titled “Emotional Reactions of People towards Persons with Disabilities: A Quantitative Exploration” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Sadaf Aslam, Ayesha Shafique, Dr. Ghulam Fatima, Dr. Humara Bano*).
- Presented a poster titled “The Role of Social Media in Reducing Communication Gap between Students with Hearing Impairment and Students” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Ali Irfan, Dr. Ghulam Fatima, Amna Azka, Maria Mushtaq, Ambreen Bashir, Muhammad Atif*).
- Presented a paper titled “Effect of Self-regulatory Strategies on Mathematical Achievements of Students with Hearing Impairment” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Afif Aldrees, Dr. Ghulam Fatima, Dr. Misbah Malik*).
- Presented a paper titled “Relationship of Teachers' Empowerment and Organizational Commitment at Secondary School Level in Punjab” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Noor Muhammad, Dr. Abid Hussain Ch., Dr. Ghulam Fatima, Sajid Mahmood Sajid*).
- Presented a paper titled “Professional Practices and Perspectives in Psychological Management of Disability and Effectiveness of Measures” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Dr. Muhammad Yousuf Sharjeel, Dr. Humaira Aziz, Dr. Ghulam Fatima*).
- Presented a poster titled “Problems Faced by Children with Physical Impairment in Preschool” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Tahira Ghaffoor, Aliya Nawaz, Zil-e-Huma, Dr. Ghulam Fatima*).
- Presented a paper titled “Analyzing performance of student Unions for Students with Visual Impairment” at the 4th International Conference on Research in Education held on November 23-25, 2016 at Institute of Education and Research, University of the Punjab, Lahore-Pakistan (*Amna Azka, Dr. Ghulam Fatima, Maria Mushtaq, Ambreen Bashir, Muhammad Atif*).
- Presented a paper titled “Evaluation of Early Childhood Special Education Program at the Outcome Phase: A Stake's Countenance Model Perspective” at the 15th Annual Hawaii International Conference on Education on January 03-06, 2017 in Honolulu, Hawaii, USA (*Ghulam Fatima, Misbah Malik, Abid Hussain Ch.*).



- Presented a paper titled “E-Learning: Students' Perspectives about Asynchronous and Synchronous Resources at Higher Education Level” at the 15th Annual Hawaii International Conference on Education on January 03-06, 2017 in Honolulu, Hawaii, USA (Misbah Malik, Ghulam Fatima, Abid Hussain Ch., Ayesha Sarwar).
- Presented a paper titled “A correlational Study of Secondary School Students' Socio Economic Status, Mathematics Self-concept and Achievement Goal Orientation” at the 15th Annual Hawaii International Conference on Education on January 03-06, 2017 in Honolulu, Hawaii, USA (Abid Hussain Ch., Misbah Malik, Ghulam Fatima).
- Presented a paper as principal author titled “ *China–Pak Economic Corridor: Role of Teachers in Career Counseling of Students at Higher Education Level*” at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, Bahauddin Zakariya University Multan Pakistan. (Authors: Dr. Ghulam Fatima, Dr. Misbah Malik, Dr. Rukhsana Bashir)
- Presented a paper as author titled “ *Identification of University Students' Awareness of and Motivation for the Prevailing Opportunities in China –Pak Economic Corridor*” at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, Bahauddin Zakariya University Multan Pakistan. (Authors: Dr. Misbah Malik, Dr. Ghulam Fatima, Shadab Samar)
- Presented a paper as co-author titled “*Library Resources for Persons with Special Needs: A Quantitative Analysis*” at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, Bahauddin Zakariya University Multan Pakistan. (Authors: Dr. Rukhsana Bashir, Dr. Ghulam Fatima, Dr. Misbah Malik, Irfan Ali)
- Presented a paper as co-author titled “*Use of Information and Communication Technologies (ICTs) in Teaching to Students at the University Level*” at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, Bahauddin Zakariya University Multan Pakistan. (Authors: Dur-e-Nayab, Prof. Dr. Mumtaz Akhtar, Dr. Ghulam Fatima, Dr. Misbah Malik)



- Presented a paper as co-author titled *“Prevalence of Emotional Disturbance among Special Needs Children of Working and Non-Working Parents”* at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, Bahauddin Zakariya University Multan Pakistan. (Authors: Sana Qaisar, NuzhatBano, Dr. Ghulam Fatima, Iqra Ashraf, Dr. Misbah Malik, Tamhid Zahra)
- Presented a paper as co-author titled *“Problems faced by prospective teachers of special and general education during teaching practice: A qualitative and comparative investigation”* at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, BahauddinZakariya University Multan Pakistan. (Authors: Iqraashraf, Tamhid Zahra, Dr. Ghulam Fatima, Dr. Misbah Malik, Sana Qaisar, NuzhatBano)
- Presented a paper as co-author titled *“Relationship between maternal parenting style and moral development of secondary school students: A quantitative investigation”* at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, BahauddinZakariya University Multan Pakistan. (Authors:MahwishSafdar, Prof. Dr. Abid Hussain Ch., Dr. Ghulam Fatima, Dr. Misbah Malik)
- Presented a paper as co-author titled *“Presented a paper as co-author titled “Role of general and special education teachers in promoting research culture at university level: A comparative investigation”* at 2nd International Research Conference on Economics Business and Social Sciences with theme *Linking Business with People and Planet in Developing Economies; China-Pakistan Economic Corridor (CPEC): Opportunities and Challenges Ahead*, held on April 17-18, 2017 at School of Economics, BahauddinZakariya University Multan Pakistan.(Authors: Amna Azka, Dr. Ghulam Fatima, Dr. Misbah Malik)

Dr. Munawar Ahmed Malik (Assistant Professor)

- Published Papers
 - *ALIF_ A Strategy for Reading & Writing Development for Students with Hearing Impairment*, Pakistan Journal of Special Education, 2016.
 - *“Comparative effects of group and one to one speech and language therapy on language development of hearing impaired children”* (JRCRS) Vol 04, issue 02, July-Dec 2016, ISSN2226-9215



- *Seminars, Workshops & Conferences, Symposium, etc.*
 - Attended a seminar on “Differentiated instruction to accommodate students with special needs”, at UMT, March 17, 2017.
 - Lecture delivered at *PAF Teachers training college* on 6/5/2017 on the invite of group captain, officer commanding, ALD, PAF
 - Two day workshop at “Directorate of Staff Development” regarding “Early Childhood Education” in August 2017.
 - Attended workshop “Countering Violent Extremism Orientation”, organized by CHANGE, 12 September 2017.
 - Organized a workshop titled “Inclusion-Harmony Matters” on 20th. April 2017 at DSE in collaboration with PIEP, Government of Punjab.
 - One day workshop at Shalimar Special education about “time management”.
 - 3rd. March. “International day for Hearing”, organized by Park Medical College.
 - “Plan to Inclusivize”, one week training organized in Islamabad, by UNESCO Chair and Plan International Finland.
 - One day Seminar “C-PAK Economic Corridor” in Al-Razi Hall, organized by GOP

Dr. Maria Sohaib Qureshi (Assistant Professor)

- Publications: Article published on
Utilization of ICT by Students with Visual Impairment” in Journal of Inclusive Education. Vol.1, 2017 : ISSN-8999. Alama Iqbal Open University, Islamabad.
- Lectures Delivered at National Level
 - Delivered lectures on differentiated instruction, behavior management and teaching strategies for persons with disabilities organized by Human Resource Development Directorate General Headquarters, Rawalpindi in 2016 and 2017.
- Conferences/Seminars Organized/Arranged
 - Participated in Post-Graduation Conference on May 24, 2017 organized by Institute of Education & Research, University of the Punjab, Lahore.
 - Arranged and Participated in a one day Workshop on “Inclusion: Harmony Matters” on April 20, 2017 organized by Department of Special Education, University of the Punjab, Lahore in Collaboration with PIEP, Government of the Punjab, Lahore.
 - Participated in 5th International conference in March, 2017 organized by University of Education, Lahore, Pakistan.
 - Participated in consultative discussion on “Barriers of inclusions in Pakistan” on January 31, 2017 organized by Ghazali Education Trust, Lahore.



INSTITUTE OF EDUCATION & RESEARCH

▪ **Projects:** Newly launched

Name of Researcher /Sponsoring Agency	Title of Research Project	Status
Literacy and Non Formal Basic Education Department Govt. of Punjab	Taleem Sab Kay Liay	Completed
University of the Punjab	Prospective Teachers and Assessment of Learning	Completed
University of the Punjab	Multicultural Context and Classroom Environment: A Step for Learning Enhancement	In Progress
University of the Punjab	Alignment of Grade VIII Science and Mathematics National Curriculum with Corresponding Textbooks	In Progress
University of the Punjab	A Cross Sectional Study of Assessing Metacognitive Knowledge and Metacognitive Regulatory Skills among Prospective Teachers and its Relation to Academic Achievement	In Progress
University of the Punjab	Determining Mathematics Teacher's Subject Matter Knowledge at Middle Level,	In Progress
University of the Punjab	Prospective Teachers' Attitude Towards Teaching As a Profession.	In Progress
University of the Punjab	Industrial Revolution and Attitude of Prospective Supervisors	In Progress
University of the Punjab	A Study of Classify Diverse Learning Styles of Students at Post Graduate Level	In Progress
University of the Punjab	Exploring Connection between Student's Self Construction and Academic Performance at Undergraduate	In Progress
University of the Punjab	Challenges Facing by University Teachers about Improving Quality Teaching: An Empirical Investigation	In Progress
University of the Punjab	Development of Scale for Citizenship Behavior of the University Students Scale	In Progress
University of the Punjab	Impact of Using ICTs in Building the Scientific and Technical Concepts: A Study of Opinion of Teachers	In Progress
University of the Punjab	Relationship between Parenting Styles and Self Esteem of Graduate Students: a Case Study at University of the Punjab, Lahore Pakistan	In Progress
University of the Punjab	Impact of Motivation on Students academic Achievement at Elementary School Level	In Progress



○ **Publications**

Sr. No.	Name of Author	Title of Paper/Article
1	Prof. Dr. Rafaqat Ali Akbar	Critical Analysis of Life of Pakistani Women: Views of Educated Women, Journal of Elementary Education, Vol. 26, No. 1, 2016.
2	Prof. Dr. Rafaqat Ali Akbar	Attitudes and Practices of Secondary School Students about Information Communication Technology: A Comparison by Gender, Local and Subjects of Study. Journal of Educational Research. Vol. 19 No. 1
3	Prof. Dr. Rafaqat Ali Akbar	Capacity Building of School Councils: A Study of Government Primary Schools in District Bhakkar. Bulletin of Education and Research Vol. 39 No. 1
4	Prof. Dr. Rafaqat Ali Akbar	Comparison of Evaluation Methods of Teaching Practice of Formal and Non-Formal Teacher Education Institutions of Punjab. Bulletin of Education and Research Vol. 39 No. 1
5	Prof. Dr. Mumtaz Akhter	A Comparative Study on Prospective Teachers' Disposition about Instructional Planning and Strategies in Universities of Punjab. Bulletin of Education and Research Vol. 38 (2).
6	Prof. Dr. Mumtaz Akhter	Investigating the Effectiveness of Cooperative learning Method on Teaching of English Grammar. Bulletin of Education and Research Vol. 39 No. 1
7	Prof. Dr. Mumtaz Akhter	Teachers' Satisfaction Regarding Human Resource Management practices in Technical Institutions of Lahore. Bulletin of Education and Research Vol. 39 No. 2
8	Prof. Dr. Mumtaz Akhter Dr. Abdul Qayyum Ch. Dr. Tariq Hussain	A Study on Attitude towards Research among Technology Education Students in Pakistan. Bulletin of Education and Research Vol. 38 (2).
9	Prof. Dr. Abid Hussain Ch.	Test Anxiety and Self-Concept of University Students Enrolled in B Ed Honors Degree Program Funded by USAID. Bulletin of Education and Research Vol. 38 (2).
10	Dr. Abid Hussain Ch.	Strengths, Weaknesses, Opportunities and Threats: An Analysis of University of the Punjab. Bulletin of Education and Research Vol. 38 (2).



11	Dr. Abid Hussain Ch.	Secondary School Students' Socio Economic Statutes, Mathematics Self Concept and Achievement Goal Orientations: A Correlational Investigation. Bulletin of Education and Research Vol. 39 No. 1
12	Dr. Abid Hussain Ch.	Teachers Satisfaction regarding Human Resource Management Practices in Technical Institutions of Lahore. Bulletin of Education and Research, 39 (2).
13	Dr. Abid Hussain Ch.	E-Learning: Students' Perspectives about Asynchronous and Synchronous Resources at Higher Education Level. Bulletin of Education and Research, 39 (2).
14	Dr. Abid Hussain Ch.	Relationship of classroom Management Strategies with Academic Performance of Students at College Level. Bulletin of Education and Research, 39 (2).
15	Dr. Abid Hussain Ch.	Identification of Gaps in Serve Quality in Higher Education. Bulletin of Education and Research Vol. 39 No. 2
16	Dr. Muhammad Saeed	Extremism in Education in Pakistan: University Teacher thoughts. Journal of Faculty of Educational Studies, Ankara Turkey
17	Dr. Muhammad Saeed	An Exploratory Study on Problems faced by students during board Examination. Bulletin of Education and Research Vol. 39 (1).
18	Dr. Abdul Qayyum Ch Dr. Tariq Hussain	A Comparative Study between the Learning Style of User and Non User Students of Social Media at Elementary School Level. Bulletin of Education and Research Vol. 38 (2).
19	Dr. Tariq Hussain	Some Technical Issues and Horizon Problem. Canadian Journal of Physics Can. J. Phys. 94: 1216-1221 (2016)
20	Dr. Tariq Hussain	Students Attitude towards Technology: A study from Pakistan. Bulletin of Education and Research Vol. 38 (1).
21	Dr. Tariq Hussain	Role of Structure Scalars on Viscous and heat conducting Spherical systems in (R, T) gravity. International Journal of Modern Physics D1 Vol. 26
22	Dr. Tariq Hussain	Some Technical Issues and Horizon Problem. Canadian Journal of Physics. Can. J. Phys. 94



23	Dr. Tariq Mahmood Ch. Dr. Tariq Hussain	Subject Matter Knowledge Competence: An empirical Evidence of Elementary School Teacher. Bulletin of Education and Research Vol. 39 (1).
24	Dr. Tariq Mahmood Ch. Dr. Tariq Hussain	Validation of Screening Checklist for Learning Difficulties in Mathematics Bulletin of Education and Research Vol. 39 (2).
25	Dr. Muhammad Aamir Hashmi	Academic Integrity: Effects of Demographic Variables on students' Conduct" A Research Journal of South Asian Studies Vol. 31 No. 02 PP 27-43.
26	Dr. Muhammad Aamir Hashmi	Exploring Dropout Reasons of Undergraduate Female Students of Virtual University Pakistan'. Bulletin of Education and Research Vol. 38 (2)
27	Dr. Muhammad Aamir Hashmi	Exploring Dropout Reasons of undergraduate Female Students of Virtual University Pakistan. Bulletin of Education and Research Vol. 38 (2).
28	Dr. Muhammad Aamir Hashmi	Perception of Secondary School Students Regarding Guidance and Counseling in Quetta. Bulletin of Education and Research Vol. 39 No. 1
29	Dr. Muhammad Aamir Hashmi	Incidence and Dynamism of Sexual Harassment in South Asian Students. Research Journal of South Asian Studies Vol.32. No. 1.
30	Dr. Effat Alvi	A Qualitative Account of the Nature and use of Self regulated learning (SRL) Strategies Employed by University Students. Australian Journal of Teacher Education 41 (8)
31	Dr. Effat Alvi	Beliefs, Processes and Difficulties Associated with Mathematical Problem Solving of Grade 9 Student. Pakistan Journal of Educational Research and Evaluation.
32	Dr. Muhammad Shahid Farooq	Teachers' Politeness as predictor of Students Self Esteem and Academic Performance. Bulletin of Education and Research Vol. 39 No. 1
33	Dr. Munaza Mousheen	An adoption of Motivated Strategies for Learning Questionnaire (MSLQ) for Postgraduate Students in Pakistan: Results of an Exploratory Factor Analysis. Bulletin of Education and Research Vol. 38 (1)



34	Muhammad Aslam	Subjective Stance, Embedded Ideological Clues and Social Representations in Schimmel's Interpretations: A critical discourse inquiry. Bulletin of Education and Research (BER).
35	Muhammad Aslam	Marked Cultural Cues, Folk Traditions, and Social Representations Embedded within Shimmel's "As Through a Veil". NUML Journal of Critical Inquiry.14(11). Accepted in Dec. 2016
36	Ms. Tayyaba M. Akram	Exploring the Factors Responsible for declining Students' Interest in Chemistry. International Journal of Information and Education Technology Vol. 7 No. 2
37	Ms. Tayyaba M. Akram	Photocatalytic Degradation of Synthetic Textile Effluent by Modified Sol Gel Synthesized Mobilized and Immobilized ToO2 and Ag-Adopted TiO2 . Polish Journal of Environmental Studies 25, 4
38	Dr. Shaukat Ali Raza	Measuring Employees commitment Through Job Satisfaction: Perception of Public Primary School Teachers, Bulletin of Education and Research, Vol. 39 No. 1.
39	Dr. Ahmad Sher Awan Dr. Tariq Mahmood ch.	Validation of screening checklist for the children with specific learning differences consistent with Pakistani norms. Bulletin of Education and Research (BER) Vol. 38 No. 2
40	Dr. Ahmad Sher Awan	Continuous Microwave flow Synthesis (MFs) of Nano-sized in oxide Effect of Precursor Concentration. Ceramic International 42
41	Dr. Ahmad Sher Awan	Analysis of Curriculum about Political Literacy as a Dimension of Citizenship Education. Bulletin of Education and Research, 39 (1).
42	Dr. Ahmad Sher Awan	Effect of Reenactment concentration on the physicochemical Properties of nano-sized titania Synthesized by microwave assisted continuous flow method. Journal of material Science Materials 2016, 27, 10.1007/S
43	Dr. Muhammad Abiodullah	Causes of Social Anxiety Among Elementary Grade Children. Bulletin of Education and Research, 39 (2).
44	Dr. Abdul Qayyum Ch.	An Empirical Investigation of Problems and Issues being faced by the Students while using the libraries in University of the Punjab, Lahore. Bulletin of Education and Research, 39 (2).



- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - Prof. Dr. Rafaqat Ali Akbar, Organized and Participated in 8th Post Graduate Students Conference 2017 on Transforming Education for 21st Century Challenges held on May 24, 2017.
 - Prof. Dr. Rafaqat Ali Akbar Participate in International Conference on Innovation & Emerging Trends in Education & Social Sciences being Organized by Iqra University, Karachi from May 20-21, 2017.
 - Prof. Dr. Abid Hussain Ch. Participated and presented paper in 15th Annual Hawaii International Conference on Education held on 24-12-2016 to 08-01-2017 at Honolulu, Hawaii, USA.
 - Prof. Dr. Rafaqat Ali Akbar, Organized & participated in 4th International Conference on Research in Education (ICORE) being organized by IER, University of the Punjab, Lahore from November 23-25, 2016.
 - Prof. Dr. Mumtaz Akhter, Organized & participated in 4th International Conference on Research in Education (ICORE) being organized by IER, University of the Punjab, Lahore from November 23-25, 2016.
 - Prof. Dr. Mumtaz Akhter, Participated in first International Conference on Education being Organized by Lahore College for Women University, Lahore on 2nd November, 2016.
 - Prof. Dr. Mumtaz Akhter, Participated in the International Conference on Education begin organized by Department of Education, University of Sargodha on 25-26 October, 2016
 - Prof. Dr. Mumtaz Akhter participated in the International Conference of the National Accreditation Council for Teacher Education held on May 14-17, 2017 at Gilgit.
 - Dr. Muhammad Saeed, participated in 4th International Conference on Research in Education (ICORE) being organized by IER, University of the Punjab, Lahore from November 23-25, 2016.
 - Dr. Muhammad Saeed, Participated in 8th Post Graduate Students Conference 2017 on Transforming Education for 21st Century Challenges held on May 24, 2017.
 - Dr. Tariq Hussain, participated in 4th International Conference on Research in Education (ICORE) being organized by IER, University of the Punjab, Lahore from November 23-25, 2016.
 - Dr. Tariq Hussain, Participated in 8th Post Graduate Students Conference 2017 on Transforming Education for 21st Century Challenges held on May 24, 2017.
 - Ms. Tayyab M. Akram, Participated in three Day International Conference on “Current Research in Chemical and pharmaceutical Sciences” Organized by Department of Chemistry and Department of Pharmacy, Forman Christen College University from January 18-20, 2017.



- Ms. Tayyaba M. Akram, participated in 4th International Conference on Research in Education (ICORE) being organized by IER, University of the Punjab, Lahore from November 23-25, 2016.
- Ms. Tayyaba M. Akram, Participated in Hands on Training Workshop on “Advanced Presentation Skills for MS/Ph.D Scholars” held at Institute of Agriculture Sciences, University of the Punjab, Lahore on January 19, 2017.
- **National/International Conferences Organized by IER**
 - Institute of Education and Research organized “4th International Conference on Research in Education (ICORE 16), on November 23-25, 2016. Seven hundred researchers, teachers; educators, teachers practitioners, social scientist, students and professionals from Pakistan & around the world participated in the Conference. They made their presentation and shared research based knowledge, experiences new advancements, empirical results and innovations in the field of education. ICORE organizing committee received 410 research papers from National and International researchers which were peer reviewed and 308 papers were accepted for presentation.
 - Institute of Education and Research organized 8th Post Graduate Students Conference 2017 on “Transforming Education for 21st Century Challenges” on 24 May, 2017. Prof. Dr. Rauf-i-Azam, Vice-Chancellor, University of Education was Chief Guest of the ceremony.
- **Workshop Organized by IER**
 - At the 6th Invention to Innovation Summit, 2017, organized by University of the Punjab on March 8-9, 2017. The Department of Business Education, IER, made its Business Week "PARWAZ 2017". “The Business Plan Competition” segment of the summit was organized by the Department of Business Education, IER at Waheed Shaheed Hall, on March 8-9, 2017. Twenty-eight groups having 93 registered participants from 8 different public and private universities from all over Pakistan presented their ideas to win cash award of Rs. 15,000/- and to compete for seed money Rs. 50,000/- in two days Business Plans Competition. The Director IER was Chief Guest at the occasion.
 - Logo Unveiling Ceremony of 5th International Conference on Research in Education (ICORE 17) Institute of Education and Research has planned to organize “5th International Conference on Research in Education (ICORE 17), on November 21-23, 2017. In this regard ICORE 2017 Logo Unveiling Ceremony was held on March 29, 2017 at Waheed Shaheed Hall, IER. Prof. Dr. Zafar Mueen Nasar, Vice-Chancellor, University of the Punjab was the Chief Guest of the ceremony.
- **Lecture Series Organized**
 - Seminar Committee of IER has organized a series of lectures from March 2017 entitled “A Study of Western Philosophy and its Implication on Education” by Mr. Ahmad Javeed, Director Iqbal Academy (Rtd) Lahore. Three lecturers have been delivered. Faculty members, Ph.D & M.Phil Scholars are attending the series of lectures regularly.



○ **Research Journals**

- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 38, No. 2, 2016.
- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 39, No. 1, 2017.
- Journal of Elementary Education, Institute of Education and Research, University of the Punjab Lahore Volume 26 No 1, 2016.
- Pakistan Journal of Educational Research and Evaluation (PJERE), Institute of Education and Research, University of the Punjab Lahore Volume 1, No.1, 2016.

RESEARCH COLLABORATION

○ **Foreign Linkages**

International Linkage with Beijing Normal University, China

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

○ **R&D-An Overview**

The Centre was established in 2003 to provide trained manpower for utilization of huge coal deposits available in Pakistan in order to achieve self-reliance in the energy sector. Research activities remain continued throughout the year by mutual coordination of the faculty and students, which are particularly aimed at exploring the technology for effective utilization of coal resources. Hundred of students have completed their research thesis under the supervision of senior faculty members. For capacity building, a new PC-1 of Rs. 984 Million aiming at transformation of the Centre into Institute of Energy and Environmental Engineering has been approved and underway.

○ **Projects**

Obtained research grant of 2.5 lac from Punjab University entitled "Washability Characteristics of Pakistani Coal in September 2017

○ **Publications**

- Ayoub G., Akhtar, J., Rana, M., Qasim, M., Sheikh, N., Munir, S., (2017), Investigation of forestry wastes: Torrefaction and their thermal properties for use in energy recovery schemes, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, (U.K.), Pages 100-107.
- Ilyas, M., Akhtar, J., Munir, S., (2017), Reverse flotation of cut-of-grade of Lakhra coal, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, (U.K.), Pages 1999-2005.



- Khan, A., Akhtar, J., Shahzad, K., Sheikh, N., Munir, S., (2017) Co-pyrolysis and hydrotreatment of waste tires and tar coal blends, *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, (U.K.), 39(15): 1-7.
- Zara, M., Ahmad, Z., Akhtar, J., Shahzad, K., Sheikh, N., Munir, S., (2017) Extraction and characterization of humic acid from Pakistani lignite coals, *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, (U.K.), Pages 1159-1166.
- Iram, S., Akhtar, J., Sheikh, N., & Munir, S. (2017). Oxidative Desulphurization of Chakwal Coal using KMnO₄, FeSO₄ and Sodium Hypochlorite. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* Pages 426-432.
- Akhtar, J., Sheikh, N., Munir, S., (2017) Linear regression based correlations for estimation of high heating values of Pakistani Lignite coals, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*
- Sana, H., Kanwal, S., Akhtar, J., Haider, R., Munir, S., (2017) Production of ethanol and bio-chars from Pakistani ligno-cellulosic biomasses, *Energy Sources Part A Recovery Utilization and Environmental Effects*, (U.K.), Pages 465-472.
- Sana, H., Kanwal, S., Akhtar, J., Nawaz, S., Sheikh, N., Munir, S., (2017) Evaluation of Washability Characteristics of Khushab Coal (Pakistan) by Heavy Media Separation. *Energy & Environment*. Volume: 28 issue: 5-6, page(s): 598607.
- Kanwal, S., Sana, H., Nawaz, S., Munir, S., (2017) Influence of Relative Humidity and Temperature on Grindability of Pakistani and Afghani Coals, *The Journal of Energy and Environmental Science*, 132 (2017) 663-668
- Ijaz, A., Munir, S., Azam, M., Saleem, A., (2017) Development of Technologies for Removal of Arsenic from potable drinking water, *Journal of Pakistan Institute of Chemical Engineers*, 45(1) 2017: 120-128.
- Munir, S., Sattar, H., Azam, M., & Nadeem, A. (2016). Thermal and Kinetics Analysis of Com Cobs, Falsa Sticks and Chamalang Coal under Oxidizing and Inert Atmosphere. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*.
- Mustafa, A., Ahmad, T., Akhtar, J., Shahzad, K., Sheikh, N., & Munir, S. (2016). Agglomeration of Makarwal coal using soybean oil as agglomerant. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 38(24), 3733-3739.
- Azam, S., Akhtar, J., Mushtaq, S., Sheikh, N., & Munir, S. (2016). Cleaning of Pakistani low-grade coal by agglomeration. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 38(16), 2462-2470.
- Akhtar, J., Rehman, S., Sheikh, N., & Munir, S. (2016). Agglomeration of Pakistani coal (Lakhra) using diesel oil. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 38(21), 3144-3149.
- **Conferences**
 - Munir, S., (2016) "21st Century Clean Coal Technologies: Solution to Pakistan's Energy Crisis" at POGEE 2016-12th International Conference for Oil, Gas and Energy Industry May 21, 2016 (Lahore Expo Centre)



- Rasool, Z G., Sajid, F., Shahzad, K., Akhtar, J., Munir, S., (2016) "Upgradation of Mianwalli Coal using Froth Flotation and Hydrochloric Acid Leaching" at 3rd Conference on Sustainability in Process Industry (SPI-2016), UET, Peshawar.

RESEARCH COLLABORATION

○ Funding Grants for R&D

- Obtained research grant of 2.5 lac from Punjab University entitled "Washability Characteristics of Pakistani Coal in September 2017.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

○ Research & Development

Research and development is the backbone of our department. No institute can groom without working in R & D. The department continues to enjoy significant growth and momentum in research productivity. Faculty submitted approximately eight proposals, more than ten active grants are in progress and forty-nine international research papers have been published. These encouraging research trends reflect active involvement of an increasing number of engineering faculty members in research and demonstrate the calibre of our faculty members and the success of our strategically focused interdisciplinary research model.

○ Projects: Newly Launched

Prof. Dr. Tahir Jamil (Late)

Sr. No	Project Name	Duration	Sponsoring agency	Funding (Mill Rs)
1	Establishment of research group for Polymers	01 Year	HEC	1.000
2	Establishment of Research Laboratories for Polymers Synthesis, Characterization, Rheology and Processing" by HEC.	02 Year	HEC	38.784
3	Establishment of Industrial Research labs for Polymer and Material Synthesis.	03 Year	HEC	57.850

Dr. Shahzad Maqsood Khan (Incharge/Chairman)

Title	Amount and Duration	Funding Agency	Status
Development of Innovative Technical Textiles and Medical Textile Products. (Project was awarded to Dept of Polymer Engg & Tech to Prof. Dr. Tahir Jamil. After the sad demise of Dr. Jamil the Project is in progress under supervision of Dr. Shahzad Maqsood Khan; Incharge/Chairman Dept of Polymer Engg & Tech.)	Rs. 20.374 Mill Rs (2015-2017)	HEC/USAI D (North Carolina University USA)	In progress



Synthesis and Characterization of amphiphilic triblock polyurethane copolymers to mimic bio-membranes. (Project was awarded to Dept. of Polymer Engg. & Tech to Prof. Dr. Tahir Jamil. After the sad demise of Dr. Jamil the Project is in progress under supervision of Dr. Shahzad Maqsood Khan; Incharge/Chairman Dept. of Polymer Engg. & Tech.)	Rs. 10.207 Mill Rs (2015-2017)	NRPU Project HEC Pakistan.	In progress
Synthesis and Testing of Composite Membranes along with Designing & Fabrication of Research Plant for Optimization of Synthesized Materials for Engineering and Bio Medical Applications	3000000.00 Rs (2017-2018)	PHEC	Submitted for Approval
Synthesis and characterization of polymers based absorbents and carrier materials	1,25,000 Rs (2015-2016)	PU Lhr	Completed
Study on importance and use of hydrogels for bio medical and engineering applications	1,25,000 Rs (2014-2015)	PU Lhr	Completed
Study on Synthesis and Characterization of Various Polymer Composites for Engineering Application	1,25,000 Rs (2013-2014)	PU Lhr	Completed
Polymer Composites to be Used for Bio Material and Engineering Applications	1,25,000 Rs (2012-2013)	PU Lhr	Completed

Dr. Aneela Sabir (Assistant Professor)

Title	Amount and Duration	Funding Agency	Status
Fabrication of Adsorptive Membrane System for the Removal of Heavy Metal Ions from Industrial Wastewater	500000.00 Rs (2016-2017)	SRGP-HEC	In Progress
Nanofiltration membrane as selective layer for desalination	1,25,000 Rs (2015-2016)	PU Lhr	Completed
Waste water treatment by using polymeric reverse osmosis membrane	1,25,000 Rs (2013-2014)	PU Lhr	Completed
Textile Wastewater treatment by using polymeric membrane via nanotechnology	1,25,000 Rs (2012-2013)	PU Lhr	Completed

*Dr. Atif Islam (Assistant Professor)*

Title	Amount and Duration	Funding Agency	Status
Synthesis and characterization of conducting polymer-hydrogels from biopolymer (chitosan)/poly(vinyl alcohol) blends for medical electrode applications using impedance spectroscopy	2.300 Mill Rs (2013)	HEC Pakistan	Completed
Polymer nanocomposites; Visco-elastic, thermal and mechanical properties	0.5 Mill Rs	HEC, Pakistan.	Completed
Development and performance characterization of biopolymers based pH-sensitive blended films/membranes/electrospun fibrous materials for various applications	1,50,000 Rs (2015-2016)	PU Lhr	Completed
Extraction of chitin/chitosan from natural sources and its improved utilization as novel/commercial products	1,50,000 Rs (2014-2015)	PU Lhr	Completed

Dr. Sadia Sagar Iqbal (Assistant Professor)

Title	Amount and Duration	Funding Agency	Status
Fabrication, Ablation, Thermal and Mechanical Investigation of Ablative Composites for Ultrahigh Temperature Applications	2.5 Mill Rs (2012-2013)	Deanship of Scientific Research (DSR), King Abdul Aziz University, Jeddah Saudi Arabia	Completed
Synthesis and characterization of pH sensitive hydrogels/nanofibrous material from biopolymers/ carboxymethyl chitosan/chitosan for different controlled drug delivery systems and other biomedical applications	0.5 Mill Rs 9 months	Start Up Research Grant Program (SRGP), HEC, Pakistan.	Completed
Study of structural, electrical, dielectric, magnetic, and thermal properties: Nanoferrites reinforced conducting polymer nanocomposites	1,50,000 Rs (2015-2016)	PU Lhr	Completed

*Engr. Muhammad Shafiq (Lecturer)*

Title	Amount and Duration	Funding Agency	Status
Enhancing the Performance of Polymeric Reverse Osmosis membranes by surface modification	1,25,000 Rs (2015-2016)	PU Lhr	Completed
Fabrication of blended membranes for reverse osmosis using polymeric materials	1,25,000 Rs (2014-2015)	PU Lhr	Completed
Waste water treatment by using polymeric membranes for pervaporation process	1,25,000 Rs (2013-2014)	PU Lhr	Completed
Removal of salts from sea water using polymeric membranes	1,25,000 Rs (2012-2013)	PU Lhr	Completed

Ms Saba Zia (Lecturer)

Title	Amount and Duration	Funding Agency	Status
Preparation of hydrogels using modified polymers	1,25,000 Rs (2015-2016)	PU Lhr	Completed

○ **Publications: Books/Edited**

- Maria Wasim, Aneela Sabir, Muhammad Shafiq, Atif Islam, Tahir Jamil; Modification of Polysulphone membrane via Layer by Layer Assembly; ISBN-13:978-3-330-03025-1, ISBN-10:3330030259, EAN:9783330030251, LAP LAMBERT Academic Publishing, Omni Scriptum Ara Pers GmbH, Germany.
- Reverse osmosis membrane based on cellulose acetate PEG-600 and silica. (Adnan Ahmad, Tahir Jamil: 2016) (ISBN-13: 978-3-330-79717-8, ISBN-10: 3330797177, EAN: 9783330797178)

○ **Conferences, Seminars, and workshops, etc** (sponsors, oral presentation + poster presentation)
Faculty members took active part in presenting and attending national and international conferences

- Presented Technical Presentation in Conference Recent Advances in Chemistry-2017, Dr. Shahzad Maqsood Khan, Nafisa Gull, Dr. Atif Islam, Muhammad Abid, Prof. Dr. Sayed Muhammad Awais, Saba Zia, Prof. Dr. Muhammad Taqi Zahid Butt and Prof. Dr. Tahir Jamil. title "Recent Advancements in Chemical Trends; R&D and Production" in University of Lahore (UoL) Lahore Pakistan May 13-14 2017
- Presented Technical Presentation in Conference of Orthopedic Association of Saarc Countries (OASAC) 2017, Khan S, Gul N, Awais S, Zia S, Butt T, Jamil T, title "Fiber Reinforced Polymer Composites for Orthopedic Applications" in PC Lahore April 07-09 2017



- Presented Technical Presentation in Invention to Innovation Summit 2017 in Session of PIDE on topic “Polymers for Biomaterial applications” in Punjab University Lahore March 08-09 2017
- Muhammad Taqi Zahid Butt, Shahzad Maqsood Khan, Nafisa Gull, Tahir Jamil. Treatment of Industrial Waste Water Contaminated by Water Based Inks Using Fenton Reagent. 2nd International Conference on Material Technology and Environmental Materials (MTEM), Beijing, China. Oct. 21-23, 2016
- An Investigation of Rheological Behaviour of Lubricating Oils Used for Motor Bike Engines. S. M. Khan, S. Zia, S. Bano, N. Gull, A. Islam, S. S. Iqbal, M. Abid, S. Jabeen, M. T. Z. Butt, T. Jamil. International Symposium on Advanced Materials (ISAM) NUST ISB PAK 2017
- Effect of Graphene for Ablation Study of Advanced Composite Materials for Aerospace Applications. S.S.Iqbal, A.Sabir, A.Islam, S.M.Khan, M.Yasir, T.Jamil, Z.M.Khan. International Symposium on Advanced Materials (ISAM) NUST ISB PAK 2017
- Ablation, Thermal Stability/Transportation/Phase Transition Study of Carbon NanoFiber Reinforced Elastomeric Nanocomposites. Sadia Sagar Iqbal, Fawad Inam, Shahzad Maqsood Khan, Atif Islam, Aneela Sabir, Arshad Bashir, Tahir Jamil, Mohammad Bilal Khan, Zaffar M Khan. Accepted for Poster Presentation in JTACC 2017
- **Research Journals**
 - Papers Published
 - Misbah Sultan, Sadia Atta, Haq Nawaz Bhatti, Atif Islam, Tahir Jamil, Ismat Bibi, Nafisa Gull. “Synthesis, Characterization and Application Studies of Polyurethane Acrylate Thermoset Coatings: Effect of Hard Segment”. Polymer-Plastic Technology and Engineering, 56 (April, 2017) 1608-1618 (I.F. = 1.232).
 - Sehrish Jabeen, Atif Islam, Abdul Ghaffar, Nafisa Gull, Ayesha Hameed, Anbreen Bashir, Tahir Jamil, Tousif Hussain. “Development of Novel Crosslinked pH Sensitive Silane Crosslinked Injectable Hydrogels for Controlled Release of Neomycin Sulfate”. International Journal of Biological Macromolecules, 97 (April, 2017) 218-277. <http://dx.doi.org/10.1016/j.ijbiomac.2017.01.014>. (I.F. = 3.671).
 - Aneela Sabir, Wail Falath, Karl I. Jacob, Muhammad Shafiq, Muhammad Azeem Munawar, Atif Islam, Nafisa Gull, Muhammad Taqi Zahid Butt, Khairuddin Sanaullah, Tahir Jamil. “Hyperbranched Polyethyleneimine Induced Polycationic Membranes for Improved Fouling Resistance and High RO Performance” European Polymer Journal, 85 (December, 2016) 266-278. <http://dx.doi.org/10.1016/j.eurpolymj.2016.10.032> (I.F. = 3.658).
 - Atif Islam, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, Aneela Sabir, Muhammad Azeem Munawar, Muhammad Shafiq, Tahir Jamil, Muhammad Hamid Raza. “Fabrication and Performance Characteristics of Tough Hydrogel Scaffolds Based on Biocompatible Polymers International Journal of Biological Macromolecules, 92 (November, 2016) 1-10. <http://dx.doi.org/10.1016/j.ijbiomac.2016.07.010>. (I.F.= 3.671).



- Aneela Sabir, Wail Falath, Karl I Jacob, Muhammad Shafiq, Nafisa Gull, Atif Islam, Muhammad Taqi Zahid Butt, Tahir Jamil. "Integrally Skinned Nano-Cellular Crosslinked Asymmetric Thin Films Infused with PEO-PPO-PEO Block Copolymer/ZnO-NPs for Desalination using Sea Salt". *Materials Chemistry and Physics*, 183 (November, 2016) 595-605. <http://dx.doi.org/10.1016/j.matchemphys.2016.09.022>. (I.F. = 2.283).
- Shahzad Maqsood khan, Nafisa Gull, Muhammad Azeem Munawar, Atif Islam, Saba Zia, Muhammad Shafiq, Aneela Sabir, Syed Muhammad Awais, Muhammad Arif Butt, Muhammad Taqi Zahid Butt, Tahir Jamil. "2D Carbon Fiber Reinforced High Density Polyethylene Multi-layered Laminated Composite Panels: Structural, Mechanical, Thermal and Morphological Profile". *Journal of Materials Science & Technology*, 32 (October, 2016) 1077-1082. (I.F. = 2.764)
- Younas Habib Khan, Atif Islam, Afsheen Sarwar, Nafisa Gull, Shahzad Maqsood Khan, Muhammad Azeem Munawar, Saba Zia, Aneela Sabir, Muhammad Shafiq, Tahir Jamil. "Novel Green Nano Composites Films Fabricated by Indigenously Synthesized Graphene Oxide and Chitosan". *Carbohydrate Polymers*, 146 (August, 2016) 131-138. <http://dx.doi.org/10.1016/j.carbpol.2016.03.031>. (I.F. = 5.130).
- Farheen Anjum, Nafisa Gull, Shahzad Maqsood Khan, Muhammad Azeem Munawar, Atif Islam, Sajid Iqbal Niazi, Saba Zia, Muhammad Shafiq, Muhammad Taqi Zahid Butt, Tahir Jamil. "Mechanical and Thermal Profile of Novel Glass Fiber Reinforced Polyester Composites as a Function of Barium Sulphate Loading". *Advances in Polymer Technology*, (July, 2016) DOI 10.1002/adv.21739. (I.F. = 1.389).
- Muhammad Azeem Munawar, Shahzad Maqsood khan, Nafisa Gull, Muhammad Shafiq, Atif Islam, Saba Zia, Aneela Sabir, Awais Sattar Ghouri, Muhammad Taqi Zahid Butt, Tahir Jamil. "Fabrication and Characterization of Novel Zirconia Filled Glass Fiber Reinforced Polyester (GFRP) Hybrid Composites". *Journal of Applied Polymer Science*, (July, 2016). DOI: 10.1002/app.43615. (I.F. = 1.727).
- Sabir, M. Shafiq, A. Islam, F. Jabeen, A. Shafeeq, A. Ahmad, M.T.Z. Butt, K.I. Jacob, T. Jamil. Conjugation of silica nano particles with cellulose acetate/polyethylene glycol 300 membrane for reverse osmosis using MgSO₄ solution. (Impact factor 4.8) (2016).
- Tabinda Riaz, Adnan Ahmad, Sidra Saleemi, Muhammad Adrees, Fahad Jamshed, Abdul Moqheet Hai, and Tahir Jamil, 'Synthesis and Characterization of Polyurethane-Cellulose Acetate Blend Membrane for Chromium (Vi) Removal', *Carbohydrate Polymers*, 153 (2016), 582-91. (Impact factor 4.8).
- Adnan Alhathal Alanezi, H. Abdallah, E. El-Zanati, Adnan Ahmad, Adel O. Sharif, 'Performance investigation of O-ring vacuum membrane distillation 1 module for water desalination', *Journal of Chemistry (Hindawi Publishing)*., (Impact factor 1.3) (2016).
- Adnan Ahmad, Fahd Jamshaid, Muhammad Adrees, Sadia sagar Iqbal, Aneela sabir, Tabinda riaz, Hira Zaheer, Atif islam, Tahir Jamil. Novel Polyurethane/Polyvinyl chloride-co-vinyl acetate crosslinked membrane for desalination of saline water; *Desalination* 420 (2017) 136–144. (Impact factor 5.527).



- Wail Falath, Aneela Sabir, Karl I. Jacob, 2017, Novel reverse osmosis membranes composed of modified PVA/Gum Arabic conjugates: Biofouling mitigation and chlorine resistance enhancement, Carbohydrate Polymers, Volume 155, Pages 28-39, (I.F=5.130)
- Maria Wasim, Aneela Sabir, Muhammad Shafiq, Atif Islam, Mudassar Azam, Tahir Jamil, 2017, Mixed matrix membranes: Two-step process modified with electrospun (carboxy methylcellulose sodium salt/sepiolite) fibers for nanofiltration, Journal of Industrial and Engineering Chemistry, volume 50, pages172-182, (I.F=4.421).
- Thermogravimetric, Differential Scanning Calorimetric and Experimental Thermal Transport Study of Functionalized Nanokaolinite Doped Elastomeric Nanocomposites. Journal of Thermal Analysis and Calorimetry, Publisher: SPRINGER. 1.953
- Experimental thermal transport evolution of silane activated nanoclay reinforced styrene butadiene elastomeric nanocomposites, doi:10.1088/1757-899X/146/1/012039. Materials Science and Engineering, Publisher: IOP Conference Series. 0.156.
- Ablation and thermo-mechanical tailoring of EPDM Rubber using Carbon Fibers, DOI: 10.1515/polyeng-2015-0337, . Journal of Polymer Engineering, Publisher: DE GRUYTER. 0.631
- Decoration of open pore network in Polyvinylidene fluoride/MWCNTs with chitosan for the removal of Reactive Orange 16 dye. Carbohydrate Polymers, Publisher: Elsevier. 4.811
- Enhanced mechanical properties of wood ash and fly ash as supplementary cementitious materials; Zaib Hussain, Rohama Maqsood, Muhammad Imran Din, Shahzad Maqsood Khan, Akhtar Shahnaz, Mohsin Rashid, Saba Ameen. Advances in Applied Ceramics Structural, Functional and Bioceramics, 116 (April, 2017) 355-361. (I.F 1.346)
- Development and performance characteristics of silane cross linked poly (vinyl alcohol)/chitosan membranes for reverse osmosis. Muhammad Shafiq, Aneela Sabir, Atif Islam, Shahzad Maqsood Khan, Syed Nadir Hussain; Muhammad Taqi Zahid Butt; Tahir Jamil; Journal of Industrial and Engineering Chemistry, 48 (April, 2017) 99-107. (I.F=4.421)
- Wasim M, Sabir A, Shafiq M, Islam A, Jamil T Preparation and characterization of composite membrane via layer by layer assembly for desalination Applied Surface Science 396 (2017) 259–268 (I.F= 3.387).
- Sarwar MS, Ghaffar A, Islam A, F. Yasmin, Z. Oluz, E. Tuncel, H. Duran, A. Qaiser A Controlled drug release behavior of metformin hydrogen chloride from biodegradable films based on chitosan/poly(ethylene glycol) methyl ether blend doi: <http://dx.doi.org/10.1016/j.arabjc.2017.05.005> (Article in Press) Arabian Journal of Chemistry (2017) xxx, xxx–xxx (I.F= 5.388).



- Dilshad MR, Islam A, Sabir A, Shafiq M, MTZ Butt, Ijaz A, Jamil T, Fabrication and performance characterization of novel zinc oxide filled cross-linked PVA/ PEG 600 blended membranes for CO₂/N₂ separation Journal of Industrial and Engineering Chemistry 55 (2017) 65–73 (I.F= 4.421).
- Saba Khurshid, Amna Shoaib, Arshad Javaid, Fozia Akhtar, Muhammad Shafiq, Uzma Qaisar, Management of Fusarium wilt of tomato by soil amendment with *Cenchrus pennisetiformis* under chromium stress Physiological and Molecular Plant Pathology (Accepted Manuscript) (2016) (I.F=1.483)
- Muhammad Shafiq, Chromium tolerance, oxidative stress response, morphological characteristics and FTIR studies of phytopathogenic fungus *Sclerotium rolfsii* Folia Microbiologica (Accepted Manuscript) (2016) (I.F= 1.335)

RESEARCH COLLABORATION

○ Indigenous

Research collaboration of department with other universities are following:

- Institute of Chemistry PU Lahore
- Government College University (GCU) Lahore
- Government College University (GCU) Faisalabad
- National University of Sciences and Technology (NUST) Islamabad
- Plastic Technology Center (PTC) Karachi
- Quaid-e-Azam University Islamabad
- Centre for Solid State physics PU Lahore.
- Demont Montessori College of Dentistry Lahore
- BahaudinZakria University (BZU) Multan
- University of Engineering & Technology (UET) Lahore
- Collaboration with Polymer manufacturing and processing industries
- Sports industries
- Paper and pulp industries
- Paint and Adhesive industries
- Distilleries/ sugar industries Process industries
- Membrane separation plants
- Rubber manufacturing industries
- Defense organizations
- Universities and educational institutes
- Research and Development organizations

○ Foreign Linkages

- Funding grants
 - 0.80 Mill Rs are granted by University of the Punjab, Lahore.
 - 31.581 Mill Rs is granted by Higher Education Commission for research and development of department under SRGP, NRPU and PAK-USAID programme.



DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

○ **R&D - An Overview**

The research mission is to advance knowledge in the specialized areas of Metallurgy and Materials Engineering to strengthen Engineering-based economy of the Country

○ **Projects:**

Department of Metallurgy and Materials Engineering comprising of 10 class rooms, 15 labs, 15 faculty offices and other allied facilities. i.e. library, seminar hall etc

○ **Newly Launched:** Procurement of lab equipment for more than 15 labs.

○ **Publications:** 15

○ **Seminars + Workshops attended by faculty members:** = 8

○ **Research Journals:** 01

Research Collaborations

Universiti Teknologi PETRONAS Malaysia, Jiangxi University of Science and Technology

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

RESEARCH COLLABORATION

○ **Foreign Linkages**

Research Collaboration between Pakistan and the United States on the Development of Innovative Technical Textiles and Medical Textile Products. (In Collaboration with College of Textiles NCSU, Funded by Pak-US technology cooperation program)

○ **Funding grants for R&D**

All Faculty members are on Study leave

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

○ **R&D – An Overview**

The institute is engaged in R & D for development of new materials and new processes that are essential for industrial advancement. Strategic areas of focus are (i) energy and sustainability; (ii) Gas Cleaning and Filtration; (iii) Fisher Tropsch Synthesis; (iv) Polymer sciences; and (v) water and waste water treatment.

○ **Projects: Completed**

The following are the projects which have been successfully completed by the Institute. The details of few of the projects completed with the help of HEC, University of the Punjab and SNGPL are given below:

Project Title	Funded by	Approved Amount
Hydrocracking of Waste Plastics	Higher Education Commission	Rs. 11,266,090/-
Utilization of coal-water slurry as an alternative fuel	Higher Education Commission	Rs. 11.23 million



Energy efficiency in a small and medium Industry through improvement in designing of industrial gas burner	Sui Nothern Gas Pipelines Limited	Through Chair
Estimation Modelling for calculations of volumetric impact of above ground leakages at CMS of distribution	Sui Nothern Gas Pipelines Limited	Through Chair
Reduction of noise level and protective measures of line pipe fitting against freezing at downstream of regulator's at SMS's	Sui Nothern Gas Pipelines Limited	Through Chair

○ **Newly Launched**

The faculty is motivated and facilitated to apply for grants from local and foreign agencies. The list of on-going projects funded by HEC is given below;

○ **Publications**

The faculty at the Institute is actively engaged in R & D activities and has published their work in national as well as international journals of good repute. The details of publications during the year 2016-17 are given below:

Sr. No.	Name of faculty member	Title of Paper/Article
1	Prof. Dr. Rafi Ullah Khan	Comparative Study of Floating Head multi Stream Heat Exchanger With Shell and Tube Heat Exchanger
2	Prof. Dr. Mahmood Saleem	The Production of $\text{Al}(\text{OH})_3$ from Indigenous High-Silica Bauxite
3	Prof. Dr. Mahmood Saleem	HYDRODYNAMIC STUDY OF INDIGENOUS BIOMASS-SAND MIXTURES IN A COLD FLUIDIZATION COLUMN
4	Dr. Javed Ashraf Awan	The Solubility and the Freezing point depression (FPD) measurements of Na-1-ethanethiolate, Na-1-propanethiolate, Na-2-propanethiolate, Na-1-butanethiolate and Na-2-Methyl-2-propanethiolate salts in pure water.
5	Dr. Javed Ashraf Awan	Thermal & Kinetic performance analysis of sincob, falsa chamalany .. atmosphere
6	Dr. Bilal Haider	Electrophoretic deposition of PEEK/bioactive glass composite coatings for orthopedic implants: A design of experiments (DoE) study
7	Prof. Dr. Syed Nadir Hussain	Development and performance characteristics of silence crosslinked poly (vinyl alchohol)/chitosan memrances for reverse osmosis. Journal of Industrial and Engineering Chemistry, Volume 48, 25 April 2017, Pages 99-107.



- **R. Aslam**, K. Müller. Adsorption isotherm of dibenzyltoluene and its partially hydrogenated forms over phenylhexyl silica. Modern Chemistry and application, 2017.
- K. Müller, R. Aslam, Armin Fischer, P. Wasserscheid, W. Arlt. Experimental Assessment of degree of hydrogenation for LOHC systems, International Hydrogen Engery, 2016.
- **Aslam, R.**; Usman, M.R.; M.F. Comparative Study of LHHW and ER Kinetic Models for NO Oxidation over Co_3O_4 Catalyst. Journal of Environmental Chemical Engineering, 2016.
- G. Do, P. Preuster, **R. Aslam**, A. Bosmann, K. Müller, W. Arlt, P. Wasserscheid. Hydrogenation of the Liquid Organic Hydrogen Carrier Compound Dibenzyltoluene- Reaction Pathway Determination by ^1H -NMR Spectroscopy, Reaction Chemistry & Engineering, 2016.
- **Rabya Aslam**, Mirjana minceva, Karsten Müller, Wolfgang Arlt. Development of a liquid chromatographic method for the separation of a liquid organic hydrogen carries mixture, Separation and Purification Technology, 2016.
- **Rabya Aslam**, Karsten Müller, Michael Müller, Marcus Koch, Peter Wassercheid, Wolfgang Arlt. Measurement of hydrogen solubility in potential Liquid Organic Hydrogen Carriers, Journal of Chemical Engineering Data, 2016.

○ **Conferences, Seminars and Workshops etc.**

Sr. No.	Name of Faculty Member	Title of Conference Paper	Name of Conference
1	Prof. Dr. Abdullah Khan Durrani	<i>Synthesis and Characterization of Superabsorbent Polymer (CMC/PVP)</i>	6 th International Conference on Healthcare, Environment, Food and Biological Sciences (HEFBS) Istanbul, Turkey
2	Prof. Dr. Abdullah Khan Durrani	<i>Comparison of Locally available mosquito repellent and their Environmental after Math</i>	3 rd International Conference on Engineering Sciences
3	Prof. Dr. Mahmood Saleem	<i>3rd International Conference on Engineering Sciences</i>	ICET & UET
4	Prof. Dr. Mahmood Saleem	<i>HYDRODYNAMIC STUDY OF INDIGENOUS BIOMASS-SND MIXTURES IN A COLD FLUIDIZATION COLUMN</i>	
5	Prof. Dr. Mahmood Saleem	<i>THE PRODUCTION OF $\text{Al}(\text{OH})_3$ from Indigenous High-Silica Bauxite</i>	



6	Prof. Dr. Syed Nadir Hussain	Combustion Characteristics of Indigenous Pulverized Coal and Biomass.	International Research Conference on Sustainable Energy, Engineering, Materials and Environment, Northumbria University, Newcastle Upon Tyne, UK, 26 th -28 th July, 2017.
---	------------------------------	---	--

- Rabya Aslam; Hydrogen Loading Assessment in Potential Liquid Organic Hydrogen Carriers (LOHCs): A promising solution for energy storage and transportation, 6th symposium on Engineering Science, Lahore Pakistan, 2016.
- Dureen Munir, Mahmood Saleem, Rabya Aslam, M. Rashid Usman; Investigating Hydrocracking of Actual Waste Plastics Mixture using Composite Mesoporous Zeolite Catalysts, 6th symposium on Engineering Science, Lahore Pakistan, 2016.
- Rabya Aslam; Separation of isomeric mixture of dibenzyltoluene, a potential LOHC, 66th Canadian Chemical Engineering Conference, Accepted for oral presentation, 2016.

○ **Research Journals**

Following two journals are being published by the faculty and institute jointly on annual basis:

- Journal of Faculty of Engineering and Technology
- Journal of Pakistan Institute of Chemical Engineers

RESEARCH COLLABORATION

○ **Indigenous**

Institute has collaboration with SNGPL, PCSIR, PSF, IRP and other public sector organizations for conducting research projects at graduate and undergraduate level.

○ **Foreign Linkages**

University has signed a few MOUs with the foreign universities. Recently a MOU has been signed with University Technology Petronas Malaysia. One faculty member is in KFUPM on Post Doc leave.

○ **Funding grants for R&D**

Faculty at the Institute actively participates in R & D activities. Every year faculty members get significant research grant from Punjab University. In addition one faculty member is working on research supported by HEC grant.

DEPARTMENT OF ELECTRICAL ENGINEERING

○ **R&D- An Overview**

The research mission is to advance knowledge in the specialized areas of Electrical Engineering to strengthen Engineering-based economy of the Country

○ **Projects: Completed:**

- Infrastructure of 40000 SQFT for Department of Electrical Engineering comprising of 8 class rooms, 13 labs, 25 faculty offices and other allied facilities. i.e. library, seminar hall etc
- Procurement of lab equipment for more than 6 labs.



- **Publications =7**
- **Seminars + Workshops Attended by faculty members: 17**
- **Research Journals: 01**

RESEARCH COLLABORATIONS

- **Foreign Linkages**
Electrospell, UK and University of Glasgow, University of Cape Town (RSA), AAU (Denmark)

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **R&D-An Overview**
Three students PhD synopsis have been approved by Advanced Studies and Research Board of the University.
All MSc QPM, MS TQM and MS IEM thesis supervised in this Institute are checked by Turnitin software before submission.
- **Projects**
Two Lecturers of the Institute have been awarded research grants by the University of the Punjab for the year 2016-17.
- **Publications**

Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
1	Dr. Muhammad Usman Awan	The role of environmental consciousness, green intellectual capital management and competitive advantage on financial performance of the firms: an evidence from manufacturing sector of Pakistan	Journal of Quality & Technology Management	12(2) Dec 16		✓	
2	Dr. Muhammad Usman Awan	Role of appraisal politics and impression management in turnover of dissatisfied employees: Eperical evidence from public sector of Pakistan	Journal of Quality & Technology Management	12(1) 16			
3	Dr. Muhammad Usman Awan	Development a scale fro measuring service quality in the public sector	International Journal of Services and Operations Management	24(3) 2016	✓ 0.29		
4	Dr. Muhammad Usman Awan	Developing a scale for measuring service quality in Banks	International Journal of Services and Operations Management	24(2) 2016	✓ 0.29		



Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
5	Dr. Muhammad Usman Awan	Service Quality & Organizational culture as predictors of job satisfaction: a medical faculty perspective of Pakistan	Pakistan Business Review	19(2) 2017		✓	
6	Dr. Muhammad Usman Awan	Developing a Structured Framework for Measuring the Police Efficiency	International journal of Quality & Realiability Management	Accepted 2017	✓		
7	Dr. Muhammad Shafiq	The effect of TQM on organizational performance: empirical evidence from the textile sector of a developing country using SEM	Total Quality Management & Business Excellence	2017	✓ 1.526		
8	Dr. Muhammad Shafiq	Service Quality Assessment of Hospitals in Asian Context: An Empirical Evidence from Pakistan	The Journal of Health Care Organization, Provision, and Financing	54	✓ 0.737	✓	
9	Dr. Muhammad Shafiq	Evauating quality standards' adherence in surgical care; a case study from Pakistan	International Journal for Quality in Health Care	30(2) 2017	✓ 2.554		
10	Dr. Muhammad Shafiq	How Do Patients Perceive and Expect Quality of Surgery, Diagnostics, and Emergency Services in Tertiary Care Hospitals? An Evidence of Gap Analysis from Pakistan	Oman Medical Journal	32(4) 2017			
11	Dr. Muhammad Shafiq	Innovation and Knowledge Management: A Literature Review and Research Framework	Journal of Quality an Technology Management	13(1) 2017		✓	
12	Mariam Altaf Tarar	Lean in Parallel with Green Manufacturing		2017			
13	Mariam Altaf Tarar	Lean system in worldwide Higher Education Institutes (HEIs)		2017			
14	Munir Ahmad	The Implementation of Six Sigma to Improve the processes by					✓



Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
		Reducing the Defect Rate in Apparel Manufacturing Industry.					
15	Munir Ahmad	To Optimize the Maintenance System of a Garments Manufacturing Industry Through Modeling.					✓
16	Munir Ahmad	Leveraging Six Sigma in gaining process excellence by reducing MIG Welding defects through Process Optimization in Automotive industry.					✓
17	Mr. Arslan Aslam	Impact of organizational justice and perceived creative performance mediating role of employee innovative behavior	International Journal of Scientific & Research Publication	VI 2016			✓

○ **Conferences, Seminars and Workshops, etc.**

- A monthly department level seminar of BSc (Engg) Industrial Engineering & Management students is organized.
- A monthly department level seminar of faculty is organized.

○ **Research Journals**

Institute publishes one research journal “Journal of Quality & Technology Management” which is recognized by HEC in X category.

OFFICE OF RESOURCE, INNOVATION & COMMERCIALIZATION (ORIC)

ORIC Organized / Participated in Workshops / Conferences / Seminars / Symposiums

1. ORIC Team participated in Lahore Science Mela organized by Lahore University of Management Sciences (LUMS) on January 28-29, 2017. The grand fair was an opportunity to engage citizens of all ages through stalls and exhibitions that celebrate science, engineering, medicine, technology and innovation. It was an unprecedented interaction of science with culture in Lahore.
2. ORIC Deputy Director Dr. Amir Shafiq participated in the conference on ‘Inclusion Entrepreneurial Themes in the Educational Syllabus’ in Punjab on February 08, 2017. organized by the Federation of Pakistan Chambers of Commerce & Industry (FPCCI), Lahore in collaboration with Mustaqbil (a registered nonprofit organization).



3. ORIC has organized “6th Invention to Innovation Summit 2017” on March 8-9, 2017 in collaboration with many public and private institutions. The Innovation Summit was included academic stalls, industrial stalls, posters display and number of cash and non-cash awards. The Summit included technology sessions where viable academic technologies presented for potential investors. The Summit attracted participation of ministers, secretaries, industry CEOs, scientists, funding agencies, students and social activists.
4. As per directives of ORIC Punjab University students attended Industrial Open House & Career Fair on April 4th, 2017, at University of Engineering & Technology, Lahore, University has embarked upon a novel idea and plan of affording an opportunity of intimate interaction and a get together of two major stakeholders’ i.e. potential employers and potential employees.
5. ORIC team along with faculty members from different Departments attended 2nd Innovation Summit, Balochistan-2017, held at University of Baluchistan, Quetta on April 25-26, 2017. ORIC Punjab University won 7 Innovation Awards and one special award. The innovation summit tied the Govt, Academia, social and Business community of Baluchistan for common cause of building innovative Baluchistan.
6. ORIC Deputy Director Mr. Muhammad Haris & Dr. Shahzad Maqsood Khan Asst. Professors from the Department of Polymer Engineering & Technology participated in World Intellectual Property Day 2017 on Wednesday, April 26, 2017 at Marquee Hall, Marriott Hotel, Islamabad.
7. ORIC organized two days workshop on “Patent Filing and Introduction to Intellectual Property System of Pakistan” on May 17-18, 2017 at KHORANA Hall, Institute of Chemistry.
8. On Wednesday, May 17, 2017, Punjab University signed an MoU with a Belgium-based PUM. The Netherland senior experts for improving quality of research, projects and others areas of mutual interest. MoU was signed by PU Vice Chancellor Prof Dr. Zaffar Mueen Nasar, Director ORIC Prof Dr. Tahir Jamil, PUM-Netherlands country coordinator Afghanistan-Pakistan Mr. Frans Friedman.
9. ORIC organized one day workshop on Entrepreneurship on 13th September, 2017 at Seminar Hall Department of Molecular Biology & Molecular Genetics (MMG). The trainer of this workshop Dr. Ali Sajid is a Professor of Management & Leadership, a Corporate Trainer and Community Development volunteer & Motivational speaker. This four hours introductory course helped the participants to learn how entrepreneurs use new opportunities to develop new products or services, launch new firms or even new industries and create wealth.
10. ORIC Officials attended the meeting at LUMS on 23 September, 2017 which was related to research, Innovation and Commercialization where all universities can contribute and collaborate and to promote regional and economic development through enhanced coordination and networking. This meeting helped out the participants in developing the culture of creating and sharing knowledge with one another and to figure out way to provide active support to faculty in their research endeavors. It would also give as an opportunity to establish a forum of ORIC’s in the Punjab region.



11. ORIC has participated in Show Casing Research Projects/Products in Regional Showcasing Event at Lahore University of Management Sciences (LUMS) on 27th September, 2017, in the occasion of Higher Education Commission 15 year celebration.
12. ORIC Organized one day workshop on NRPU Research Projects on 06 October, 2017. In this event, the resource person Dr. Mehboob Ahmed presented a demo about NRPU projects Submission to HEC.
13. ORIC submitted NRPU 143 projects to Higher Education Commission, Islamabad on 30 November, 2017.
14. ORIC has organized and participated in 3rd International Conference on Engineering Sciences on 21-22 December, 2017 at Institute of Chemical Engineering & Technology, University of the Punjab, Lahore.

SKILL DEVELOPMENT CENTRE

SDC is following the guidelines provided by the HEC and Quality Enhancement Cell of University of the Punjab.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Projects: (i) Completed**
Concept of Nafs in Quran and Modern Psychological Thought
- **Newly launched**
Quranic Concept of Religion
- **Publications: Books/ Edited.**
Funding by Punjab University

Sr. No.	Name of Author	Title of Paper/Article
1	Dr. Ihsan ur Rehman Ghouri/ Dr. Farooq Haider	کتب طبقات المفسرین کے منابع وخصائص
2	Dr. Hafiz Usman Ahmad	مقامات مقدسہ کے انہدام کی شرعی حیثیت
3	Prof. Dr. Muhammad Saad Siddqui / Nabila Falak	اجتہادات نبی و غیر نبوی۔ حجیت و مشروعیت میں فرق
4	Dr. Hafiza Shahida Parveen/ Khizar Hayat	شریعت اسلامیہ کی روشنی میں بیعانہ کے احکام
5	Prof. Dr. Tahira Basharat / Muhammad Afzal	اسلام کا نظریہ تکثیریہ
6	Asim Naeem / Dr. Ghulam Hussain Babar	اقبال اور افراد کی تربیت۔ پاکستان کے اسلامی تشخص کے تناظر میں۔



7	Prof. Dr. Muhammad Hammad Lakhvi/ Dr. Humaira Ahmad	The Challenge for Muslim Intellectuals: Unravelling the Postmodernist Enigma
8	Dr. Usman Ahmad	مدینہ منورہ کی طرف سفر کی شرعی حیثیت
9	Dr. Asim Naeem / Dr. Ghulam Hussain Babar	گردشِ دولت۔ اسلامی نظمِ معیشت کا ایک اصول
10	Prof. Dr. Muhammad Hammad Lakhvi/ Muhammad Arif	تصورِ جلال۔ اقبال اور رومانوی مفکرین کے افکار کا تقابلی مطالعہ
11	Dr. Shahida Parveen/ Dr. Ahmed Usman	Islamic Law of Inheritance: Awareness Among Women of the Punjab Iram Rubab
12	Prof. Dr. M. Saad Siddiqui/ Amir Hayat	An Islamic Perspective of Labour Unions
13	Dr. Usman Ahmad	المشہون برسول اللہ۔ کتب سیرت و متون حدیث کا مطالعہ
14	Dr. Usman Ahmad	المزمل کی تفسیر اشاری
15	Dr. Ihsan ur Rehman Ghuri/ Hafiz Muhammad Ramzan	کتاب الشفاء کا منہج و اسلوب
16	Dr. Ihsan ur Rehman Ghuri/ Dr. M. Dilshad Mohabbat	Objectives of Christian Missionary Education in the Colonial Punjab - A Critical Appraisal
17	Prof. Dr. Muhammad Saad Siddiqui / Dr. Nabila Falak	نبی ﷺ کے اصول۔ اجتہاد
18	Dr. Asim Naeem	سیرت نگاری میں مارٹن لنگو (1909ء-2005)
19	Prof. Dr. Muhammad Hammad Lakhvi / Sabahat Afzal	مطالعہ سیرت کا مادی منہج۔ تجزیاتی مطالعہ
20	Prof. Dr. Tahira Basharat / Umme Salma	مثالی نظام تعلیم کی تشکیل اور حکومتی ذمہ داریاں (عصر حاضر میں تناظر میں)
21	Prof. Dr. Muhammad Saad Siddiqui / Dr. Sultan Sikinder	مباحث سنت۔ فقہاء اصولیین اور صدر الشریعہ (عبید اللہ مسعود متوفی 747ھ) کے افکار کا تقابلی مطالعہ
22	Dr. Hafiza Shahida Parveen	پاکستانی خواتین میں مطالعہ قرآن کی عصری صورت حال۔ ایک جائزہ
23	Dr. Hafiz Hasan Mandni	قیادت کی تعیناتی کے شرعی اصول
24	Dr. Hafiz Hasan Mandni	تشدد و انتہا پسندی اور اسلام

- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation+Poster Presentation)
The Department conducted the following national conferences and international seminar during the period in question:



- Seminar on “دعوت دین میں طالبات کی ذمہ داریاں” 25-04-16
- Seminar on “وصیہ محب رسول” 24-11-16
- **Research Journals**
Two issues of “*Al-Qalam*” were published during the period in question.

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

- **Projects**
 - Department
Second Edition of the Urdu Encyclopedia of Islam
 - **Faculty**
Dr. Hafsa Nasreen
“A concise Encyclopedia of Quran”, Funded by the University of the Punjab Rs. 1,50,000, 2016-17 (in Process)
- **Publications**

Books

Dr. Zahira Nisar
Writings of Lala-e-Sahrai, Lala Sahrai Foundation, Lahore 2017

Dr. Muhammad Sadullah
Dignity of the Companions of Prophet Muhammad P.B.U.H, Dar ul-Kitab, Lahore, 2016
- **Conferences, Seminars and Workshops**
Dr. Hafsa nasreen
Two days International conference on “Reconstruction of thoughts, Education, society and civilization from an Islamic Perspective: Appraisal of Dr. Mahmood Ahmad Ghazi’s contribution” February 22-23 2017, organized by Dawah Academy, International Islamic University Islamabad, presented paper entitled: “Possible Aspects of study of Seerah in Future in the light of lectures on Seerah by Dr. Mahmood Ahmad Ghazi”.
- **Research Journals**
Dr. Muhammad Arshad
 - “Muhammad Asad: Twenty six Unpublished Letters,” *Islamic Science*, Vol. 14 (Summer 2016), No.1, pp. 25-66.
 - “Muhammad Asad and Pola Hamida Asad: Twenty-two Unpublished Letters”, *Islamic Sciences*, Vol. 14 (Winter 2016), No. 2, pp. 158-186.
 - “Letters of Nadvi Fellows to Ghulam Rasool Mihr”, *Bunyad*, (HEC Recognized), Vol. 7 (2016), pp. 133-183.
 - “Letters of Mir Sayyid Ghulam Bhik Nayrang”, *Sahifa*, No. 226-227 (2016), pp. 9-58.
 - “A Life in Letters: Muhammad Asad and Pola Hamida Asad to Muhammad Husain Babri, 1937-1963”, *Islamic Sciences*, Vol. 15 (Summer 2017) No. 1, pp. 2-71.
 - “Makatib-i-Abdul Majid Qarshi”, *Sahifa*, No. 228-229 (January – June 2017), pp. 53-196.



Dr. Hasfa Nasreen

- “The Battle of Badr-Defensive or Offensive: A Critical analysis of variant Interpretations” in *al-Ayyam*, (HEC Recognized) Karachi (Jan-Jun) 2017, vol:8, No1:11
- “A critical analysis of the views of Ibn Warraq about the Historical status of Ibn Masud r.a.” in *Journal of Islamic and Religions Studies*, Hari pur, (Jan-June) 2017, Vol. 2, No:1
- “Allama Rashid-ul-Khairi- Just a Painter of Grief!” in *Urdu Research Journal*, New Dehli, India, 2017, vol:3, No: 10

Dr. Zahira Nisar

“Munawwar Khan Ghafil: the lost Papers” in *Arts and Letters*, New Dehli, India 2016.

Sidra Rasool (co 3RD author)

Achieving the objects of Interest free Economy: Challenges and Prospects” in *Comsats Journal of Islamic Finance*, Lahore, 2017, Vol: 2, No:1.

SHEIKH ZAYED ISLAMIC CENTRE

○ **Publications**

- Dr. Muhammad Ijaz (Director, Sheikh Zayed Islamic Centre)
امام شعرائی کے نزدیک ائمہ فقہ کے مابین اختلافات کی شرعی حیثیت
- Dr. Ishtiaq Ahmad Gondal (Assistant Professor, SZIC)
Revivification of Educational System: A Life Long Struggle of Bediuzzaman Said Nursi
- Dr. Hafiz Abdul Basit Khan (Assistant Professor, SZIC)
استقامت حاصل کی حدود و قیود اور جدید فقہی تحقیقات
- Dr. Samina Saadia (Assistant Professor, SZIC)
سرکاری مناصب و ذرائع کا ذمہ دارانہ استعمال (تعلیمات نبوی کی روشنی میں)

○ **Conferences, Seminars and Workshops, etc.**

Sheikh Zayed Islamic Centre organized different seminars according to the following detail:

- Date : 15-02-2017
Topic : Significance of Islamic History
Speaker: Prof. Dr. Farhan Niazam
Oxford University, London
- Date : 23-02-2017
Topic : Iqbaliat
Speaker: Prof. Anwar Masood
- Date : 02-03-2017
Topic : Istakham e Pakistan aur Islam
Speaker: Dr. Dost Muhammad



Date : 21-09-2017

Topic : برہان الہیہ اور امت مسلمہ

Speaker: Mian Abdul Shakoor
President Al-Khidmat Foundation

Date : 14-12-2017

Topic : Dignity for All and Everywhere

Speaker: Mr. Jan Figel
EU Envoy for Freedom of Religion or Belief

○ **Research Journals**

A bi-annual and multilingual research journal "Al-Adwa" is being published by the Centre which is an approved journal of Higher Education Commission (HEC) in "Y" Category. Dr. Muhammad Ijaz, Director Sheikh Zayed Islamic Centre is Chief Editor and Dr. Hafiz Muhammad Abdul Qayyum is the Editor of the above said journal.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

○ **Research & Development**

Name	Title	Funding
Dr. Shazia Qureshi	Pragmatic Expositions on Right to Development (RTD) as Human Right in the Contextual Perspectives of International Human Rights Instruments: Prospects, Challenges and Constitutional Developments in Pakistan sent to Higher Education Commission, Islamabad, under Thematic. Research Grant Program, Principal Investigator: Dr. Shazia Qureshi and Co-Principal Investigator: Mr. Naeemullah Khan	Higher Education Commission, Islamabad.
	Legal Implications of SPS Standards in the WTO Regime: Challenges and Opportunities for Pakistan in the Global Market.	Punjab Higher Education Commission

○ **Projects: Completed**

Yes Duration 01 Year,

Sponsoring agency/funding:

Punjab University/PHEC/HEC



○ **Publications: Books/Edited**

Global Legal Systems and Constitutional Libretto in Pakistan

Author: Naeemullah Khan, Assistant Professor

Publisher: Manzoor Law Book House

○ **Research Journals**

Syeda Azra Batool, Hafiz Khalil Ahmad & Shazia Noureen Qureshi, "Impact of demographic Variables on Women's Economic Empowerment: An Ordered Probit Model", (2017), Journal of Women & Aging, Vol. 23, No.1, Published online (Taylor & Frances)

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Research & Development**

Research courses are taught at both undergraduate and graduate level. Individual research projects are essential requirement for students of master's and doctorate level and undergraduate students. Research supervisors are assigned to every student undergoing their research project at master's and doctorate level. 33 research theses are completed and added to library during this year by the MS students and 31 by BS (4 Years) students.

- Development of Sonja Language Elicitation Games Ms.Sharmeen Aslam & Ms. AnamYousaf & Saboor Zafar on 20th & 21st February, 2017)
- Development of Sonja language elicitation games conducted Ms.Sharmeen, Ms.Saira Ambreen & Ms. Anam Yousaf and Saboor Zafar on 6th & 7th March, 2017)
- Development of language elicitation protocol [(morph syntactic), Ms.Sharmeen, Ms. Nayab, Zahra & Hania Shabir on 4 & 5 April, 2017)
- Development of recording protocol (Ms. Sharmeen & Ms. Arooj Khan, on 8th April, 2017)

○ **Projects: Completed**

Sr. No.	Name of Faculty	Project Name	Duration	Sponsoring Agency	Funding	Present Status
1	Ms. Faiza Safdar	Inflated Responsibility, Meta-cognition and Anxiety Control in Symptomology of Obsessive Compulsive Disorder	One Year	Punjab University	150000	Completed



○ **Newly launched**

Sr. No.	Name of Faculty	Project Name	Duration	Sponsoring Agency	Funding	Present Status
1	Prof. Dr. Rukhsana Kausar (Co-PI)	Psychological and Neurological Functioning of Elderly: A Comparison of Punjab and GilgitBaltistan (continued).	Three Years	HEC	6.5 million	Continue
2	Prof. Dr. Rukhsana Kausar (PI) & Dr. Nashi Khan (Co-PI)	Efficacy of Children and Disaster Recovery Techniques with Flood Stricken Children in Southern Punjab Pakistan (continued).	Three Years	HEC	6.312 million	Continue

○ **Conferences, Seminars and Workshops, etc. (Organized by Centre for Clinical Psychology)**

Name of Resource Person	Sponsors	Presentation Oral / Poster	Topic	Date
Prof. Dr. Altaf Qadir	CCP	Oral	"Mental State Examination"	26 th Oct, 2016
Ms. Sunniya	CCP	Oral	"Research Designs in Public Health"	23rd Nov, 2016
Ms. Hina Saleem	CCP	Oral	Lecture on "Applied Behavior Analysis"	14 th Dec, 2016
Mrs. Nilofer Afaq	CCP	Oral	"Social Skill Training"	7 th Dec, 2016
Mrs. Shahida Tanveer	CCP	Oral	"Management of Headaches"	1 st Feb, 2017
Mrs. Shahida Tanveer	CCP	Oral	"Management of Headaches"	8 th Feb, 2017
Mr. M. Faran Ali	CCP	Oral	Structural Equation Modeling with AMOS	7 th & 8 th Sept, 2017
Mrs. Shahida Tanveer	CCP	Oral	"Management of Headaches"	15 th Feb, 2017
Ms. Sharmeen, Saboor Zafar, Huma Khalid, & Iqra Saeed	CCP	Oral	Practice Workshop	24 th , 26 th , 27 th , 28 th April, & 2 nd May, 2017)
Dr. Shafiq Ur Rehman	CCP	Oral	Qualitative Data Analysis through NVIVO	15 th Aug, 2017
Ms. Mirrat Gul Butt	CCP	Oral	"Interpersonal Psychotherapy"	27 th Sep, 2017



○ **Conferences, Seminars and Workshops, etc.** (sponsors, oral presentation+poster presentation)

Sr. No	Faculty Member	Conferences, Seminar and Workshop
1	Prof. Dr. Rukhsana Kausar	Nida Zafar, Rukhsana Kausar and Stale Pallesen. "Psychopathic Traits and Aggression in Adolescents: Are Violent Movies Playing Moderating Role?" ORAL presentation in Violence and Society International Conference held on 18 th March, 2017 at University of Warsaw, Poland.
2	Prof. Dr. Rukhsana Kausar	Rukhsana Kausar. "Gender Differences in Psychopathic Personality Traits, Perception of Peer Pressure and Reckless Behavior in Late Adolescents" ORAL presentation in 6 th International Conference on Psychology of Gender in Perspective: Issues and Challenges (ICPG 2016) held on 1 st -2 nd December, 2016, organized by the National Institute of Psychology (NIP), Quaid-e-Azam University, Islamabad.
3	Prof. Dr. Rukhsana Kausar	Rukhsana Kausar and Azba Sohail. "Work Demands, Work-Family Conflict and Job Satisfaction in Nurses" ORAL presentation in the 35 th Year Annual Conference cum Convocation, IMSACON 2016 held on 7 th – 8 th October, 2016 at Balaclava, Mauritius.
4	Prof. Dr. Rukhsana Kausar	4 th International Social Sciences Conference on "Regional and International Cooperation: Problems and Prospectus 2016" held on 26 th -27 th October, 2016 at Higher Education Commission, Islamabad.
5	Prof. Dr. Rukhsana Kausar	Chaired Session in 6 th International Conference on Psychology of Gender in Perspective: Issues and Challenges (ICPG 2016) held on 1 st -2 nd December, 2016, organized by the National Institute of Psychology (NIP), Quaid-e-Azam University, Islamabad.
6	Prof. Dr. Rukhsana Kausar	Resource Person, Training Workshop for the Editors of HEC Recognized Journals of Islamabad at HEC Regional Centre, Lahore held in Islamabad, 17-18 April, 2017.
7	Dr. Nashi Khan	Paper Presented on "Family Interactions and Self-harm among Women Prisoners" in International Conference on Psychology of Gender in Perspective Issues and Challenges. National Institute of Psychology, Islamabad, Pakistan. 1 st -2 nd December, 2016



8	Dr. Nashi Khan	Paper Presented on "Perception about Psychiatric Illness by Patients Suffering from Psychiatric Illness In Relation to Demographic Characteristics" in 35 th Year Annual Conference cum Convocation IMSACON. International Medical Science Academy (IMSA). Mauritius. 7 th - 8 th October 2016
9	Dr. Saima Dawood Ms. Tehreem Arshad Ms. Humaira Naz Ms. Aasma Yousaf Ms. Faiza Safdar Ms. Rabia Dasti Ms. Hidna Iqbal	35 th Annual Conference of International Medical Sciences Academy (IMSACON-2016) on October 6 - 8, 2016 held at Hotel Le Meridian, Mauritius.
10	Ms. Humaria Naz	3 Day International Conference on Health Psychology: Issues & Challenges organized by Government College University, Lahore on 26 th – 28 th April, 2017.
11	Ms. Humaria Naz Ms. Aasma Yousaf Ms. Rabia Dasti	1 st International Conference "Clinical Psychology and Developing World: Issues, Challenges and Solutions" organized by Institute of Clinical Psychology, University of Management and Technology, Lahore Pakistan on March 9 th - 10 th , 2017.
12	Ms. Humaria Naz	6 th International conference on Psychology of Gender: Issues and Challenges organized by National Institute of Psychology, Quaid e Azam University Islamabad, 1 st -2 nd December, 2016.
13	Ms. Tehreem Arshad	Verda Zahid & TehreemArshad(2017) Personality Dimensions & Functional Impairment AmongMassively Multiplayer Online players Mmos. Presented in 1 st International conference of Institute of Clinical Psychology, University of Management and Technology, Lahore on Clinical Psychology and the Developing world: issues, challenges and solutions March 9 – 10 th , 2017.
14	Ms. Tehreem Arshad	AsmaNazir&tehreemArshad (2017) Pregnancy Concerns and Psychological Distress in High- Risk Pregnant women Presented Presented in 1 st International conference of Institute of Clinical Psychology, University of Management and Technology, Lahore on Clinical Psychology and the Developing world: issues, challenges and solutions March 9 – 10 th , 2017.



15	Ms. Tehreem Arshad	Ashad, T. (2016). Intrusiveness, Appraisal and Thought Control Strategies In patient with Obsessive Compulsive Disorder, at IMSACON, 2016, 35 th year Annual Conference of International Medical Sciences Academy, Mauritius.Oral Paper.
16	Ms. Tehreem Arshad	Arshad, T., & Ahmad, S., & Kausar, R. (2016). Psychological Correlates of Distress in Rescue 1122 workers in Pakistan. Poster presented at 6 th International Conference: "Psychology of Gender in Perspective: Issues and Challenges" National Institute of Psychology, Quaid-e-Azam, University, Islamabad on1 st -2 nd December, 2016.
17	Ms. Tehreem Arshad	Azhar, M., & Arshad, T. (2016). Parental Acceptance-Rejection, Self-Perception and Coping Styles of Patients with Depression. Poster presented at 6 th International Conference: "Psychology of Gender in Perspective: Issues and Challenges" National Institute of Psychology, Quaid-e-Azam University, Islamabad on1 st -2 nd December, 2016.
18	Ms. Tehreem Arshad	Munir, N., & Arshad, T. (2016). Neuroticism, Perfectionism and coping Strategies among patients with Depression and Anxiety (2012). Poster presented at 6 th International Conference: "Psychology of Gender in Perspective: Issues and Challenges" National Institute of Psychology, Quaid-e-Azam University, Islamabad on1 st - 2 nd December, 2016.
19	Ms. Tehreem Arshad	3 day International Conference on Health Psychology: issues and Challenges on 26 th - 28 th April, 2017, organized by Government College Lahore.
20	Ms. Tehreem Arshad	1 st International conference "Clinical Psychology and the developing World; issues Challenges an solution .organized by Institute of Clinical Psychology, University of Management and Technology, Lahore. On 9 th -10 th March, 2017.
21	Ms. Tehreem Arshad Ms. Aasma Yousaf	Attended 6 th International CBT Conference: Evidence Based Approaches to Mental Health, Care; Integrating Psychopharmacology and Cognitive Behavior Therapy, Services Institute of Medical Sciences, Lahore, held on 20 th February, 2016.



22	Ms. Tehreem Arshad Ms. Aasma Yousaf Ms. Faiza Safdar	Attended 6 th International Conference: “Psychology of Gender in Perspective: Issues and Challenges” National Institute of Psychology, Quaid-e-Azam University, Islamabad held on 1 st -2 nd December, 2016.
23	Ms. Aasma Yousaf	Drug Addiction Convention on “Drug Addiction is a Treatable Disease” organized by Global NGO, Rehman & Research Centre and Lahore Psychiatric Professionals held on July, 2017.
24	Ms. Aasma Yousaf Ms. Faiza Safdar	Participation in a seminar “Quality Assurance in Education” held on 3 rd April, 2015 organized by Quality Enhancement Cell in Collaboration with PIQC Institute of Quality.
25	Ms. Aasma Yousaf	Yousaf & Malik. (2016). Cognitive Appraisals, Marital Adjustment and Psychological Distress in Couples after Miscarriage at IMSACON, 2016, 35 th year Annual Conference of International Medical Sciences Academy, Mauritius.
26	Ms. Aasma Yousaf	Tahseen & Yousaf. (2016). Self-objectification, Objectified Body Consciousness and Eating Attitudes in Men & Women at 6 th International Conference: “Psychology of Gender in Perspective: Issues and Challenges” National Institute of Psychology, Quaid-e-Azam, University, Islamabad on 1 st -2 nd December, 2016.
27	Ms. Aasma Yousaf	Asif & Yousaf. (2016). Personality Traits, Celebrity Idealization And Body Esteem Among Adolescents & Young Adults at 6 th International Conference: “Psychology of Gender in Perspective: Issues and Challenges” National Institute of Psychology, Quaid-e-Azam, University, Islamabad on 1 st -2 nd December, 2016.
28	Ms. Faiza Safdar	Safdar, F., & Rehman, K., N., (2017). Level of Death Anxiety among Cancer Patients and Non-Cancer Participants with reference to Living Arrangements” in Pakistan Journal of Professional Psychology: Research and Practice.
29	Ms. Faiza Safdar	Farooq, A., Anam J., & Safdar, F. (in press). Perceived Social Support and Coping Strategies among Women Having Pregnancy Loss. Fatima Jinnah Women University Journal of Social Sciences.



30	Ms. Faiza Safdar	Nuzhat-ul-Ain, N., & Safdar, F. (2016). Spousal Relationship and Psychological Distress in Women School Teachers. Journal of Pakistan Psychiatric Society.
31	Ms. Faiza Safdar	Faiza Safdar, Marwah Badar, Mmoona Bokhari, Urwa Naseer, & Ammara Waheed, (2016) Adverse childhood experiences and impulsivity in late adolescents and young adulthood in Pakistan Journal of Professional Psychology: Research and Practice.
32	Ms. Faiza Safdar	Safdar, F., & Khan, N. (accepted an in process of publication) Parental Psychological Control, Emotional Dysregulation and Aggression in Adolescence in Pakistan Journal of Psychological Research
33	Ms. Faiza Safdar	Safdar, F., Amjad, A. & Shafiq, B. (26-28 th April, 2017) Social Networking Sites and Social Comparison in Young Adults Government College University
34	Ms. Faiza Safdar	Safdar, F., Khawar, A., & Inam, S. (9-10 th March, 2017) Fear of Missing Out and Compulsive Smart phone Usage University of Management and Technology NIP, 2016
35	Ms. Faiza Safdar	Saman, M., & Safdar, F. (2016). Mindfulness, Body Image Concerns and Sexual Self Concept in Issueless Women. Presented at 6 th International Conference on Psychology of Gender in Perspective: Issues and Challenges (1 st and 2 nd December, 2016).
36	Ms. Faiza Safdar	Falak, S & Safdar, F. (2016) "Perceived Discrimination, Social Support, and Psychological Distress in Transgender" in the 6th International Conference on Psychology of Gender in Perspective: Issues and Challenges on 1 st -2 nd December, 2016 organized by National Institute of Psychology, Quaid-e-Azam University, Islamabad.
37	Ms. Faiza Safdar	Komal, A., Chandni, H., & Safdar, F. (2016). Childhood Abuse, Neglect and Personality Disorders in Drug Users. IMSACON2016 Mauritias
38	Ms. Rabia Dasti	Oral presentation of Perceived stress, ego-depletion and subjective fatigue in medical internees in 1 st International conference of Institute of Clinical Psychology, University of Management and Technology, Lahore on Clinical Psychology and the Developing world: issues, challenges and solutions March 9 – 10 th , 2017.



39	Ms. Rabia Dasti	Oral presentation of Perceived stress, ego-depletion and subjective fatigue in medical internees, at IMSACON, 2016, 35 th year Annual Conference of International Medical Sciences Academy, Mauritius on October 2016
----	-----------------	--

○ **Research Journals**

Sr. No.	Name of Author	Title of Paper / Article
1	Batool, S., Kausar, R., Naqvi, G., Javed, A., & Tufail, H.	Menopausal Attitude and Symptoms in Peri and Post-Menopausal Working Women. Pakistan Journal of Psychological Research, 2017, Vol. 32 (1), 55-75 (HEC X Category).
2	Ambreen, S., Bashir, N., Tarar, S., & Kausar, R.	Acoustic Analysis of Normal Voice Patterns in Pakistani Adults. Journal of Voice. http://doi.org/10.1016/j.voice.2017.003 . IF
3	Waheed, I., Batool, S. & Kausar, R.	Parents' Personality, Family Environment and Pakistani Adolescents Personality. Journal of Behavioural Sciences, Vol. 27(1), 38-56, (HEC X Category).
4	Inam, A., Kausar, R., & Abiodullah, M.	Does having a Sibling with Autism affect one's Self Concept? An Empirical Research. Isra Medical Journal, 9 (3), 166-170. (HEC X Category).
5	Dr. Nashi Khan	Common Mental Health Problems in University Students: Exploratory Analysis. Journal of Behavioral Sciences. ISSN-1028-9097.(2016), 26 (1) ,82-97. X category.
6	Dr. Nashi Khan	Demographic Characteristics of Clinical Psychology Internees. FWU-Journal of Social Sciences. ISSN: 1995-1275. (2016), 26 (1), 82-97. X category.
7	Dr. Nashi Khan	Gender Differences in Common Mental Disorders. Pakistan Journal of Clinical Psychology. ISSN: 1019-1275. (2016), 15 (1), 21-32. Y category.
8	Dr. Nashi Khan	Translation and Cross-cultural Validation of Children Rejection Sensitivity Questionnaire (CRSC) for Pakistani adolescents. Pakistan Journal of Psychological Research. ISSN: 1016-0604. (2017), 32(1), 297-315. X Category
9	Dr. Saima Dawood	Psychosocial Predictors of Posttraumatic Growth in Patients after Myocardial Infarction. Pakistan Journal of Psychological Research (PJPR). ISSN: 1016-0664. (2016) 31 (2), 365-381. X category
10	Dr. Saima Dawood	Obsessive Beliefs in patients with Obsessive Compulsive disorder: The role of Attachment Styles. Journal of Pakistan Psychiatric Society (JPPS).ISSN: 1726-8710. (2016) 13 (3), 12-15. Y category
11	Dr. Saima Dawood	Psychological Disorders among Prisoners in Pakistan. Journal of Pakistan Psychiatric Society (JPPS). ISSN: 1726-8710. (2017), 30 (2), 17-20. Y Category.



12	Dr. Aisha Sitwat	Psychological Well-Being, Social Support and Self-Efficacy: A Comparison of Non-Resident Adolescents of Religious and Non-Religious Schools” submitted on 12 th of April 2017, PJPR. NIP
13	Dr. Aisha Sitwat	Ashraf, M. & Sitwat, A. (2016). Personality Dimensions, Positive emotions and coping strategies in care givers of people living with HIV in Lahore, Pakistan. International Journal of Nursing Practice, doi: 10.1111/ijn, 12444.
14	Ms. Humaria Naz	Zainab, N. & Naz, H. (2017). Daily living functioning, Social engagement and wellness of older adults. Special Thematic Section on Aging and Health in Different Socio Cultural Context: Psychology Community & Health, 6(1), 93-102. doi.
15	Ms. Tehreem Arshad	Illyas, N.; & Arshad, T. (2017). Spiritual Intelligence, Work-Family Conflict and Psychological Distress among University Teachers. Bahria Journal of Professional Psychology. 16(1) 01-25
16	Ms. Tehreem Arshad	Arshad, T. (2017). Perceived Stress reactivity, Rumination and Cognitive Emotion Regulation as Predictors of Depression. Journal of Pakistan Psychiatric Society (JPPS), 14(1) 08-13
17	Ms. Tehreem Arshad	Arshad, T., & Hafeez, N. (2016). Religiosity social support and the level of distress in miscarriage. Pakistan Journal of Professional Psychology: Theory and Practice, 7.
18	Ms. Aasma Yousaf	Farooq & Yousaf. (2016). Childhood Trauma and Alexithymia in Patients with Conversion Disorder. Journal of the College of Physicians and Surgeons Pakistan (JCPSP). 26 (7). 606-610.
19	Ms. Aasma Yousaf	Latif & Yousaf. (2017). Hypoactive Sexual Desire Disorder, Sexual Distress and Quality of Life in Women with Surgical and Natural Menopause. Journal of the Society of Obstetric and Gynecologists of Pakistan (JSOGP). Vol. 7 (1).
20	Ms. Faiza Safdar	Safdar, F., & Rehman, K., N., (2017). Level of Death Anxiety among Cancer Patients and Non-Cancer Participants with reference to Living Arrangements” in Pakistan Journal of Professional Psychology: Research and Practice.

○ **Research Journals**

Pakistan Journal of Professional Psychology: Research & Practice 8th Issue is in process. CCP has published 4th volume of the Psychological Abstracts. Its electronic copy is also available at Centre's web link (<http://pu.edu.pk/home/departments/45/Centre-for-Clinical-Psychology>).



RESEARCH COLLABORATION

○ Indigenous

- Prof. Dr. Rukhsana Kausar (Co-Principal Investigator), project on “Cognitive and Neurological Functioning of Elderly: A comparison of Punjab and GilgitBaltistan” with Prof. Dr. Najma Najam, Professor Emeritus, Institute of Applied Psychology and Former Vice Chancellor, Karakoram International University in collaborative with HEC (continued).
- Prof. Dr. Rukhsana Kausar (Principal Investigator) and Dr. Nashi Khan (Co-PI) project on “Efficacy of Children and Disaster Recovery Techniques with Flood Stricken Children in Southern Punjab Pakistan” in collaborative with HEC (continued).

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

○ Research & Development

Centre of Excellence in Molecular Biology continues its aim of advance teaching and research in the field of molecular biology as in previous years. It has provided a platform to the scholars and scientists to work in an innovative environment. This state of the art molecular biology research facility has greatly contributed in the development, improvement and identification of new methods for disease diagnosis and drug development. Different research groups like stem cells, plant genomics, plant biotechnology, seed biotechnology, Plant biosafety studies Molecular Medicine, hereditary diseases, applied and functional genomics, biopharmaceuticals, forensic science, molecular virology and bioinformatics groups are working in an integrated manner. The Punjab Seed Council, in its 49th meeting held on 25-10-2017 has approved CEMB-66 double Bt genes cotton variety for general cultivation in the Punjab Province. The excellent teaching and research environment in the Centre attract the scientists and researchers from national and international organizations to work and exchange knowledge for the betterment of humanity.

○ Projects: Completed

- Project entitled “A Molecular Approach to Prevent Hereditary Blindness in Pakistan” funded by HEC.
- Project project entitled “The Development of Oligonucleotide Microarray and its use in the Analysis of Abiotic Stress” funded by HEC
- Project entitled “Cellular Characterization of Cotton Universal Stress Protein USP Genes and Their Role in Drought Stress” funded by HEC.
- Project entitled “Transformation of Bt Cotton with Transcription Factor Gene of Gossypium Arboreum to Enhance Drought Tolerance” funded by HEC.
- Project entitled “Transformation of Gene Constructs and Genetically Engineered Germplasm Resources Commercial Genotype Resistant to Develop Cotton Leaf Curl Disease and for its Insects Vector” funded by ICARDA.
- Project entitled “Genetic Improvement of Cotton for Herbicide and Bollworms Tolerance” completed funded by HEC.



- Project entitled “Development and commercialization of indigenous Bt and herbicide tolerant Maize hybrids” completed funded by PARB.
- Project entitled “Genetic improvement of sugar cane for herbicide and Borer resistance” completed funded by PARB.
- Project entitled “Development and commercialization of cotton leaf curl virus/tolerant indigenous transgenic Bt and glyphosate resistant cotton hybrids” completed funded by PARB.

○ **Newly Launched:**

Sr. #	Name of the Projects	Sponsoring Agency	Funding Million / Rs.
1.	Identification and Isolation of Wax Genes From Local Cultivars of Gossypium Arboreum to Breed CLCuV Tolerance Resistance in G. Hirsutum	HEC	6.497
2.	Identification of Molecular factors required for Regeneration of cotton	HEC	3.45
3.	Screening of Cyclopeptides and Anti HCV Therapy	HEC	0.325
4.	Efficacy of Combination of Antioxidants in Protecting MSCs against Oxidative Stress Conditions	HEC	0.499
5.	Robust Production of Recombinant Collagen & Elastin Protein in Serum-free Adapted 293T Cell Line using Ubiquitous Chromatin Opening Elements Containing Lentiviral Vectors	HEC	14.893
6.	Studies on streamline molecular approaches to Hepatitis C implication for patient management and public health	HEC	4.52
7.	Development of Albumin Fusion Technology for Potent Long Lasting Consensus Interferon (IFN CON-1)	HEC	3.7
8.	Exploitation of stem cells for the repair of damaged skin	HEC	3.65
9.	Human epidermal growth factor (rhEGF) production from in-house developed recombinant strain of yeast (<i>Pichia pastoris</i>).	HEC	4.25
10.	Identification and transcriptome profiling of novel microRNAs in hepatitis C virus induced liver diseases by next generation sequencing (NGS) of small RNA cDNA libraries.	HEC	3.37
11.	To investigate the genetic basis of Retinitis pigmentosa in Pakistan	HEC	6.522
12.	Identification and Characterization of genes Responsible for hearing Impairment in Pakistani population	HEC	8.405



13.	Molecular characterization of Hearing Impairment/Intellectual Disability research in Pakistani population	HEC/IPFP	0.5
14.	Novel approach to generate wide spectrum resistance to all cotton Begomoviruses infecting cotton and other cultivated crops	PARB	1.142
15.	Homozygosity mapping to investigate genetic basis of X-linked intellectual disability (XLID) in Punjab	HEC	0.5
16.	Genetic improvement of potato against cold induced sweetening through integration of anti-sweetening gene	HEC	8.192
17.	Baseline susceptibility of corn stem borer (<i>Chilo partellus</i>) in Pakistan to Cry1F and cry1Ab toxin	Academia-industry joint venture with DuPont USA/Pioneer Seed Company.	US\$ 8000

Publications: National and international

Sr #	Name of Author	Title of Paper/Article
1.	Aaliya K, Qamar Z, Nasir IA, Ali Q, Farooq AM and Husna T. (2016).	Transformation, evaluation of GTGene and multivariate genetic analysis for morpho-physiological and yield attributg traits Zea mays. Genetika , 48(1):423-433. (0.308)
2.	Abbas GH, Shahid MR, Mahmood A, and Ali Q. (2016).	Characterization of plant spacg best fit for economic yield, fiber quality, whitefly and CLCuV disease management on upland cotton. Nat Sci 14(5):12-16.
3.	Abbas GH., A. Mahmood and Qurban Ali (2016):	<i>Zero tillage: a potential technology to improve cotton yield. Genetika</i> , 48(2): 761-776.
4.	Afzal H, Zahid K, Ali Q, Sarwar K, Shakoor S, Nasir U, Idrees Ahmad Nasir. (2016)	Role of Biotechnology in Improving Human Health. J MolBiomarkDiagn 8: 309.
5.	Ahmed F, Mahmood N, Shahid S, Hussain Z, Ahmed I, Jalal A, Ijaz B, Shahid A, Mujtaba G, Mustafa T (2016).	Mutations in Human Interferon $\alpha 2b$ Gene and Potential as Risk Factor Associated with Female Breast Cancer. Cancer Biother Radiopharm .31(6):199-208. doi: 10.1089/cbr.2016.2046.



6.	Ali A, Awan M S, Nasir IA, Rao AQ and Husnain T. (2016)	Evaluation of two Cotton Vrieties CRSP1 and CRSP2 for Gnetic Transformation Efficiency, Expression of Transgenes Cry1Ac+Cry2A, GT Gene and sect Mortality. Biotechnology Reports 9 66–730147
7.	Ali A, Iqbal M, Ali Q, Razzaq A and Nasir IA. (2016)	Gene Profilg for vertase Activity: Assessment of Potato Varieties for Resistance towards Cold duced Sweeteng. Adv. Life Sci. 3(2): 63-70
8.	Ali A, Nasir IA, Muzaffar A., Iqbal S, Rao AQ. and Husna T. (2016).	Screening of Potato Germplasm Resistant against low Temperature Sweetening. Journal of Food Quality Fb,2016 1-10 DOI:10.1111/jfq.12196
9.	Ali M, Afzal S, et al., (2016)	A systematic review of treatment response rates in Pakistani hepatitis C virus patients; current prospects and future challenges, Medicine 95: 50(e):5327
10.	Ali MZ, Ali Q, Jaffar MAB, Anwar MW, Sadaqat HA, and Nasir IA. (2016)	Genetic variability among different traits of Lepidiumdraba. Nat Sci. (2016). 14(4):109-113.
11.	Ali Q, Ahsan M, Malook S, Kanwal N, Ali F, Ali A, Ahmed W, Ishfaq M, and Saleem M. (2016).	Screening for drought tolerance: comparison of maize hybrids under water deficit condition. Adv. Life Sci. 3(2): 51-58
12.	Amin I, Naz S, Shahid M, Afzal S, Ashraf U, Rasheed A, Rasul A, Nawaz R, Zahid S, Almas I, Zahid K, Manzoor F, Idrees M (2016).	Inhibitory Effects of Thiazolide Compounds against Hepatitis C virus: in vitro Study. Int J Virol Mol Biol: 5(2): 27-33.
13.	Anwar MW, Ali Q, Ali MZ, Jaffar MAB, Khan TM and Nasir IA. (2016).	Genetic association among morphological and plant growth related traits of Medicagopolymorpha. NY Sci J. 9(4):27-31.
14.	Aslam S, Latif MS, Daud M, Rahman Z, Tabassum B, Riaz MS, Khan A, Tariq M and Husnain T. 2016.	Crimean-Congo hemorrhagic fever: Risk factors and control measures for the infection abatement (Review). Biomedical Reports 4: 15-20.
15.	Awan MF, Ali A, Muzaffar A, Abbas MA, Rao AQ, Nasir IA, Khan GA, Butt SM, Rasheed B, Qamar Z and Husnain T. (2016).	Transgenic Cotton: Harborg Broad Term Resistance against insect and Weeds through corporation of CEMB Double Bt and cp4epsps Genes. Pakistan Journal of Agricultural Sciences , DOI: 10.21162/PAKJAS/16.2007



16.	Awan Z, Idrees M, Hussain A, Rehman IU, Ali M, Afzal S, Ali L, Butt S, Saleem S, Amin I, Shahid M, Butt AM, Kamal A. (2016).	Influence of Hepatitis B Virus Genetic Heterogeneity on Treatment Response Against Lamivudine and Interferon in Pakistani Isolates. Anti-Infective Agents : 14(2):121-125.
17.	Awan, Sana Javaid, Maria Tayyab Baig, Faiza Yaqub, Asima Tayyeb, and Gibran Ali (2017).	"In vitro differentiated hepatic oval-like cells enhance hepatic regeneration in CCl4-induced hepatic injury." Cell Biology International Vol 41(1): 51-61.
18.	Azam, M., Shahid, A. A., Majeed, R. A., Ali, M., Ahmad, N., & Haider, M. S. (2016).	First Report of <i>Penicillium biourgeianum</i> causing Post-Harvest Fruit Rot of Apple in Pakistan. Plant Disease , PDIS-10
19.	Bashir H., Ahmed, N., Khan, M. A., Zafar, A. U., Tahir, S., Khan, M. I., Khan, F & Husnain, T. (2016).	Simple procedure applying lactose induction and one-step purification for high-yield production of rhCIFN. Biotechnology and applied biochemistry . 63: 5 (1): 708-114
20.	Biswas P, Chavali VR, Agnello G, Stone E, Chakarova C, Duncan JL, Kannabiran C, Homsher M, Bhattacharya SS, Naeem MA, Kimchi A, Sharon D, Iwata T, Riazuddin S, Reddy GB, Hejtmancik JF, Gerogiou G, Riazuddin SA, Ayyagari R (2016).	A missense mutation in the ASRGL1 gene is involved in causing autosomal recessive retinal degeneration. Hum Mol Genet .25(12):2483-2497.
21.	Baira Wahid · Amjad Ali · Shazia Rafique · Muhammad Idrees (2016).	Zika: As an emergent Asian Pacific Journal of in epidemic Tropical Medicine 9(8) DOI: 10.1016/j.apjtm.2016.06.019.
22.	Baira Wahid · Amjad Ali · Muhammad Idrees · Shazia Rafique (2016).	Immunotherapeutic strategies for sexually transmitted viral infections: HIV, HSV and HPV. DOI: 10.1016/j.cellimm.2016.08.001
23.	Butt AM, Raja AR, Siddique S, Khan JS, Shahid M et al. (2016)	Parallel expression profiling of hepatic and serum microRNA-122 associated with clinical features and treatment responses in chronic hepatitis C patients Scientific Reports 6, Article number: 21510 (2016) doi:10.1038/srep21510.



24.	Chaudary, T., Shahid, A. A., Asif, M., Asghar, F., Majeed, R. A., Ali, M., & Anwar, W. (2016).	First Report of <i>Curvularialunata</i> Causing Leaf Spot Disease of <i>Solanum melongena</i> (Eggplant) In Lahore, Pakistan. Plant Disease , PDIS-04. http://dx.doi.org/10.1094/PDIS-04-16-0454-PDN .
25.	Faridi, R., Rehman, A.U., Morell, R.J., Friedman, P.L., Demain, L., Zahra, S., Khan, A.A., Tohlob, D., Assir, M.Z., Beaman, G., Khan, S.N., Newman, W.G., Riazuddin, S., and Friedman, T.B. (2016).	Mutations of SGO2 and CLDN14 collectively cause coincidental Perrault syndrome. Clinical genetics . 15 Sep,2016, doi 10.1111/cge.12867.
26.	Haidar I, Ahsan M, Qurban Ali, Sajjad M, Uzair M, Kalsoom R and Malook SU, 2016.	Use of Radiations to Study Useful Mutations in <i>Zea mays</i> for Grain Yield: A Review. Nat Sci 14 (5):66-75.
27.	Hameed A, I. A. Nasir, B. Tabassum, Z. Qamar, M. Zameer , M. Younus, A. Q. Rao, B. Rashid, M. Tariq, G. A. Khan, M. Ali, M. S. Anjum, S. Ahmed, J. A. Bhatti, T. R. Samiullah and T. Husnain. 2016.	Biosafety assessment of locally developed transgenic sugarcane. <i>The J. Anim. Plant Sci.</i> 26(4): 1124-1132.
28.	Hassan Z, Hussain G, Ali Q, Tayyab M, Qurban Ali and Nasir IA. (2016).	Genetically Modified Organism and their Biohazards. Stem Cell 7(3):9-12
29.	Hassan, S., Sadique, S., Sarwar, MB., Rashid, B and Husnain, T (2015).	Morpho-physiological, biochemical and developmental responses of diploid cotton (<i>Gossypium arboreum</i> L.) cultivars under varying NaCl stress. International Journal of Biosciences . 6(12): 09-20.
30.	Iftikhar, S., Shahid, A. A., & Ali, S. (2016).	First report of <i>Curvularialunata</i> var. <i>aeria</i> causing leaf blight on tomato in Pakistan. Journal of Plant Pathology , 98(1). P180
31.	Inzamam M, Qurban Ali, Manzoor A, Talha M, Aslam M and Nasir IA.	Assessment of variation and interrelationship among plant growth and development traits in <i>Chenopodium album</i> . Nat Sci 2016;14(9):41-45.



32.	Irum B, Khan SY, Ali M, Daud M, Kabir F, Rauf B, Fatima F, Iqbal H, Khan AO, Al Obaisi S, Naeem MA, Nasir IA, Khan SN, Husnain T, Riazuddin S, Akram J, Eghrari AO, Riazuddin SA (2016).	Deletion at the <i>GCNT2</i> Locus Causes Autosomal Recessive Congenital Cataracts. PLoS One .11(12): e0167562.
33.	Irum B, Khan SY, Ali M, Kaul H, Kabir F, Rauf B, Fatima F, Nadeem R, Khan AO, Al Obaisi S, Naeem MA, Nasir IA, Khan SN, Husnain T, Riazuddin S, Akram J, Eghrari AO, Riazuddin SA (2016).	Mutation in <i>LIM2</i> Is Responsible for Autosomal Recessive Congenital Cataracts. PLoS One . 2016 Nov 4;11(11): e0162620.
34.	Ishfaq M., Mahmood N, Ali Q, Nasir IA, and Saleem M. (2016).	Biochemical and Molecular Studies of Various Enzymes Activity Fungi. Molecular Plant Breeding . 7(9): 1-16
35.	Israr M., Shahid A A., Rakha A., Zar M S., Shahzadd M S., Rahman Z., Husnain T (2016).	Baluchi and Pakhtun population data of 9 X-chromosomal short tandem repeat loci. Journal of Forensic and Legal Medicine , 37: 45-49
36.	Jaffar MAB, Ali Q, Ali MZ, Anwar MW, Khan FA, and Nasir IA. (2016).	Genetic variability among different traits of <i>Convolvulus arvensis</i> . Nat Sci (2016). 14 (5):62-65.
37.	Jahangir, G. Z., Sadiq, H. M., Nasir, I. A., and Iqbal, M. (2016).	Phosphate solubilizing bacteria are effective bio-control agents. Journal of Animal & Plant Sciences .26 (5): 1313-1319.
38.	Jahangir, G. Z., Shahwar, D., Nasir, I. A., Shehzad, S., and Iqbal, M. (2016).	The myth of oral hygiene using synthetic mouthwash products. SpringerPlus .5:1481.
39.	Javed I, Ahsan M, Ahmad HM and Qurban Ali. (2016)	Role of mutation breeding to improve Mungbean (<i>Vigna radiata</i> L. Wilczek) yield: An overview. Nat Sci 2016;14(1):63-77
40.	Jaweria A., Naeem F., Malik M., Javaid F., Qurban Ali., Ahmad S., Khan M.F., and Nasir I.A., 2016	Dengue Fever: causes, prevention and recent advances, Journal of Mosquito Research , 6(29): 1-9



41.	Jiao, X., Kabir, F., Irum, B., Khan, A.O., Wang, Q., Li, D., Khan, A.A., Husnain, T., Akram, J., Riazuddin, S., Hejtmancik, J.F., and Riazuddin, S.A. (2016).	A Common Ancestral Mutation in CRYBB3 Identified in Multiple Consanguineous Families with Congenital Cataracts. PloS one 11, e0157005.
42.	Jilkova ZM, [†] Afzal S, et al., (2016).	Progression of fibrosis in patients with chronic viral hepatitis is associated with IL-17+ neutrophils. Liver International 36: 1116-1124.
43.	Kabir F, Ullah I, Ali S, Gottsch AD, Naeem MA, Assir MZ, Khan SN, Akram J, Riazuddin S, Ayyagari R, Hejtmancik JF, Riazuddin SA. (2016).	Loss of function mutations in <i>RP1</i> is responsible for retinitis pigmentosa in consanguineous familial cases. Mol Vis. 22: 610-25.
44.	Kanwal, N, Sadaqat HA, Qurban Ali, Ali F, Bibi I, Naizi NK.	Role of combining ability and heterosis in improving achene yield of <i>Helianthus annuus</i> : An overview. Nat Sci 2016;14(1):55-62.
45.	Kausar Malik, K., Hamid Bashir, Muhammad Bilal, Husnain Qamar, Zaid Mehmood. (2016)	<i>In vitro</i> evaluation of synergistic antimicrobial activity of <i>Trachyspermum ammi</i> & <i>Syzygium aromaticum</i> . International Journal of Biosciences. 9(4):221-228.
46.	Khan A, Nasir IA, Tabassum B, Aaliya K, Tariq M and Rao AQ. 2016.	Expression studies of chitinase gene in transgenic potato against <i>Alternaria solani</i> . <i>Plant cell, Tissue and Organ Culture</i> . DOI 10.1007/s11240-016-1134-y
47.	Khan T, Shahid A A and Khan H A A (2016).	Could biorational insecticides be used in the management of aflatoxigenic <i>Aspergillus parasiticus</i> and its insect vectors in stored wheat? Peer J, DOI 10.7717/peerj.1665
48.	Khan, F., Wu, X., Matzkin, G. L., Khan, M. A., Sakai, F., & Vidal, J. E. (2016).	<i>Streptococcus pneumoniae</i> Eradicates Preformed <i>Staphylococcus aureus</i> Biofilms through a Mechanism Requiring Physical Contact. <i>Frontiers in Cellular and Infection Microbiology</i> , doi. 10.3389/scimb.2016.00104.
49.	Latief N, Raza FA, Bhatti FU, Tarar MN, Khan SN, Riazuddin S. (2016).	Adipose stem cells differentiated chondrocytes regenerate osteoarthritic cartilage. <i>Cell Biol Int.</i> 2016 May; 40(5):579-88. doi: 10.1002/cbin.10596.



50.	Majeed R. A., Shahid A. A., Ashfaq M., Saleem M and Haider, M. S. (2016).	First Report of <i>Curvularia lunata</i> Causing Brown Leaf Spots of Rice in Punjab, Pakistan. <i>Plant disease</i> , 100(1): 219, http://dx.doi.org/10.1094/PDIS-05-15-0581-PDN .
51.	Majeed, R. A., Ali Shahid, A A., Liaqat, G. A., Saleem, K., Asif, M., Shafiq, M., Haider, M. S. & Noreen M. (2016).	First Report of <i>Setosphaeria rostrata</i> Causing Brown Leaf Spots of Rice in Pakistan. <i>Plant Disease</i> , (ja).100(10) p- 2162
52.	Majeed, R.A., Shahid, A.A., Saleem, M.Z., Asif, M., Zahid, M.A. and Haider, M.S., 2016.	First Report of <i>Curvularia tuberculata</i> Causing Brown Leaf Spot of Rice in Punjab, Pakistan. <i>Plant Disease</i> , pp.PDIS-02, 100:08. P1791
53.	Majid MU, Mudassar Fareed AWAN, Kanza FATIMA, Muhammad Sufyan TAHIR, Qurban ALI, Bushra RASHID, Abdul Qayyum RAO, Idrees Ahmad NASIR, Tayyab Husnain (2016).	Phytophathoracapsici on chilli pepper (<i>Capsicum annuum</i> L.) and its management through genetic and bio-control: a review. <i>Zemdirbyste-Agriculture</i> , 103(4): 419-430.
54.	Majid MU, Tahir MS, Ali Q, Rao AQ, Rashid B, Ali A, Nasir IA and Husna T. (2016).	Nature and History of Ebola Virus: an Overview. <i>Arch Neurosci</i> 3(3): e 35027
55.	Malik, K Aisha Khaled Chaudhri (2016)	Electrophoretic analysis of <i>Tribolium castaneum</i> after combined bioassay with Cinnamon (<i>Cinnamomum aromaticum</i>), Turmeric (<i>Curcuma longa</i>) and Onion seed powder (<i>Nigella sativa</i>) <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(4): 37-41
56.	Malik, K, et al., (2016)	Controversies: Stem Cell Research. <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(5): 77-83
57.	Malik, K, et al., (2016)	Role of FAS in apoptosis. <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(5): 84-86
58.	Malik, K, Farkhanda Nawaz and Numrah Nisar (2016)	Antibacterial activity of <i>Amaranthus viridis</i> <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(4): 76-80



59.	Manzoor A, Ali Q, zamam M, Talha M, Aslam M and Nasir I A. (2016).	Estimation of errelationship among plant growth related traits of Portulacaoleracea. Nat Sci. (2016).14(7):79-84.
60.	Mobeen Munir, Waqas Nazeer, Shazia Rafique · Shin Kang (2016).	M-Polynomial and Related Topological Indices of Nanostar Dendrimers. Symmetry 8(9):97. DOI: 10.3390/sym8090097.
61.	Mobeen Munir, Waqas Nazeer, Shazia Rafique, Shin Min Kang (2016).	M-Polynomial and Degree-Based Topological Indices of Polyhex Nanotubes Symmetry 8(12) DOI: 10.3390/sym8120149
62.	Mobeen Munir· Waqas Nazeer· Abdul Nizami · [...] · Shin Kang (2016).	M-Polynomials and Topological Indices of Titania Nanotubes . Symmetry 8(12):117 DOI: 10.3390/sym8110117.
63.	Muhammad Usman Mirza· Shazia Rafique· Amjad Ali · [...] · Muhammad Idrees (2016)	Towards peptide vaccines against Zika virus: Immunoinformatics combined with molecular dynamics simulations to predict antigenic epitopes of Zika viras. Nature Scientific Reports in proteins 6:37313.
64.	Nawaz K; Shahid A. A; Subhani M. N; Anwar W and Aslam M (2016).	First Report of Pythium spinosum Causing Root Rot of Chili (Capsicum annum) in Pakistan. <i>Plant disease</i> , 100(2): 526, http://dx.doi.org/10.1094/PDIS-07-15-0745-PDN .
65.	Qurban Ali, Sultan A, Azhar A, Kanwal N, Ali Fawad, Rasheed A, Adnan M, Ahmad S, Naseem MU and Nasir IA.	Protein Engineering: A Brief Overview Methodologies and Applications. Life Sci J 2016;13(12):46-55.
66.	Qureshi A, Zaigham K, Iqbal MS, Qurban Ali.	Detection of Endothelin 2 (Et-2) as a novel biomarker of renal dysfunction in patients of liver Cirrhosis with Ascites. Adv. Life Sci. 3(4): 112- 118.
67.	Ramzan, M., Tabassum, B., Nasir, I. A., Khan, A., Tariq, M., Awan, M. F., ... & Husnain, T. (2016).	Identification and application of biocontrol agents against Cotton leaf curl virus disease in Gossypium hirsutum under greenhouse conditions. <i>Biotechnology & Biotechnological Equipment</i> , 30(3), 469-478.
68.	Rashid B, Haider T, Yousaf I, Rasheed Z, Qurban Ali, Javed F and Husnain T.	Roadmap to sustainable cotton production. Life Sci J 2016;13(11):41-48



69.	Rashid B., Kousar S., Yousaf M., Qurban Ali., Fatima F., Parveen S., Arshad A., Rimsha, Ahmad N., and Husnain T., 2016,	Biotechnology: future tools for stable insect pest and weed control in cotton, Cotton Genomics and Genetics, 7(3): 1-14.
70.	Rauf B, Irum B, Kabir F, Firasat S, Naeem MA, Khan SN, Husnain T, Riazuddin S, Akram J, Riazuddin SA (2016).	A spectrum of <i>CYP1B1</i> mutations associated with primary congenital glaucoma in families of Pakistani descent. Hum Genome Var.3:16021.
71.	Rehman S, Ijaz B, Fatima N, Muhammad SA, Riazuddin S (2016).	Therapeutic potential of <i>Taraxacum officinale</i> against HCV NS5B polymerase: In-vitro and Insilico study. Biomed Pharmacother.83:881-891.
72.	Riazuddin, S., Hussain, M., Razzaq, A., Iqbal, Z., Shahzad, M., Polla, D.L., Song, Y., van Beusekom, E., Khan, A.A., Tomas-Roca, L., Rashid, M., Zahoor, M.Y., Wissink-Lindhout, W.M., Basra, M.A., Ansar, M., Agha, Z., van Heeswijk, K., Rasheed, F., Van de Vorst, M., Veltman, J.A., Gilissen, C., Akram, J., Kleefstra, T., Assir, M.Z., Grozeva, D., Carss, K., Raymond, F.L., O'Connor, T.D., Riazuddin, S.A., Khan, S.N., Ahmed, Z.M., de Brouwer, A.P., and van Bokhoven, H. (2016).	Exome sequencing of Pakistani consanguineous families identifies 30 novel candidate genes for recessive intellectual disability. Molecular psychiatry. 26 July, 2016 doi 10.1038/mp.2016.109
73.	Saba Riaz, Athar Hussian Shah, Saif-ul-Malook, and Qurban Ali, (2016).	Study of Dichlorophenoxyacetic acid and 6-Benzylaminopurine effects on callus development in <i>Cucurbita moschata</i> , Molecular Plant Breeding, 7(03): 1-12.
74.	Sabar MF, Ghani MU, Shahid M, Sumrin A, Ali A, Akram M, Tariq MA, Bano I. (2016).	Genetic variants of ADAM33 are associated with asthma susceptibility in the Punjabi population of Pakistan. Journal of Asthma 53(4):341-348.



75.	Saif-ul-Malook, Qurban Ali, Muhammad Ahsan, Muhammad Khalid Shabaz, Muhammad Waseem, and Amar Mumtaz 2016.	Combining ability analysis for evaluation of Maize Hybrids under drought stress. <i>Journal of National Science Foundation Sri Lanka</i> , 44(2): 123-130.
76.	Shafique M; Shahzad M S; Rahman Z; Shan M A and Perveen R; Shahzad M; Hussain M; Shahid A A and Husnain T (2016).	Development of new PCR multiplex system by the simultaneous detection of 10 miniSTRs, SE33, Penta E, Penta D, and four Y- STRs. <i>International Journal of Legal Medicine</i> . ISSN 0937-9827, DOI10.1007/s00414-016-1372-x.130(6) p 1409-1419
77.	Shahid A A., Ali, M. and Ali, S., (2016).	First Report of <i>Pythium debaryanum</i> Causing Chili Damping Off in Pakistan. <i>Plant Disease</i> , pp.PDIS-08.
78.	Shahid, N., & Daniell, H. (2016).	Plant based oral vaccines against zoonotic and non-zoonotic diseases. <i>Plant Biotechnology Journal</i>
79.	Shan, M. A., Hussain, M., Shafique, M., Shahzad, M., Perveen, R., & Idrees, M. (2016).	Genetic distribution of 15 autosomal STR markers in the Punjabi population of Pakistan. <i>International Journal of Legal Medicine</i> , DOI 10.1007/s00414-016-1351-2, 1-2.
80.	Tabassum B, Nasir IA, Khan A, Aslam U, Tariq M, Shahid N, and Husna T. (2016).	Short hairp RNA engeerg: planta gene silencing of potato virus Y. <i>Crop Protection</i> . (2016).86: 1-8.
81.	Ullah I, Kabir F, Gottsch CB, Naeem MA, Guru AA, Ayyagari R, Khan SN, Riazuddin S, Akram J, Riazuddin SA (2016).	Mutations in <i>phosphodiesterase 6</i> identified in familial cases of retinitis pigmentosa. <i>Hum Genome Var.</i> 3:16036.
82.	Ullah I, Kabir F, Iqbal M, Gottsch CB, Naeem MA, Assir MZ, Khan SN, Akram J, Riazuddin S, Ayyagari R, Hejtmancik JF, Riazuddin SA (2016).	Pathogenic mutations in <i>TULP1</i> responsible for retinitis pigmentosa identified in consanguineous familial cases. <i>Mol Vis.</i> 22: 797-815.
83.	Yaqoob A; Shahid A A;Samiullah T A; Rao A Q; Khan M Z U; Tahir S; Mirza S A and Husnain T(2016).	Risk assessment of Bt crops on the non-target plant-associated insects and soil organisms. <i>Journal of the Science of the Food and Agriculture</i> . 96: 2613–2619



84.	Yasmeen A., Kiani S., Butt A., Rao AQ., Akram F., Ahmad A., Nasir IA., Husnain T., Mansoor S., Amin I., Aftab S., Zibair M.m Tahir MN., Akhtar S., Scheffler J., and Scheffler B. (2016).	Amplicon-Based RNA Interference Targeting V2 Gene of Cotton Leaf Curl Kokhran Virus-Burewala Strain Can Provide Resistance in Transgenic Cotton Plants. Mol. Biotechnol. 58 (12): 807-820 (DOI 10.1007/s12033-016-9980-8) p 1-14
85.	Zameer M, Zahid H, Tabassum B, Ali A, Nasir IA, Saleem M and Butt SJPGPR. (2016).	PGPR Potentially Improve Growth of Tomato Plants Salt-Stressed Environment. Turkish Journal of Agriculture - Food Science and Technology. 4(6): 455-463.
86.	Zubair M, Mehak Shakir, Qurban Ali, Noshaba Rani, Neelam Fatima, Safana Farooq, Sijjil Shafiq, Naila Kanwal, Fawad Ali & Idrees Ahmad Nasir (2016).	Rhizobacteria and phytoremediation of heavy metals, Environmental Technology Reviews, 5:1, 112-119.
87.	Rehman, Atteeq U., Jonathan E. Bird, Rabia Faridi, Mohsin Shahzad, Sujay Shah, Kwanghyuk Lee, Shaheen N. Khan et al. (2016)	"Mutational Spectrum of MYO15A and the Molecular Mechanisms of DFNB3 Human Deafness." Human Mutation 37, no. 10: 991-1003.
88.	Santos-Cortez, Regie Lyn P., Rabia Faridi, Atteeq U. Rehman, Kwanghyuk Lee, Muhammad Ansar, Xin Wang, Robert J. Morell et al. (2016)	"Autosomal-recessive hearing impairment due to rare missense variants within S1PR2." The American Journal of Human Genetics 98, no. 2: 331-338.
89.	Khan SY, Vasanth S, Kabir F, Gottsch JD, Khan AO, Chaerkady R, Lee MC, Leitch CC, Ma Z, Laux J, Villasmil R, Khan SN, Riazuddin S, Akram J, Cole RN, Talbot CC, Pourmand N, Zaghloul NA, Hejtmancik JF, Riazuddin SA. (2016)	FOXE3 contributes to Peters anomaly through transcriptional regulation of an autophagy-associated protein termed DNAJB1. Nat Commun. 2016 Apr 6;7:10953.

*Paper/Articles*

Sr.	Name of Author	Title of Paper/Article
1.	Sabar, M. F., Shahid, M., Bano, I., Ghani, M. U., Akram, M., Iqbal, F., et al. (2017).	rs12603332 is associated with male asthma patients specifically in urban areas of Lahore, Pakistan. (J Asthma, 54(9), 887-892.
2.	Ghani MU, Sabar MF, Shahid M, Awan FI, Akram M (2017).	A report on asthma genetics studies in Pakistani population, Adv. Life Sci. 4(2): 33-38.
3.	Salisu, I. B., Shahid, A. A., Yaqoob, A., Ali, Q. A., Bajwa, K. S., Rao, A. Q., & Husnain, T. (2017).	Molecular approaches for high throughput detection and quantification of genetically modified crops: A review. Frontiers in Plant Science, 8, 1670.
4.	Ahmad, A., Zia-Ur-Rehman, M., Hameed, U., Qayyum Rao, A., Ahad, A., Yasmeen, A. & Shahid, A. A. (2017).	Engineered Disease Resistance in Cotton Using RNA-Interference to Knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite Expression. Viruses, 9(9), 257.
5.	Shahid, A. A., Nawaz, K., Iftikhar, S., Anwar, W and Subhani, M. N. (2017).	New record of fruit rot of bitter melon (Momordica Charantia) caused by Phytophthora Palmivora in Pakistan, Plant Disease, 101(7):1331
6.	Shahid, A. A., Ali, M., & Ali, S. (2017).	First report of Pythium debaryanum causing chili damping off in Pakistan. Plant Disease, 101(2): 391
7.	Shahid, A. A., Iftikhar, S., Nawaz, K., Anwar, W and Ali, M. (2017).	First report of Alternaria alternata causing brown leaf spot of potato in Pakistan. Journal of Plant Pathology, 99(1): 287-304
8.	Perveen, R., Shahid, A. A., Shafique, M., Shahzad, M., & Husnain, T. (2017).	Genetic variations of 15 autosomal and 17 Y-STR markers in Sindhi population of Pakistan. International Journal of Legal Medicine, 1-2, DOI 10.1007/s00414-017-1544-3
9.	Vyas, M., Raza, A., Ali, M. Y., Ashraf, M. A., Mansoor, S., Shahid, A. A., & Brown, J. K. (2017). Knock down of whitefly gut gene expression and mortality by orally delivered gut gene-specific dsRNAs. PloS one, 12(1), e0168921.	Knock down of whitefly gut gene expression and mortality by orally delivered gut gene-specific dsRNAs. PloS one, 12(1), e0168921.



10.	Shahid, N., Rao, A., Kristen, P., Ali, M., Tabassum, B., Umar, S., Tahir, S., Latif, A., Ahad, A., Shahid, A. and Husnain, T. (2017).	A concise review of poultry vaccination and future implementation of plant-based vaccines. World's Poultry Science Journal, pp.1-12.
11.	Shahid, A. A. (2017).	A Novel approach to study relationship between Cotton leaf curl virus (CLCuV) and Beta satellites. International Journal of Biotechnology & Bioengineering, 3, 224-228.
12.	Shahid, A. A., Ali, M., & Ali, S. (2017).	First Report of Pythium debaryanum Causing Chili Damping Off in Pakistan. Plant Disease, 101(2), 391-391.
13.	Anwar, W., Haider, M. S., Shahid, A. A., Mushtaq, H., Hameed, U., Rehman, M.Z.U and Iqbal, M. J. (2017).	Genetic diversity of Fusarium Isolated from Members of Sternorrhyncha(Hemiptera): Entomopathogens against Bemisia tabaci . Pakistan Journal of Zoology, 49(2):639-645.
14.	Ibrahim, A., Shahid, A. A., & Ahmad, A. (2017).	Evaluation of carrier materials to develop bacillus subtilis formulation to control root knot nematode infection and promote agro-economic traits in eggplant. JAPS, Journal of Animal and Plant Sciences, 27(4), 1321-1330.
15.	Jabeen, F., Ahmed, M., Ahmed, F., Sarwar, M. B., Akhtar, S., & Shahid, A. A. (2017).	Characterization of cypermethrin degrading bacteria: A hidden micro flora for biogeochemical cycling of xenobiotics. Advancements in Life Sciences, 4(3), 97-107.
16.	Ahmad A, Rehman M Z U, Hameed U, Rao A Q*, Ahad A, Yasmeen A, Akram F, Bajwa K S, Scheffler J, Nasir I A, Shahid A A, Iqbal M J, Husnain T, Haider M S and Brown J K (2017)	Engineered DiseaseResistance in Cotton Using RNA-Interference to Knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite Expression Viruses 9, 257; doi: 10.3390/v9090257.
17.	Salisu I B, Shahid A A, Yaqoob A, Ali Q, Bajwa K S, Rao A Q and Husnain T (2017)	Molecular approaches for high throughput detection and quantification of genetically modified crops: A review Accepted in Frontier in Plant Sciences.



18.	Shahid, N, Rao, A.Q, Elise K, Van B, Zeeshan, A; Samiullah, T Tabassum, B; Azam A M, Tahir S, Ali S.A and Husnain, T (2017)	A concise review of poultry vaccines and future implementation of plant-based vaccines in poultry; World's Poultry Science Journal. 73, 1-12 doi:10.1017/S0043933917000484
19.	Majid MU, Awan MF, Fatima K, Tahir MS, Ali Q, Rashid B, Rao AQ, Nasir IA, Husnain T (2017)	Genetic Resources of Chili Pepper (<i>Capsicum annum</i> L.) against <i>Phytophthora capsici</i> and Their Induction through Various Biotic and Abiotic Factors Cytology and Genetics, 51, 4, 296–304. doi:10.3103/S009545271704003X
20.	Sajid M, Hassan Z, Sehrai G H, Rana M A, Puchta H and Rao A Q (2017)	Plant genome editing using engineered nucleases and success of CRISPR/Cas9 system Advancement in Life Sciences 4(4) 127-136.
21.	Rao, A.Q., Latif, A., Azam, S., Gul, A., Yaqoob, A., Din, S., Akhtar S., Shahid N., Shahid. A.A, Nasir, I.A. and Husnain, T. (2017)	Management of Biotic Stress in Cotton accepted in ICAC Recorder
22.	Ansar M, Riazuddin S, Sarwar MT, Makrythanasis P, Paracha SA, Iqbal Z, Khan J, Assir MZ, Hussain M, Razzaq A, Polla DL, Taj AS, Holmgren A, Batool N, Misceo D, Iwaszkiewicz J, de Brouwer APM, Guipponi M, Hanquinet S, Zoete V, Santoni FA, Frengen E, Ahmed J, Riazuddin S, van Bokhoven H, Antonarakis SE. (2017)	Biallelic variants in LINGO1 are associated with autosomal recessive intellectual disability, microcephaly, speech and motor delay. Genet Med. 2017 Aug 24. doi: 10.1038/gim.2017.113.
23.	Ivanova EL, Mau-Them FT, Riazuddin S, Kahrizi K, Laugel V, Schaefer E, de Saint Martin A, Runge K, Iqbal Z, Spitz MA, Laura M, Drouot N, Gérard B, De leuze JF, de Brouwer APM, Razzaq A, Dollfus H, Assir MZ, Nitchké P, Hinckelmann MV, Ropers H, Riazuddin S, Najmabadi H, van Bokhoven H, Chelly J. (2017)	Homozygous Truncating Variants in TBC1D23 Cause Pontocerebellar Hypoplasia and Alter Cortical Development. Am J Hum Genet. 2017 Sep 7;101(3):428-440. doi: 10.1016/j.ajhg.2017.07.010.



24.	Bushra Khubaib, Muhammad Idrees, Zareen Fatima, Madiha Akram, Samia Afzal, Iram Amin, Muhammad Shahid, Muhammad Wasim. (2017)	Evaluation of three Techniques for detection of IL28B SNP: a prognostic tool for HCV treatment outcome. Journal of Digestive Diseases. 2017 Jun 13.
25.	Muhammad Shahid, Iram Amin, Samia Afzal, Zareen Fatima, Sadia Zahid, Usman Ashraf, Muhammad Idrees. (2017)	Prevalence and Molecular Detection of Dengue Virus in 2013 Outbreak in KPK and Punjab, Pakistan. Pakistan J. Zool. 2017; 49(3): 1119-22.
26.	Rabia Nawaz, Sadia Zahid, Muhammad Idrees, Shazia Rafique, Muhammad Shahid, Ammara Ahad, Iram Amin, Iqra Almas, Samia Afzal. (2017)	HCV-induced regulatory alterations of IL-1 β , IL-6, TNF- α , and IFN- γ operative, leading liver en-route to non-alcoholic steatohepatitis. Inflammation Research. 2017 Mar 11:1-0.
27.	Farkhanda Manzoor, Iram Amin, Muhammad Shahid, Samia Afzal, Tahir Rehman Samiullah, Muhammad Idrees. (2017)	Aedes aegypti is the Major Vector for Transmission of Dengue Virus in Lahore, Pakistan. Pakistan Journal of Zoology. 2017 Apr 1;49(2):743-.
28.	Shahzadi Javeed, Maha Almas, Muhammad Shahid, Aleena Sumrin, Hamid Bashir, Muhammad Bilal, Zafar Saleem, Ghulam Zahra Jahangir, Samia Afzal, Muhammad Idrees. Iram Nrf2:.	A master regulator of cellular defense mechanism and a novel therapeutic factor. Pak. J. Biotechnol. Vol. 2017;14(1):121-6
29.	Iqra Almas, Samia Afzal, Muhammad Idrees, Muhammad Usman Ashraf, Iram Amin, Muhammad Shahid, Khadija Zahid, Sadia Zahid.	Role of circulatory microRNAs in the pathogenesis of hepatitis C virus. VirusDisease. 2017:1-8.
30.	Baira Wahid, Amjad Ali, Shazia Rafique, and Muhammad Idrees (2017).	Current status of therapeutic and vaccine approaches against Zika virus. European Journal of Internal Medicine



31.	Braira Wahid, Amjad Ali, Shazia Rafique, Muhammad Idrees (2017).	Rising relapse rate in hepatitis C virus type 3a-infected patients against sofosbuvir and ribavirin combination therapy: A Pakistani experience. <i>European journal of gastroenterology & hepatology</i> 29(8), 10.1097/MEG.0000000000000895. DOI: 10.1016/j.ejim.2017.08.001.
32.	Amjad Ali, Braira Wahid, Shazia Rafique, Muhammad Idrees (2017).	Advances in research on Zika virus. <i>Asian Pacific Journal of Tropical Medicine</i> DOI:10.1016/j.apjtm.2017.03.020.
33.	Rabia Nawaz, Sadia Zahid, Muhammad Idrees, Shazia Rafique, etal. (2017) -3.	HCV-induced regulatory alterations of IL-1 β , IL-6, TNF- α , and IFN- γ operative, leading liver en-route to non-alcoholic steatohepatitis. <i>Inflammation Research</i> . DOI: 10.1007/s00011-017-1029
34.	Young Chel Kwun, Mobeen Munir, Waqas Nazir, Shazia Rafique, Shin Min Kang (2017).	M-Polynomials and topological indices of V-Phenylenic Nanotubes and Nanotori. DOI: 10.1038/s41598-017-08309-y. <i>Scientific Reports</i>
35.	Braira Wahid, Sana Usman, Amjad Ali, Komal Saleem, Shazia Rafique, and Muhammad Idrees (2017).	Therapeutic Strategies of Clustered Regularly Interspaced Palindromic Repeats-Cas Systems for Different Viral Infections. <i>Viral immunology</i> . DOI: 10.1089/vim.2017.0055
36.	Braira Wahid, Amjad Ali, Shazia Rafique, and Muhammad Idrees (2017).	New Insights into the Epigenetics of Hepatocellular Carcinoma <i>BioMed Research International</i> , Article ID 1609575, 16 pages. doi.org/10.1155/2017/1609575 IF:2.134
37.	Ahmed N., Abbas R., Khan M.A., Zafar A.U., Tahir S (2017)	Enhancing recombinant interleukin-6 production yield by fermentation optimization, two steps denaturing (2DR) and one step purification. <i>Biotechnology and applied biochemistry</i> . DOI:10.1002/bab.1588.
38.	Khan, M.A., Ahmed, N., Khan, M.I., Zafar, A.U., Tahir, S., Anjum, M.S., Ali, M., Khan, F., Husnain, T. (2017).	Bioactivity studies of Huh-7 cells derived human epidermal growth factor expressed in <i>Pichia pastoris</i> . <i>Bioscience, Biotechnology, and Biochemistry</i> . http://dx.doi.org/10.1080/09168451.2017.1295802



39.	Numrah Nisar, Amber Aleem, Faiza Saleem, Fakhira Aslam, Ammara Shahid, Hina Chaudhry, Kausar Malik* Abdulhadi Albaser, Amjad Iqbal, Rashad Waseem Qadri, Yaodong Yang (2017)	Reduction of Reactive red 241 by oxygen insensitive azoreductase purified from a novel strain <i>Staphylococcus</i> . KU898286. PLOS ONE 12(5):1-18
40.	Farkhanda Nawaz, Kausar Malik* (2017)	Antibacterial activity of Polyoxometalates (POMs) against urinary tract infection (UTI) causing bacteria Sindh University Research Journal - Sindh Univ. Res. Jour. (Sci. Ser.) 49(1) 119-124
41.	Haleema Sadia, Kausar Malik, Braira Wahid, Maryam Abbas, Zunaira Batool, Muhammad Yaser Khan, Sajjad Ullah, Amna Shafi, Tariq Nadeem, Ahmad Nawaz, Riffat Mahboob (2017)	Management of Non-Small cell Lung Cancer by genetic studies: A review in Bulletin of environment, Pharmacology and life Sciences (BEPLS) 6(3):1-8
42.	Muhammad Abrar, Shabana Naz, Qazi Adnan Ahmad*, Kausar Malik, Arnab Tanveer, Anila Sagheer Sarfraz Hussain, Ghazala Kausar, Sadia Tabassum, Hameed Ullah, Muhammad Altaf, Anwar Iqbal (2017)	Effect of temperature on growth and feed consumption rate of Korean ring-necked pheasant (<i>Phasianus colchicus</i>) Journal of Entomology and zoology Studies (JEZS) 5(3): 103-106
43.	Perveen, R., Shahid, A. A., Shafique, M., Shahzad, M., & Husnain, T. (2017).	Genetic variations of 15 autosomal and 17 Y-STR markers in Sindhi population of Pakistan. International Journal of Legal Medicine, 131:1239–1240.
44.	Iqbal MS, Jabbar B, Sharif MN, Qurban Ali, Husnain T, Henry RJ and Nasir IA (2017)	In silico MCMV Silencing Concludes Potential Host-Derived miRNAs in Maize. Front. Plant Sci. 8:372. doi:10.3389/fpls.2017.00372.
45.	Zulfiqar HF, Javed A, Sumbal, Afroze B, Qurban Ali*, Akbar K, Nadeem T, Rana MA, Nazar ZA, Nasir IA and Husnain T (2017)	HIV Diagnosis and Treatment through Advanced Technologies. Frontiers in Public Health 5:32. doi: 10.3389/fpubh.2017.00032.



46.	Zaheer Ahmad Nazar, Idrees Ahmad Nasir, H.M.W. A. Khan, Qurban Ali and Tayyab Husnain, 2017.	Genetic variability based response of sugarcane lines resistant and susceptible against whip smut. Pakistan Journal of Science, 69(1):22-38.
47.	Majid, M. U., Awan, M. F., Fatima, K., Tahir, M. S., Ali, Q., Rashid, B., Rao, A. Q., Nasir, I. A., and Husnain, T. (2017).	Genetic Resources of Chili Pepper (<i>Capsicum annum</i> L.) against <i>Phytophthora capsici</i> and Their Induction through Various Biotic and Abiotic Factors. Cytology and Genetics. 51(4): 296–304.
48.	Awais, M., Tariq, M., Ali, Q., Khan, A., Tabassum, B., Nasir, I. A. and Husnain, T. (2017).	Isolation, characterization and inter-relationship of Phosphate Solubilizing Bacteria from the Rhizosphere of Sugarcane and Rice. Biocatalysis and Agricultural Biotechnology. https://doi.org/10.1016/j.bcab.2017.07.018
49.	Ahmad, A., Zia-Ur-Rehman, M., Hameed, U., Rao, A. Q., Ahad, A., Yasmeen, A., Akram, F., Bajwa, K. S., Scheffler, J., Nasir, I. A., Shahid, A. A., Iqbal, M. J., Husnain, T., Haider, M. S and Brown, J. K. (2017).	Engineered Disease Resistance in Cotton Using RNA-Interference to Knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite Expression. Viruses. 9: 257; doi:10.3390/v9090257 www.mdpi.com/journal/viruses
50.	Tabassum B, Khan A, Tariq M, Ramzan M, Khan MSI, Shahid N and Aaliya K. (2017)	PGPR in Biocontrol and growth promotion; Bottlenecks in Commercialization and Future Prospects. Applied Soil Ecology. 121: 102–117.
51.	Toufiq N, Tabassum B, Bhatti MU, Khan A, Tariq M, Shahid N, Nasir IA and Husnain T. 2017.	Improved antifungal activity of barley derived chitinase I gene that overexpress a 32kDa recombinant chitinase in E.coli host. Brazilian Journal of Microbiology. http://dx.doi.org/10.1016/j.bjm.2017.05.007 .
52.	N. Shahid, A.Q. Rao, P.E. Kristen, M.A. Ali, B. Tabassum, S. Umar, S. Tahir, A. Latif, A. Ahad, A.A. Shahid and T. Husnain. 2017.	A concise review of poultry vaccination and future implementation of plant-based vaccines. World's Poultry Science Journal, 73 (3): 471-482.



53.	Chen J, Wang Q, Cabrera PE, Zhong Z, Sun W, Jiao X, Chen Y, Govindarajan G, Muhammad Asif Naeem, Khan SN, Ali MH, Assir MZ, Rahman FU, Qazi ZA, Riazuddin S, Akram J, Riazuddin SA, Hejtmancik JF. (2017).	Molecular Genetic Analysis of Pakistani Families with Autosomal Recessive Congenital Cataracts by Homozygosity Screening. Invest Ophthalmol Vis Sci; 58(4):2207-2217.
54.	Li L, Chen Y, Jiao X, Jin C, Jiang D, Tanwar M, Ma Z, Huang L, Ma X, Sun W, Chen J, Ma Y, M'hamdi O, Govindarajan G, Cabrera PE, Li J, Gupta N, Muhammad Asif Naeem, Khan SN, Riazuddin S, Akram J, Ayyagari R, Sieving PA, Riazuddin SA, Hejtmancik JF. (2017)	Homozygosity Mapping and Genetic Analysis of Autosomal Recessive Retinal Dystrophies in 144 Consanguineous Pakistani Families. Invest Ophthalmol Vis Sci. . 1;58(4):2218-2238.
55.	Pooja Biswas, Jacque L. Duncan, Muhammad Ali, Hiroko Matsui, Muhammad Asif Naeem, P. B. Raghavendra, Kelly A. Frazer, Heleen H. Arts, S. Riazuddin, Javed Akram, J. Fielding Hejtmancik, S. Amer Riazuddin, Radha Ayyagari. (2017)	A mutation in IFT43 causes non-syndromic recessive retinal degeneration. Hum Mol Genet.; 26(23):4741-4751.
56.	Ahmad W, Ijaz B, Shabbiri K, Ahmed F, Rehman S (2017).	Oxidative toxicity in diabetes and Alzheimer's disease: mechanisms behind ROS/ RNS generation. J Biomed Sci.24(1):76. doi: 10.1186/s12929-017-0379-z.
57.	Javaid MS, Latief N, Ijaz B, Ashfaq UA. (2017).	Epigallocatechin Gallate as an anti-obesity therapeutic compound: an in silico approach for structure-based drug designing Nat Prod Res. 14:1-5. doi: 10.1080/14786419.2017.1365074.
58.	Daud M, Rana MA, Husnain T, Ijaz B (2017).	Modulation of Wnt signaling pathway by hepatitis B virus. Arch Virol.. doi: 10.1007/s00705-017-3462-6



59.	Bhatti FU, Mehmood A, Latief N, Zahra S, Cho H, Khan SN, Riazuddin S: (2017)	Vitamin E protects rat mesenchymal stem cells against hydrogen peroxide-induced oxidative stress in vitro and improves their therapeutic potential in surgically-induced rat model of osteoarthritis. Osteoarthritis Cartilage. 25(2)321-331
60.	Braira Wahid, Amjad Ali, Shazia Rafique, Muhammad Idrees (2017)	Global expansion of Chikungunya Virus: Mapping the 64 year history.DOI: 10.1016/j.ijid.2017.03.006.

Abstracts

- Kausar Malik (2016). "GMO Detection" in proceedings of 3rd International conference on Global environmental Changes held in GCU, Faisalabad, Pakistan
- Kausar Malik, (2016). "Human pathogenic *E.coli* O157 H7; Water & Food contaminant" in proceedings of 3rd International conference on Global environmental Changes` in GCU, Faisalabad, Pakistan
- Haleema Sadia, Mukhtarullah, Riffat Mehboob, Kausar Malik, Johar Ali ,Amna Shafi, Ahmad Nawaz. "Zika Virus, an Emerging Epidemic" in proceedings of 2nd International conference (October 20-21, 2016) on ZOONOSIS-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan.
- Haleema Sadia, Riffat Mehboob, Muhammad Idrees, Kausar Malik, Muhammad Ateeq, Tariq Nadeem, Amna Shafi, Ahmad Nawaz. "Crimean-Congo Fever- a serious threat for public health. " in proceedings of 2nd International conference (October 20-21, 2016) on ZOONOSIS-2016, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan.
- Tariq S, Ijaz B, Gull S, Rehman S, Muhammad SA and Husnain T. (2017). Tectona Grandis as Potential Inhibitor of HCV NS5A Protein: in Vitro and in Silico Study. Hepatology International 11 (Suppl 1).
- Ahmad Z, Sawar MB, Sadique S, Rashid B, Husnain T. (2017) Use of drought specific oligonucleotide microarray for a comparative study of drought tolerance mechanism in cotton. presented at "Conference on computational biology and genomics" organized by and held at Centre for Human Genetics, Hazara University Mansehra 27-29 Sep. pp 31
- Husnain T., Rashid B., Hassan S., Sarwar MB., Mohamed BB., Batool F., Riaz S., Hafeez MN., Ahmad Z. (2017). Identification of abiotic stress tolerant genes in plants. Invited talk presented at "Conference on computational biology and genomics" organized by and held at Centre for Human Genetics, Hazara University Mansehra 27-29 Sep. pp 14.
- Rashid B., Shahid MN., Jamal A., Aftab B., Hassan S., Sarwar MB., Husnain T. (2017). Breeding salt responsive genes in *Gossypium hirsutum* by using genomic approaches. Invited talk presented at "Conference on computational biology and genomics" organized by and held at Centre for Human Genetics, Hazara University Mansehra 27-29 Sep. pp06



- Sarwar MB, Ahmad Z, Rashid B, Gregersen P-L, Leyva M De-I O, Nagy I, Asp T, Husnain T. (2017). De Novo transcriptome assembly and differentially expressed genes profiling in *Agave sisalana* in response to drought stress. Poster presented at Plant Biotech Denmark Annual meeting 2017, , Faculty of Science University of Copenhagen, 1- 2 February, 2017; pp 80
- Hassan S, Rashid B, Batool B, Sarwar MB, Ahmad Z, Sher Z, Husnain T. (2017) Expression of universal stress protein gene (GUSP1) will endure the abiotic stress tolerance in transgenic cotton. Presented at International Symposium on Environmental Stress Adaptation & Memory in Plants. RIKEN Center for Sustainable Resource Science, Yokohama City, Kanagawa, Japan Feb 27-28 2017
- Samia Afzal, Muhammad Idrees, Iqra Almas, Shazia Rafique, Muhammad Usman Ashraf, Iram Amin, Muhammad Shahid. Study of inhibition of interferon inducible genes by dephosphorylation of E2 envelope gene of HCV genotype 1a. In Applied Sciences and Technology (IBCAST), 2017 14th International Bhurban Conference on 2017 Jan 10 (pp. 183-188). IEEE.
- Iqra Almas, Samia Afzal, Muhammad Usman Ashraf, Khadija Zahid, Asif Rasheed, Muhammad Idrees. Studies on Circulating microRNAs: Members of Let-7 Family and their correlation with Hepatitis C Virus Disease Pathogenesis and Treatment Concerns In Applied Sciences and Technology (IBCAST), 2017 14th International Bhurban Conference on 2017 Jan 10 (pp. 183-188). IEEE
- Muhammad Ayoub, Mariam Shahid, Saba Altaf, Iqbal Bano, Samra Kousar, Raheela Aslam, Muhammad Farooq Sabar, Muhammad Usman Ghani, Ujala Tayyab, Sarooj Nadeem and Tayyab Husnain; "Case-control association study of HLA-B variant (rs866916063) with asthma in local population of Lahore, Pakistan", Proceedings of 2nd International symposium on Advances in Molecular Biology of Plants and Health Sciences 21st-23rd Nov., 2017, page 50-Abstract
- Saba Altaf, Mariam Shahid, Iqbal Bano, Samra Kousar, Muhammad Ayoub, Raheela Aslam, Muhammad Farooq Sabar, Muhammad Usman Ghani, Ujala Tayyab, Sarooj Nadeem and Tayyab Husnain, "Association between genetic variant (rs11650680) of TOP2A and early onset asthma in population of Lahore, Pakistan", Proceedings of 2nd International symposium on Advances in Molecular Biology of Plants and Health Sciences 21st-23rd Nov., 2017, page 48-Abstract
- **Malik K.**, Mushtaq M., Anwar N., Noor S., and Basit M H (2017). Isolation and Identification of Pathogenic Bacterial *Species* from Food Samples, Collected from different localities of Lahore. In Proceeding of 37th Pakistan Congress of Zoology, held in GCU, Faisalabad, Pakistan
- **Malik K.** Hameed A, Ambreen H S, Choudhri A., Basit M H. (2017). Electrophoretic Analysis of *Tribolium castaneum* after Combined Pesticidal effect of *Bacillus thuringiensis* and natural plant products. In Proceeding of 37th Pakistan Congress of Zoology, held in GCU, Faisalabad, Pakistan



- **Malik K**, (2017) Molecular characterization of *Bacillus thuringiensis* (Bt) receptor in American bollworm (*Helicoverpa armigera*). 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan`` in University of South Asia on 8-2-2017, 9-2-2017
- Adnan Ahmad Qazi, Muhammad Ali, Farhat Jabeen, Sarfraz Hussain, Anwar Iqbal, Hamidullah, Syed Ali Naqvi and **Kausar Malik** "Human-Wildlife Conflict Assesment Along The River Satluj, Pakistan": In Proceeding of 1st International Conference on Climate Change and Biodiversity (IC³B-2017) held on 02-04, 2017, The Islamia Uniersity of Bahawalpur, Pakistan
- Muhammad Abrar, Adnan Ahmad Qazi, Sarfraz Hussain, Syed Ali Naqvi and **Kausar Malik** "Status Of Endangered And Vulnerable Migratory Birds Species At Wetlands Of Khushab And Bahawalnagar" : In **Proceeding of** 1st International Conference on Climate Change and Biodiversity (IC³B-2017) held on 02-04, 2017, The Islamia Uniersity of Bahawalpur, Pakistan
- Muhammad Abrar, Adnan Ahmad Qazi,Shabana Pervai, **Kausar Malik**, Arnab Tanveer, Safraz Hussain, Anwar Iqbal, Muhammad Altaf and Hameedullah "Effect Of Temperature On Growth And Feed Consumption Rate Of Korean Ring Necked Pheasants (*Phasianus colchicus*)" : In **Proceeding of** 1st National Science Conference : Sciences for the Betterment of Humanity, 04-06, 2017, The Government Sadiq College Women University, Bahawalpur ; page: 40-41
- Muhammad Abrar, Adnan Ahmad Qazi,Shabana Pervai, **Kausar Malik**, Arnab Tanveer, Safraz Hussain, Anwar Iqbal, Muhammad Altaf and Hameedullah "Turtle Population Of Trimmu Headworks, Jhang, Punjab, Pakistan" : In **Proceeding of** 1st National Science Conference : Sciences for the Betterment of Humanity, 04-06, 2017, The Government Sadiq College Women University, Bahawalpur; page: 40-41
- Adnan Ahmad Qazi, Muhammad Ali, Rehana Iqbal, Farhat Jabeen and **Kausar Malik** "Biodiversity And Conservation Of Two Important Wetlands Of River Satluj With Special Reference To Avifauna" : In **Proceeding of** 1st International Conference on Climate Change and Biodiversity (IC³B-2017) held on 02-04, 2017, The Islamia Uniersity of Bahawalpur, Pakistan

○ **Books**

S.#	Authors	Title	Year	Publisher
1.	Hussain SS, Ahsan MA, Rashid B, Shi B-J	Plant aquaporin biotechnology: Challenges and prospects for abiotic stress tolerance under a changing global environment. In: Water Stress and Crop Plants: A Sustainable Approach,	2016	1 st Edn. Edited by Ahmad P. John Wiley UK. ISBN: 978-1-119-05436-8.



2.	Rao AQ, Din SU, Akhtar S, Sarwar MB, Ahmad M, Rashid B, Shahid AA, Nasir IA, Husnain T	Genomics of salinity tolerance in plants”, In Plant Genomics	2016	Abdurakhmonov IY (Ed) InTech Publications; DOI: 10.5772/63361.
3.	Jan S, Rashid B, Azooz MM, Hossain MA, Ahmad P	Genetic Strategies for Advancing Phytoremediation Potential in Plants: A Recent Update,	2016	Chapter 17 pp 431-454 In: Plant Metal Interaction Emerging Remediation Techniques, 1 st Edition; Elsevier, ISBN: 978-0-12-803158-2
4.	Latef AAHA, Jan S, Abd-Allah AF, Rashid B, John R, Ahmad P	Soybean under abiotic stress: Proteomic approach In: Plant-Environment Interaction: Responses and Approaches to Mitigate Stress	2016	1 st Edn. by Azooz MM. and Ahmad P. John Wiley & Sons, Ltd. Chichester, UK; Print ISBN: 9781119080992
5.	Rao AQ, Ali MA, Khan MAU, Bajwa KS, Iqbal A, et al	Science Behind Cotton Transformation.	2016	ISBN 978-953-51-2737-6, Print ISBN 978-953-51-2736-9
6.	Rao A.Q, Din SU, Akhtar S, Sarwar MB, Ahmed M, Rashid B, Khan MAU, Qaisar U, Shahid AA, Nasir IA and Husnain T	Genomics of Salinity Tolerance in Plants Book Plant Genomics	2016	InTech http://dx.doi.org/10.5772/63361
7.	Kausar Malik	Algae based polymers, blends & composites’ (Chapter 16)	2017	Elsevier
8.	Sheikh Riazuddin , Azra Mehmood , Noreen Latief and Moazzan Nazeer Tarar	Book chapter: Stem cells for the repair of damaged skin and cartilage Stem Cells - From Drug to Drug Discovery	2017	Walter de Gruyter



○ **Conferences, seminars and workshops etc.**

- Dr. Tayyab Husnain, Professor, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore is proceeding to Khartoum, Republic of Sudan to attend training program on “Using Molecular Techniques for Cotton Breeding” from October 03-06, 2016.
- Ms. Mariam Shahid participated in seminar and hands on training on “Advances in nucleic acid tec A lecture on Phen-Gen: combining phenotypes and genotypes to analyze rare disorders delivered by Dr. Asif Javed, Research Scientist at Genome Institute of Singapore held on 02.11.2016 at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- A Day with Biosafety held on October 25, 2016 at CEMB jointly organized by Gull’s Associates, Congress of Molecular Biology and National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- Prof. Dr. Kausar Malik Chair the session of seminar on “Congo virus” seminar in CEMB on 9-2016.
- Prof. Dr. Kausar Malik Chair the session of seminar on “Breast Cancer Awareness” in CEMB on 3-10-2016.
- Prof. Dr. Kausar Malik Invited guest in Hands on training on Clinical Diagnostics workshop in CAMB on 21-10-2016.
- Prof. Dr. Kausar Malik Attended the seminar on “Lungs and bronchial disease” in CAMB on 17-11-2016.
- Prof. Dr. Kausar Malik Lecture on “GMO Detection” in 3rd International conference on Global environmental Changes held in GCU, Faisalabad, Pakistan
- Prof. Dr. Kausar Malik Lecture on “Human pathogenic E.coli O157 H7; Water & Food contaminant” in 3rd International conference on Global environmental Changes, in GCU, Faisalabad, Pakistan
- Prof. Dr. Kausar Malik Invited as a key speaker in GCUF in international seminar on “Recent trends & techniques to evaluate aquatic toxicity” in GCU, Faisalabad, Pakistan
- Planning of cotton production, land preparation, weed control, pest and disease control and harvesting, December 12-16, 2016, Centre of Excellence in Molecular Biology, Lahore
- A day with Biosafety, October 25, 2016, Centre of Excellence in Molecular Biology, Lahore
- Breast cancer awareness seminar, October 03, 2016, Centre of Excellence in Molecular Biology, Lahore
- Prof. Dr Idrees Ahmad Nasir Contributed as resource person in the Training course on “Using Molecular Techniques for Cotton Breeding” sponsored by SESRIC (OIC-CTP) held on October 04-05, 2016, University of Khartoum, Sudan.



- Oral presentation by Dr Azra Mehmood at 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs (14 - 16 December 2016) at PC, Lahore organized by COMSATS, Lahore.
- Biosafety workshop held at CEMB attended by various Stem cell group members.
- Dr. Tayyab Husnain, Professor & Director, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore has been invited by Plant Genomic Network Research Team, RIKEN Centre for sustainable Resource Science, Yokohama, Kanagawa, Japan to participate in a two-days international symposium to be held from 27.02.17 to 28.02.17 in Japan.
- Dr. Tayyab Husnain, Professor & Acting Director Centre of Excellence in Molecular Biology, Lahore has been invited to provide training on "Integrated Pest Management and Crop Management" to be held in Kampala, Uganda from 03.05.2017 to 05.05.2017.
- Dr Bushra Rashid attended ELTR-HEC-TELS workshop on "English as a medium of instruction (EMI)", organized by Department of English, Virtual University of Pakistan Feb 06-10, 2017
- Dr Bushra Rashid was Focal Person in, "International training workshop on Microarray for gene expression", held at CEMB, Feb. 14-17, 2017
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan" in University of South Asia & received shield on 24-2-17, 25-2-17
- Prof.Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Attended "Invention to Innovation Summit" as invited guest Ex-Director ORIC organized by Pakistan Science Foundation University of the Punjab & Institute of Research Promotion, at University of the Punjab Lahore -3-2017, -3-2017.
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan" in University of South Asia & received shield on 24-2-17, 25-2-17
- Prof. Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan" in University of South Asia & received shield on 24-2-17, 25-2-17
- Prof. Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Attended "Invention to Innovation Summit" as invited guest Ex-Director ORIC organized by Pakistan Science Foundation University of the Punjab & Institute of Research Promotion, at University of the Punjab Lahore -3-2017, -3-2017.



- Dr. Bushra Tabassum has received Certificate of participation for International Conference on “Bioethics: Ethics in Challenging Times”, March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Bushra Tabassum has received Certificate of participation for a 2 days workshop on ‘Patent Filing and Introduction to Intellectual Property System of Pakistan’ on May, 17–18, 2017 held at Punjab University Lahore by Office of Research Innovation & Commercialization (ORIC) in collaboration with IPO-Pakistan.
- Dr. Bushra Tabassum has received certificate of participation for Training on ‘Behavioral Based Biosafety Culture’, 23 August, 2017 held at CEMB by Gulls Foundation in collaboration with American Society for Microbiology and Health Security partners, Pakistan.
- Dr. Bushra Tabassum has received Certificate for oral presentation on ‘A three day workshop on ‘Advances in Agricultural Biotechnology & Regulatory Affairs’, September 25-27, 2017. FCC Lahore-Pakistan.
- Prof. Dr. Ahmad Ali Shahid attended World congress & Expo on Biotechnology and Bioengineering, March 27-29, 2017, Dubai, UAE
- Prof. Dr. Ahmad Ali Shahid attended International Conference on “Bioethics in Molecular Biology and Biotechnology”, July 5-6, 2017, Institute of Biochemistry and Biotechnology, University of Veterinary and animal Sciences, Lahore.
- Dr. Noreen Latied attended 2 days conference on Ethics in challenging time (UHS-March)
- Dr. Bushra Ijaz has received Certificate of participation for International Conference on “Bioethics: Ethics in Challenging Times”, March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Noreen Latief has received Certificate of participation for International Conference on “Bioethics: Ethics in Challenging Times”, March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Bushra Ijaz attended and give oral talk in Asian Pacific Association for the Study of Liver (APSAL) conference to be held from 15.02.17 to 19.02.17 in China.
- Dr. Bushra Ijaz invited as guest speaker and delivered a talk on Cancer Genomics for biomarker Identification at conference on potential Cures of cancer at University of the Lahore

Centre organized the following Conferences/ Seminars and Refreshers Courses at its Premises

- Organized a Training Course for Islamic Countries on “Planning of Cotton Production, Land Preparation, Weed control Pest and Diseases Control and Harvesting” held at CEMB. December 12-16, 2016.
- Organized a Biosafety workshop held at CEMB in 2016.
- Organized a seminar on “Phen-Gen combining phenotypes and genotypes to analyze rare disorders” by Dr. Asif Javed, Research Scientist at Genome Institute of Singapore, 2nd November, 2016, at CEMB.



- Organized a Webinar on “BioRad S3e Cell Sorter and Cell Biological Techniques” by Dr. Imad Aoude, Application Specialist Scientist, BioRad at CEMB on 30 January, 2017
- CEMB Organized International Training Course Microarray for Gene Expression February 14-17, 2017
- Organized International Symposium on advances in molecular Biology of Plants and health sciences entitled “Trend of Expression of Proliferative and Cancer Inducing Genes in Fibrosis to Cirrhosis in HCV 3a Infected Patients Liver Biopsy Samples” held at CEMB 2017
- Organized a lecture on “Communication Skills” April 25, 2017 held at CEMB.
- Centre organized one day Training Workshop on Behavioral Based Safety Cultural (August 23, 2017)
- **Research journals**
Advancements in Life Sciences (ISSN 2310-5380) started from 25th November, 2013.

RESEARCH COLLABORATION

- **Indigenous**
Student Exchange and Research Projects: Centre has strong linkages with different learning institutions. Many students are doing their internship with a background of life science. The institutions are as under,
 - Lahore College for Women University
 - Kinnaird College or Women Lahore
 - University of Veterinary and Animal Science, Lahore
 - Allama Iqbal Medical College (AIMC)/Jinnah Hospital, Lahore
 - Bahuddin Zakria University, Multan
 - Shaheed Zulfiqar Ali Bhutto Medical University, PIMS Islamabad,
 - Benevolent Trust Free Eye Hospital (LRBT), Lahore.
 - Institute of Agricultural Sciences (IAGS), University of the Punjab, Lahore.
 - Arid Agriculture University, Rawalpindi
 - University of Agriculture , Faisalabad
 - University of Lahore, Thokar Niaz Baig, Lahore
 - Government College University, Lahore
 - COMSAT Sahiwal Campus
 - Institute of Biochemistry & Biotechnology IBB, UVAS, Lahore.
 - Govt College Home Economics, Lahore.
 - FC College University, Lahore.
 - College of Earth and Environmental Science (CEES) University of Punjab
 - Avicenna Medical College/Hospital, Lahore.
 - Muhammad Ali Jinnah University, Islamabad
 - The Islamia University, Bahawalpur.
 - National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad



- Abdul Wali Khan University Mardan.
- International Center for Chemical and Biological Sciences, University of Karachi
- **Foreign Linkages**
 - Wilmer Ophthalmology Institute, The Johns Hopkins University, School of Medicine Baltimore, MD. USA.
 - National Institute of Health, Rockville, USA
 - Laboratory of Molecular Genetics, Department of Otorhinolaryngology Head & Neck Surgery, University of Maryland, School of Medicine, Baltimore, USA.
 - University of Miami Miller School of Medicine, RMSB 1129, 1600 NW 10th Avenue, Miami, FL 33136, USA.
 - Agricultural Research Service, USDA, Baltimore Ave, Beltsville, MD USA
 - LifeSensors Inc. 271 Great Valley Parkway, Suite 100, Malvern, PA 19355 USA.
 - Department of Human Genetics, Radboud University Nijmegen Medical, Netherland
 - Korean Bioinformatics Centre, South Korea
 - Personal Genomics Institute, South Korea
 - Genome Research Foundation, South Korea
 - Whitehead Institute for Biomedical Research, Five Cambridge Centre, Cambridge, MA 02142. USA.
- **Funding Grants for R&D**

Sr. #	Project	Sponsoring Agency	Funding Million Rs.
1	A Molecular Approach to Prevent Hereditary Blindness in Pakistan.	HEC (PAK-USA)	6.688
2	Development and commercialization of indigenous Bt and herbicide tolerant Maize hybrids	PARB	22.829
3	Genetic improvement of sugar cane for herbicide and Borer resistance	PARB	22.148
4	Development and commercialization of cotton leaf curl virus/tolerant indigenous transgenic Bt and glyphosate resistant cotton hybrids	PARB	35.776
5	Genetic Improvement of Cotton for Herbicide and Bollworms Tolerance	PARB	18.368
6	Development of Transgenic Cotton with Multiple Genes Resistant to Cotton Leaf Curl Virus	PARB	23.235
7	Novel Approach to Generate wide Spectrum Resistance to all Cotton Begomo viruses Infecting Cotton and other Cultivated Crops	PARB	1.142
8	Baseline susceptibility of corn stem borer (Chilo partellus) in Pakistan to Cry1F and cry1Ab toxin	DuPont USA/ Pioneer Seed Company.	US\$8000



DEPARTMENT OF BOTANY

○ Research and Development

Research and development is the integral part of curricula of all our academic programs. About 80 to 90 percent students of academic programs opt the research & report writing. Research and report writing for M.Sc., MS, M.Phil and Ph.D scholars is mandatory. Software relating to research and development are available as well as hardware. Research supervisor is assigned to every student for research work. Thirty nine Research theses were completed and added to library during this year by the M.Sc, MS, and M.Phil students.

○ Projects:

Completed (duration, sponsoring agency, funding)

Sr. No.	Researchers	Duration	Financial Support (Rs.)	Sponsoring Agency
1.	Dr. Firdaus-e-Bareen Professor / Chairperson	2016-2017	250000	University of the Punjab, Lahore
2.	Dr. Muhammad Saleem Professor	2016-2017	250000	University of the Punjab, Lahore
3.	Dr. Faheem Aftab Professor	2016-2017	250000	University of the Punjab, Lahore
4.	Dr. Abdul Nasir Khalid Professor	2016-2017	250000	University of the Punjab, Lahore
5.	Dr. Shakil Ahmed Associate Professor	2016-2017	200000	University of the Punjab, Lahore
6.	Dr. Farkhanda Jabeen Assistant Professor	2016-2017	150000	University of the Punjab, Lahore
7.	Dr. Farhat Rass Masood Assistant Professor	2016-2017	150000	University of the Punjab, Lahore
8.	Dr. Ambreen Ahmed Assistant Professor	2016-2017	150000	University of the Punjab, Lahore
9.	Dr. Asma Zulfiqar Assistant Professor	2016-2017	150000	University of the Punjab, Lahore
10.	Dr. Atif Kamran Assistant Professor (Adhoc)	2016-2017	150000	University of the Punjab, Lahore
11.	Dr. Abdul Rehman Khan Niazi Assistant Professor (Adhoc)	2016-2017	150000	University of the Punjab, Lahore
12.	Dr. Sheza Ayaz Khilji Assistant Professor (on contract)	2016-2017	150000	University of the Punjab, Lahore
13.	Dr. Syeda Aisha Nazir Assistant Professor (on contract)	2016-2017	150000	University of the Punjab, Lahore

○ Newly launched:

Fourteen faculty members have been applied for newly launched projects funded by the University of the Punjab, Lahore for this year.



- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation+Poster Presentation)
 - Prof. Dr. Muhammad Saleem. Gene organization and post translational modifications of Histone in *Sordaria fimicola*, 2017-2018. University of the Punjab.
 - *Tazeen Jamil*, Rabia Arif¹, Siu Fai Lee² and Muhammad Saleem¹ Annual Conference of the German Genetics Society, 26–28 September 2017, Bochum, German *In silico predictions of PTMs on various proteins of Sordaria fimicola and its role in protein regulation and molecular evolution*
 - Rabia Arif¹, Siu Fai Lee² and Muhammad Saleem¹. The Allied Genetics Conference 2016, Orlando USA Effect of genetic variations on various post translational modifications (PTMs) and its role in protein regulation
 - Rabia Arif¹, Muhammad Ishfaq, Siu Fai Lee ² and Muhammad Saleem¹. 13th European Conference on Fungal genetics, Paris 2016 Evaluating potential Short Sequence Repeats (SSRs) markers and predictions of Post- Translational Modifications of Mating Type A and Translational Elongation factor I proteins in *Sordaria fimicola*
 - 14th International and 5th International Conference of Botany, Karachi, 2016
 - Conference on Genomics' held at Hazara University, Mansehra, Pakistan (27–29 September 2017).
 - Jabeen, S. and Khalid, A. N. 2017. Molecular phylogeny based on ribosomal RNA gene and morphological characterization of species in *Amanita* from cedar dominating forests of Pakistan.
 - Ziaullah, Jabeen, S., Ahmad, H. and A. N. Khalid. 2017. Molecular phylogenetic analysis of *Lactarius pterosporus* from Swat, Pakistan.
 - 9th International Conference on Mycorrhiza (ICOM 9) Prague, Czech Republic (30th July–4th August 2017)
 - Grebenc, T., Unuk, T., Sulzbacher, M., Jabeen, S., Khalid, A. N. & Karadelev, M. 2017. Ectomycorrhizal hypogeous fungi at the upper timber line – recent findings and new species.
 - 6th International and 15th National Conference on “Dynamic Trends in Plant Science-Foresting Environment and Food Security” (9-11 May, 2017)
 - Jabeen, S. and A. N. Khalid. 2017. Conventional and modern approaches to characterize boletes (boletales, basidiomycota) from cedar dominating forests of Pakistan.
 - Ziaullah, Jabeen, S., Ahmad, H. and Khalid, A. N. 2017. Addition of a species in *Bovista* (Agaricales; Basidiomycetes) based on morphology and molecular phylogenetic analysis from Pakistan.
 - Ali, A. Jabeen, S., Kiran, M. and Khalid, A. N. 2017. New and Noteworthy *Pluteus* (Plutaceae) from Fairy Meadows, Gilgit-Baltistan, Pakistan.
 - Bashir, H., Jabeen, S. Khalid, A. N. 2017. Addition of *Trametes versicolor* s. l. in *T. versicolor* complex.
 - Yousaf, N. and Khalid, A.N. 2017. Taxonomy and Phylogeny of Phallales from Pakistan.



- Rehman, U.H., Imran, A., Ali, Shahab, Ali, G, Khalid, A.N. and Fiaz, M. 2017. Reports of new boletoid fungi viz. *Butyriobolus sanicibus* and *Hypomyces chlorinigenus* form temperate forest of district Shangla (Khyber Pakhtunkhwa)
 - Saddiqullah, Wilson, A.W., Fiaz, M., Mueller and Khalid, A. N. 2017. Three new species of *Amanita* from North Western Pakistan.
 - Anwar. A., Afshan, N.S. Khalid. A.N. and Siraj-ud-Din. 2017. Diversity and distribution of powdery mildews of Malakand Division, KP, Pakistan.
 - Izhar, A. and Khalid, A.N. 2017. Mushroom flora of district Sheikhupura, Punjab, Pakistan.
 - Sattar, A., Kiran, M. and Khalid. A.N. 2017. *Entoloma sericeum*: New record of a poisonous mushroom from Pakistan.
 - Khan, J. Sher, H. and Khalid, A.N. 2017. New record of *Herichium cirrhatum* to Pakistani mycoflora, a globally rare growth fungus.
 - Hussain, S. Afshan, N.S., Khalid. A.N. and Ahmed, H. 2017 *Psathyrella fusiform* sp. nov. (Psathrellaceae) new species from Pakistan.
 - Saba, M. Khalid, A.N., Jabeen, S. and Khalid A.N. 2017. Diversity and community structure of ectomycorrhizal fungi associated with *Pinus roxburghii* and *P. wallichiana* across the western Himalayan Forests of Pakistan.
 - Sher, I. Yousaf, N. Qasim, T. and Khalid, A. N. 2017. A study of Rhizospheric fungal communities of *Cycas revoluta* from different localities of Lahore, Pakistan.
 - Ishaq, A. Ishaq, S. Afshan, N.S. and Khalid, A. N. 2017. GIS based predictive modeling rust fungi in Himalayan box plants in Pakistan.
 - Asghar, S. Khalid, A. N. and Niazi, A.R. 2017. Geographical distribution of Ascomycetes in Pakistan. An overview
 - Firdous, Q., Sarwar, S. and Khalid, A.N. 2017. GC-MS analysis of bioactive compounds of molecular characterized *Podocypha petalodes* from Lahore.
 - Ahmad, I., Rashid, A. and Khalid, A.N. 2017. Morphological assessment and phylogenetic analyses in some ecologically important mushrooms found in Coniferous Forests of Swat valley.
 - Imran, A. Urbina, H., Roslingand, A. and Khalid. A.N. 2017. DNA-Meta barcoding analyses of fungal communities from Himalayan Fir Forests in Pakistan.
 - Naseer, A. and Khalid, A.N. 2017. Molecular and Phylogenetic characterization of family Clavulinaceae from temperate forests of Pakistan
 - Rehman, H.U, Fiaz, M., Saddiqullah, Fahad, M. and Bakhtawarkhan, Ali, S. and Khalid, A.N. 2017. Taxonomic study of gilled mushrooms of District Torgarh, Khyber Pakhtunkhwa, Pakistan.
- **Research Publications**
- Qurat-ul-Ain, Bareen F., and Shafiq, M. 2016. Management of the *Parthenium hysterophorus* through biochar formation and its application to rice-wheat cultivation in Pakistan. *Agriculture, Ecosystems & Environment*, 235:265-276 (I.F: 3.564)



- Khilji, S.A., Bareen, F. 2016. Efficiency of duckweed (*Lemna minor* L.) in phytotreatment of tannery sludge. *Biologia*, 62: 45-55
- Khilji, S.A., Bareen, F. Nasrulla, M. and Ali, S. 2016. Multivariate analyses of heavy metal contamination in vegetables and fruits in the vicinity of some industrial areas of the Punjab, Proceedings of the International Symposium on Biotechnology and other Omics in Vegetable Science, held in Turkey, Onus A.H. (Ed), *Acta Hort.* 1145 DOL 1.17660/ActaHortic. 2016.1145.25
- Siddique, S., Perveen, Z., Bareen, F. and Mazhar, S. 2017. Chemical Composition, antibacterial and antioxidant activities of essential oils from leaves of three *Melaleuca* species of Pakistani flora. *Arabian Journal of Chemistry*. IF: .553 <http://dx.doi.org/10.1016/j.arabjc.2017.01.018>
- Siddique, S., Perveen, Z. and Bareen, F. 2017. Chemical composition, antioxidant and antimicrobial activities of essential oil from *Callistemon viminalis* (Gaertn.) G. Don leaves. *Journal of Essential Oil Bearing Plants*. IF: 0.493
- Bareen, F., Saeed, S. and Afrasiab, F. 2017. Differential mobilization and metal uptake *versus* leaching in multimetal soil columns using EDTA and three metal bio accumulators. *International Journal of Phytoremediation*. IF: 1.770. <http://www.tandfonline.com/doi/full/10.1080/15226514.2017.1328391>
- Saima Siddique, Zahida Parveen, Firdaus-e-Bareen, Abida Butt, Muhammad Nawaz Chaudhary, Muhammad Akram. 2017. Chemical composition and insecticidal activities of essential oils of Myrtaceae against *Tribolium castaneum* (Coleoptera: Tenebrionidae). *Polish Journal of Environmental Studies*. (accepted) IF: 0.793
- Rabia. and Saleem M. 2016. Isolation of Coprophilous Fungus *Sordaria fimicola* from Different Areas of Lahore-Pakistan and Molecular Characterization by ITS and RAPD-SCAR PCR DOI: 10.17957/IJAB/15.0272 (IF 0.75)
- Rabia., Arif, S.F. Lee and Saleem M. 2016. Evaluating Short Sequence Repeats (SSRs) markers in *Sordaria fimicola* by High Resolution Melt Analysis. DOI: 10.17957/IJAB/15.0269 (IF 0.75)
- Muhammad Ishfaq, M., Mahmood N., Ahmad, I., and Saleem, M. 2016. Biochemical and Molecular analysis of Laccase Enzyme in Saprobic fungi; *Sordaria fimicola* (Roberge ex Desm.) Ces. & De Not.” DOI: 10.17957/IJAB/15.0265 (IF 0.75)
- Rabia Arif and Muhammad Saleem 2016. Study of Internal Transcribed Spacer Region-II and full its region in different Natural Strains of *Sordaria fimicola* *Sci.Int.* (Lahore), 28(3),2561-2567,2016 Y category
- Ishfaq, M., Mahmood N., Nasir I.A. and Saleem, M 2016. Report on biochemical and molecular characterization of catalase enzyme in saprobic fungi; *Sordaria fimicola*. *Pakistan Journal of Pharmaceutical Sciences*. MS No.4401-Report (I.F: 0.682).
- Ali Q, Ahsan M, Malook S, Kanwal N, Ali F, Ali A, Ahmed W, Ishfaq M, and Saleem M 2016. Screening for drought tolerance: comparison of maize hybrids under water deficit condition. *Advancements in Life Sciences*. 3(2): 51-58



- Ishfaq M., Mahmood N., Ali Q., Nasir I.A., and Saleem M. 2016. Biochemical and Molecular Studies of Various Enzymes Activity in Fungi. *Molecular Plant Breeding*. 7(9):1-16(doi: 10.5376/mpb.2016.07.0009)
- Rabia Arif, S.F. Lee and Saleem M. 2016. Evaluating Short Sequence Repeats (SSRs) markers in *Sordaria fimicola* by High Resolution Melt Analysis. DOI: 10.17957/IJAB/15.0269 (IF 0.75)
- Saleem, M., Rabia Arif, Faiza Akram, Tazeen Jamil, Hamid Mukhtar, Siu Fai Lee, 2017. Genetic Variation and Its Reflection on Posttranslational Modifications in Frequency Clock and Mating Type a-1 Proteins in *Sordaria fimicola*. *Bio. Med Research International*. Vol: 2017. IF: 2.478
- Saleem, M., Ishfaq, M., Mahmood N., Nasir I.A. 2017. Biochemical and molecular analysis of superoxide dismutase in *Sordaria fimicola* and *Aspergillus niger* collected from different environments. *Polish Journal of Environmental Studies*. Vol: 26(1): 115-125 IF: 0.790
- Saleem, M. Ishfaq, M., N. Mahmood, I.A. Nasir. 2017. Biochemical and Molecular analysis of Laccase Enzyme in Saprobic fungi; *Sordaria fimicola* (Roberge ex Desm.) Ces. & De Not. *International Journal of Agriculture and Biology*. Vol: 19: 204-210. IF: 0.758
- Saleem, M., Ishfaq, M., Mahmood N., Nasir I.A. 2017. Report on biochemical and molecular characterization of catalase enzyme in Saprobic fungi; *Sordaria fimicola*. *Pakistan Journal of Pharmaceutical Sciences*. IF: 0.682
- Saleem, M., Rabia Arif, S.F. Lee 2017. Evaluating Short Sequence Repeat Markers in *S. fimicola* by High Resolution Melt Analysis. *International Journal of Agriculture and Biology*. Vol: 19: 248-254. IF: 0.758.
- Saleem, M., Rabia Arif, 2017. Isolation of Coprophilous fungus *Sordaria fimicola* from different areas of Lahore Pakistan, and Molecular Characterization by ITS and RAPD SCAR PCR. *International Journal of Agriculture and Biology*. Vol: 19: 259-265. IF: 0.758.
- Khalid A and Aftab F. 2016. Effect of exogenous application of 24-Epibrassinolide on growth, protein contents and antioxidant enzyme activities of in vitro-grown *Solanum tuberosum* L. under salt stress. *In vitro cellular and Developmental Biology-Plant* 52(1): 81-91. DOI. 10.1007/s11627-015-9745-2.
- Akram, M and Aftab, F. 2016. Fruit size and sampling sites affect dormancy, viability and germination of teak (*Tectona grandis* L.) seeds. *Pakistan Journal of Botany* 48(2): 511-518.
- Sajid, Z. A and Aftab, F. 2016. An efficient method for the establishment of cell suspension cultures in potato (*Solanum tuberosum* L). *Pakistan Journal of Botany* 48 (5): 1993-1997.
- Sajid, Z. A and Aftab, F. 2016. Foliar Spray of Ascorbic acid improves salinity tolerance in *Solanum tuberosum* L., *Acta Hortic*. 1145: 69-74.



- Akram, M. and Aftab, F., 2017. Somatic embryogenesis and plant regeneration from calluses derived from shoot-tips of forced softwood shoots of teak (*Tectona grandis* L. f.). HPJ 45; in press.
- Jabeen, S., Ahmad, I., Rashid, A. & Khalid, A. N. 2016. *Inocybe kohistanensis*, a new species from Swat, Pakistan. *Turkish Journal of Botany*, 40: page doi:10.3906/bot-1501-17
- Jabeen, S., Niazi, A.R., Khalid, A. N. 2016. First record of *Russula anthracina* and its ectomycorrhiza from South Asia. *Mycotaxon*, 131 (1): 31–44.
- Qasim, T., Khalid, A. N. & Vellinga, E. C. 2016. A new species of *Lepiota*, *Lepiota lahorensis*, from Lahore, Pakistan. *Turkish Journal of Botany*, 40: doi:10.3906/bot-1507-31
- Chen, J., Parra, L. A., Kesel, A.D., Khalid, A. N., 2016. Qasim, T., Ashraf, A., Bahkal, A. H., Hyde K. D., Zhao, R. & Callac, P. Inter- and intra-specific diversity in *Agaricus endoxanthus* and allied species reveals a new taxon, *A. punjabensis*. *Phytotaxa*, <http://dx.doi.org/10.11646/phytotaxa.00.0.0>
- Razaq, A., Ilyas, S. and Khalid, A. N. 2016. Molecular identification of Chinese *Chroogomphus roseolus* from Pakistani forests, a mycorrhizal fungus, using ITS-rDNA marker. *Pakistan Journal of Agricultural Sciences*, 53(2): 393-398.
- Usman, M., Sadiqullah, Afshan, N. S., Niazi, A.R. & Khalid, A.N. 2016. New host records for pathogenic fungi in Pakistan. *Science International* 28(3): 3063-3087.
- Usman, M., Ishaq, A., Afshan, N.S., Niazi, A.R. and Khalid, A.N 2016. Diversity and distribution of Rust fungi causing plant disease in Swat District, Khyber Pakhtunkhwa (KP), Pakistan. *Science International*, 28(4): 3993-4000.
- Hussain, S., Afshan, N. S., Habib, A., Khalid, A.N. & Niazi, A.R. 2016. *Parasola malakandensis* sp. nov. (Psathyrellaceae; Basidiomycota) from Malakand, Pakistan. *Mycoscience*, <http://dx.doi.org/10.1016/j.myc.2016.09.002> (IF 1.418)
- Hernández-Restrepo, M., Schumacher, R. K. Wingfield, M. J. Ahmad, I, Cai, L., Duong, T, A. Edwards, J., Gené, J., Groenewald, J. Z., Jabeen, S., Khalid, A. N. Lombard, L. Madrid, H., Marin-Felix, Y., Marincowitz, S., Miller, A. N. Rajeshkumar, K. C., Rashid, A., Sarwar, S., Stchigel, A. M., Taylor, P. W. J., Zhou, N. & Crous, P. W. 2016. Fungal Systematics and Evolution: FUSE 2. *Sydowia*, 68: 193–230.
- Adamčík, S., Caboň, M., Eberhardt, U., Saba, M., Hampe, F., Slovák, M., Kleine, J., Marxmüller, H., Jančovičová, S., Pfister, D. H., Khalid, A. N., Kolařík, M., Marhold, K. & Verbeken, A 2016. A molecular analysis reveals hidden species diversity within the current concept of *Russula maculata* (Russulaceae, Basidiomycota). *Phytotaxa* 270(2): 071–088 <http://dx.doi.org/10.11646/phytotaxa.270.2.1>
- Khan, J., Sher, H. and Khalid, A. N. 2016. *Abortiporus biennis*: the third record of this fungus and a new genus name for the Pakistan funga. *Austrian Journal of Mycology*, 25: 19-22.
- Razaq A, Nawaz R, Khalid AN 2016. An Asian edible mushroom, *Macrocybe gigantea*: its distribution and ITS-rDNA based phylogeny. *Mycosphere* 7(4), 525–530, Doi 10.5943/mycosphere/7/4/11



- Sarwar, S., Jabeen, S. Khalid, A. N. and Dentinger B. T. M. 2016. Molecular phylogenetic analysis of fleshy pored mushrooms: *Neoboletus luridiformis* and *Hortiboletus rubellus* from Western Himalayan range of Pakistan. *Pakistan Journal of Botany*, 48(5): 2077–2083.
- Khan, J., Sher, H., Naseer, A. and Khalid, A. N. 2017. *Descolea quercina* (Bolbitaceae), a new species from moist temperate forests in Pakistan. *MycKeys*. 27: 65-76
- Ishaq, A., Afshan, N. S. and Khalid, A. N. 2017. First report of the uredinial and telial states of *Puccinia heraclei* in Pakistan. *Journal of Plant Pathology* 99 (3): 799-817
- Ishaq, A., Afshan, N. S. Niazi, A. R., Aime, M. C. and Khalid, A. N. 2017. First Report of Rust caused by *Pucciniastrum guttatum* on *Galium* sp. from Pakistan. *Plant Disease* 101(1): 245.
- Sadiqullah, Ishaq, A., Fiaz, M., Khalid, A.N. & Ahmad, H. 2017. *Urocystis narcissi* (Ustilaginomycetes, Basidiomycota), a new record from Asia. *Mycotaxon* 132(1): 231-234
- Jabeen, S., Razaq A., Niazi, A.R., Ahmad, I., Grebenc, T. and Khalid, A. N. 2017. *Russula ahmadii*, a new species in section *Ingratae* and its ectomycorrhiza from coniferous forests of Pakistan. *Phytotaxa*, 321 (3): 241–253. <https://doi.org/10.11646/phytotaxa.321.3.2>
- Jabeen, S., Niazi, A. R. and Khalid, A. N. 2017. *Russula brunneopurpurea* sp. nov. and its ectomycorrhiza from Pakistan. *Mycosphere*, 8 (8): 1059–1069. <https://doi.org/10.5943/mycosphere/8/8/7>
- Khan, J., Kiran, M., Jabeen, S., Sher, H. and Khalid, A. N. 2017 *Gymnopilus penetrans* and *G. swaticus* sp. nov. (Agaricomycota: Hymenogasteraceae); a new record and a new species from northwest Pakistan. *Phytotaxa* 312 (1): 060–070. <https://doi.org/10.11646/phytotaxa.312.1.4>
- Nawaz, F., Jabeen, S. and Khalid, A. N. 2017. New and noteworthy *Melanoleuca* (Pluteaceae) from Pakistan. *Phytotaxa* 311 (2): 175–184. <https://doi.org/10.11646/phytotaxa.311.2.5>
- Farooqi, A., Aqdas, F., Niazi, A. R. Jabeen, S. and Khalid, A. N. 2017. *Inocybe ahmadii* sp. nov. and a new record of *I. leptocystis* from Pakistan. *Mycotaxon* 132 (2): 257–269. <https://doi.org/10.5248/132.257>
- Jabeen, S., Kiran, M., Sadiq ullah, Wilson, A., Mueller, G. M., Fiaz, M and Khalid, A. N. 2017. *Amanita glarea*, a new species in section *Vaginatae* from Pakistan. *Phytotaxa*, 306 (2): 135–145. <https://doi.org/10.11646/phytotaxa.306.2.3>
- Razaq, A., Ilyas, S. and Khalid, A. N. 2017. Phylogeny and Taxonomy of *Hebeloma theobrominum* and *H. mesophaeum* from Western Himalaya. *Int. J. Agric. Biol.*, 19: 584–588
- Ishaq, A., Afshan, N. S. Niazi, A. R., Aime, M. C. and Khalid, A. N. 2017. First report of rust caused by *Pucciniastrum guttatum* on *Galium* sp. from Pakistan. *Plant Disease*. 101 (1): 245. <https://doi.org/10.1094/PDIS-04-16-0544-PDN>



- Khan, W., Yasin, N.A., Ahmed, S. and Ahmad, A. 2016. Role of Ni- tolerant *Bacillus* Spp. And *Althea rosea* L. in the phytoremediation of Ni-Contaminated soils. *International Journal of Phytoremediation* (IF: 2.085)
- Nausheen Ameer, Ghulam Mustafa, Imran Khan, Muhammad Zahid, Maimoona Yasinzai, Surraya Shahab, Nazia Asghar, Ikram Ullah, Afaq Ahmed, Iqbal Munir, Hamayoon Khan, Saeed Badshah, Imran Shahid, Muhammad Nauman Ahmed, Afia Zia and Shakil Ahmed. 2017. Chemical Sensors: Promising tools for the online monitoring of fluorides- A review. *Fluoride*. Accepted 50 (2 Pt 2). (IF: 1.342.)
- Waheed Ullah Khan, Nasim Ahmad Yasin, Sajid Rashid Ahmad, Aamir Ali, Shakil Ahmed & Aqeel Ahmad 2017. Role of Ni-tolerant *Bacillus* spp. and *Althea rosea* L. in the phytoremediation of Ni-contaminated soils. *International Journal of Phytoremediation*. 19:5, 470-477, DOI:10.1080/15226514.2016.1244167.(IF:2.085)
- Afrasiab, H, Rashid, N. and Akram, M. 2017. An efficient method for direct shoot regeneration from leaf explants of *Solanum nigrum* induced by thiadizuron. *International Journal of Agriculture and Biology*. 19(2): 348-354. (I.F. 0.940).
- Fatima H. and Ahmed A. 2016. How chromium-resistant bacteria can improve corn growth in chromium contaminated growing medium. *Polish Journal of Environmental Studies*, 25(6): 2357-2365 [IF -0.790]
- Naseem S., Yasin M., Faisal, M and Ahmed A. 2016. Comparative study of plant growth promoting bacteria in minimizing toxic effects of chromium on growth and metabolic activities in wheat (*Triticum aestivum*). *Journal of Chemical Society of Pakistan*, 38 (3): 509-516. [HEC recognized journal]
- Wagi S. and Ahmed A. 2016. A report on the quality assessment of preserved fruit juices: microbial and biochemical analysis. *Science International*. 28 (2): 2053-2057.
- Aslam T. and Ahmed A. 2016. Growth improvement studies in *Brassica rapa*, *Journal of Bacteriology and Mycology: Open access*, 3(3): 00062
- Arshad Q. and Ahmed A. 2017. Chromium-resistant PGPB: growth stimulatory impact on *Vigna radiata* L. under chromium stress. *Romanian Biotechnology Letters*. 22(5): 12988-12996
- Wagi S. and Ahmed A. 2017. Phyllospheric plant growth promoting bacteria. *Journal of Bacteriology and Mycology: Open access*. 5(1): 00119
- Enid Perez-Lara, Kassa Semagn, Hua Chen, Muhammad Iqbal, Amidou N'Diaye, Atif Kamran, Alireza Navabi, Curtis Pozniak, Dean Spaner 2016. QTLs Associated with Agronomic Traits in the Cutler × AC Barrie Spring Wheat Mapping Population Using Single Nucleotide Polymorphic Markers <http://dx.doi.org/10.1371/journal.pone.0160623> (I.F: 4.244)
- Dr. Abdul Rehman Niazi Syatematic study of some gilled Mushrooms from District Hafizabad, Pakistan
- Niazi, A.R., A. Ishaq¹ & Afshan N.S. *Sphaerophragmium*, a new holomorph for *Uredo dalbergiae*? and a common pathogen of Shisham tree in Pakistan



- Sajid, Z.A and Safdar, M and Khilji, S.A. 2016. Amelioration of Salinity Stress Tolerance in Pea (*Pisum sativum* L.) by Exogenous Application of Salicylic Acid. *Bilogia (Pakistan)* 62(1): 69-78.
- Sajid, Z.A and Aftab F. 2016. Foliar spray of ascorbic acid improves salinity tolerance in *Solanum tuberosum* L. *Aacta Horticulturae*. 1145(10): 69-74.

RESEARCH COLLABORATION

○ Indigenous

- Prof. Dr. Muhammad Saleem
 - Dr. Habib Ullah at LUMS
 - Dr. Shaukat at PCSIR, Lahore.
- Prof. Dr. Faheem Aftab
 - Dr. Uzma Qaisar SBS
- Dr. Abdul Nasir Khalid
 - Dr. Habib Ahmed (Hazara University, Mansehra)
 - Dr. Muhammad Fiaz (Hazara University, Mansehra)
 - Dr. Shah Hussain & Dr. Hassan Sheer University of Swat.
 - Dr. Zafar Iqbal (University of the Punjab, Lahore)
 - Dr. Abdul Rehman Khan Niazi, University of the Punjab, Lahore
 - Dr. Najamul Sehar Afshan, University of the Punjab, Lahore.
 - Dr. Muhammad Hanif, Govt. College University, Lahore.
 - Dr. Samina Sarwar, Lahore College for Women University, Lahore.
- Dr. Abdul Rehman Niazi
 - Prof. Dr. Habib Ahmad, Hazara University, Mansehra, KPK. Pakistan.
 - Dr Shaukat Bhatti, University of Azad Jammu and Kashmir.
 - Prof. Dr. Shamshad, Institute of Chemistry, University of Punjab, Lahore.
 - Dr. Hanif Ahmad, Govt. College University, Lahore.
 - Dr. Samina, Lahore College for Women University, Lahore.

○ Foreign Linkages

- Professor Dr. M. Saleem
 - Prof. Nevo and Dr. Bernard Lamb, Imperial College, UK.
- Dr. Abdul Nasir Khalid
 - Dr. Reinhard Berndt (ETH, Switzerland)
 - Dr. Cvetomir M. Denchev, Bulgaria
 - Prof. Dr. Zhu L. Yang, China
 - Dr. Jacques Guinberteau, France
 - Dr. Moreno, G. (Spain)
 - Dr. Kreisel, H. (Germany)
 - Dr. Bryn Masson Dentinger (Royal Botanical Garden, Kew, UK)
 - Dr. Donald Fister (Havrad University, USA)
 - Dr. Tom D. Bruns (University of California, USA)



- **Dr. Abdul Rehman Khan Niazi**
 - Dr. Rodham E Tulloss, New Jersey, USA.
 - Prof. Dr. Zhu L. Yang, China.
 - Dr. Alejendra Becerra, Argentina.
 - Dr. Xavier Parlade, Spain.
 - Dr. Slavomir Adamicik, Czech.
- **Funding grants for R & D**

Most of the research projects going on in the department are funded by Higher Education Commission, Pakistan, University of the Punjab, Lahore and some other funding agencies.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **R&D-An Overview**

Established in 2002, in University of the Punjab, Department of Microbiology and Molecular Genetics, has emerged as one of the leading department in the university. The department has well equipped research labs and basic facility for Microbiology and Molecular Genetics related research. Currently there are 25 faculty members among them 20 are PhDs and are running their independent research groups. The main research areas are Human Genetics, Bacterial Biofilms, Environmental Microbiology, Metal Detoxification and Water Treatment, Agricultural Microbiology, Agricultural biotechnology, Plant Microbial Interactions, Biofertilizers, Biopesticides, Microbial Ecology, Microbial Diversity, Bioplastics, Industrial Microbiology, Drugs Discovery, Immunology, Medical Microbiology, bacteriophage therapy, anaerobic bacteriology, biodiesel and biofuels, Cancer Metabolism/Therapy, and Bioinformatics. There are 70 PhD students at the department, and annually about >50 research papers in impact factor internationally reputed journals are published. Department has organized >13 workshop, seminars and conferences.
- **Projects: Completed**
 - Research Project entitled “Evaluation of genotoxic potential of pesticides”. Funded by the University of the Punjab, Lahore, 2015-2016, of worth Pak Rs. 0.25 million, **PI:** Dr Sikander Sultan.
 - Punjab University Research Project (2015-2016) of worth Pak Rs. 0.20 million. Isolation, characterization of common scab pathogens and effective antagonistic bacterial strains for biological control of the disease. **PI:** Dr. Zakia Latif.
 - Research Project entitled “Characterization of bacteriophage JHP1 full Genome isolated against *Pseudomonas aeruginosa*”. Funded by the University of the Punjab, Lahore, 2015-2016, of worth Pak Rs. 0.15 million, **PI:** Dr Shafiq ur Rehman.
 - Research Project entitled, “Isolation and Characterization of Bacteriophages against the Multidrug resistant bacterial pathogens to be used for phage therapy” funded by Higher Education Commission, Pakistan of worth 6.81 million, **PI:** Dr. Shafiq ur Rehman.
 - Research Project entitled “Mevalonate pathway: potential target for leukaemia therapeutics”. COMSTECH-TWAS (of worth PKR 0.82 million). **PI:** Dr Nousheen Zehra Zaidi.



- Research Project entitled “Correlation between Intracellular Cholesterol and Extracellular Cholesterol Contents in Leukemia Cells.”. University of the Punjab, Lahore (of worth PKR 0.15 million). PI: Dr Nousheen Zehra Zaidi.
- Research project entitled “Genetic and functional diversity of bacteria isolated from fresh vegetables” funded by University of the Punjab, Fiscal year 2015-16 (Total cost Rs. 0.15 m). PI: Dr. Basharat Ali.
- Research project entitled “Auxin production and biofertilization potential of plant associated *Bacillus* sp. under different water regimes” funded by Higher Education Commission of Pakistan. (Total cost Rs. 0.369 m; work under progress). PI: Dr. Bashrat Ali.
- Research Project entitled ‘The C1431T polymorphism of Peroxisome Proliferator activated receptor γ (PPAR γ) is associated with low risk of diabetes in a Pakistani cohort’ University of the Punjab, Lahore (of worth 0.125m), PI: Dr Shabana
- Research Project entitled “Screening for antitumor/anticancer compounds from indigenous actinomycetes”. Funded by Higher Education Commission of Pakistan, 20 of worth PKR. 8.96136 million, Continued, PI: Dr. Imran Sajid.
- Research project entitled: Association analysis of homologous DNA repair complex genes and breast cancer. University of the Punjab (of worth PKR 0.125 million). PI: Warda Fatima
- Research project entitled: “Potential of Bioactive compounds from Cyanobacteria” University of the Punjab (of worth PKR 0.125 million). PI: Dr Mehboob Ahmed
- Research Project Entitled: “A Scalable and Flexible Social-Interconnection Architecture for Mobile Devices[2015-16]” University of the Punjab (of worth Rs. 1,25,000). PI: Mr. Muhammad Zeeshan Akbar.
- Research Project Entitled: “Isolation and Characterization of Multiple-Metal Resistant Bacteria & Their Potential to Reduce As(V) and Cr(VI)” University of the Punjab (of worth Rs. 1,25,000). PI: Dr. Yasir Rehman.
- Research Project Entitled: Evaluation and Analysis of Human Folate levels in diabetic Population of the Punjab University Premises (of worth Rs. 1,25,000). PI: Dr. Samreen Riaz. (PU 2015).
- Research Project Entitled “Therapeutic Evaluation of Human Homocystien levels in the diabetic Population of the Punjab University Premises” (of worth Rs. 1,25,000). PI: Dr. Samreen Riaz.(PU 2016).
- Punjab University Research Project (2015-2016)- Molecular Detection Of Beijing And Non-Beijing Genotypes Among *Mycobacterium Tuberculosis* Strains. PI Dr. Nazia Jamil
- Research project (2015-2016) entitled “Phytochemical screening and antibacterial potential of some local herbs of medicinal value” funded by University of the Punjab, Lahore.
- International Foundation for Science (IFS) Sweeden, (2014-17)-PI Dr. nazia Jamil. Analysis of purified bioplastic from indigenous bacteria for in-vitro cell culturing,Worth 10000 USD.



- Punjab university research project entitled “Lactose Intolerance and its Association with Single Nucleotide Polymorphisms of the Lactase Gene” (2015-16) worth Rs. 1,50000
- Punjab university research project entitled “Isolation and characterization of tellurite resistant bacteria from industrial effluents” (2015-2016) worth Rs. 1,50000. PI Dr. Abdul Rehman.
- Punjab University research project entitled “Isolation and Characterization of selenium nano-particles from selenium resistant bacteria” (2015-2016) worth Rs.150000. PI: Dr. Muhammad Faisal.
- Received grant of 150,000 from Punjab University for year 2015-2016 for research project entitled as "Targeting Hepatocellular Carcinomas by lentiviral mediated downregulation of cancer metabolism genes either single or in combinations". PI: Dr. Muhammad Abid Sheikh
- **Projects:** Newly launched
 - Analysis of bacterial bioaerosols in different indoor microenvironments. Funded by the University of the Punjab, Lahore, 2017-2018, of worth Pak Rs. 0.25 million, **PI:** Dr Sikander Sultan.
 - HEC Research Project under National Research Program for Universities (NRPU) (2014-17) entitled: “Anticancer Therapy: Targeting De Novo Lipid Synthesis.” (of worth 16.7 million PKR) **PI:** Dr. Nousheen Zehra Zaidi.
 - Punjab University research project entitled “Microbial degradation of petrol by Bacillus and Enterobacter species” as PI (2016-2017) worth Rs.150000. PI: Dr. Muhammad Faisal.
 - Research project entitled “Phylogenetic diversity and biofilm formation of bacterial communities associated with drinking water distribution system” funded by Univesity of the Punjab, Lahore, fiscal year 2017-2018, worth Rs. 0.15 million. **PI:** Dr. Basharat Ali.
 - Research Project, entitled, “Cloning, expression and characterization of virolysin genes of bacteriophages against *Pseudomonas aeruginosa*”, funded by the University of the Punjab, Lahore, 2017-2018, of worth Pak Rs. 0.15 million, **PI:** Dr. Shafiq ur Rehman.
 - Research Project Entitled: “Impact of diet on intracellular lipid reservoirs in peripheral blood mononuclear cells”(2017-18) by University of the Punjab, Lahore (of worth 0.15m) PI: Dr. Nousheen Zehra Zaidi.
 - Analysis of rs5918 polymorphism in Integrin beta 3 (ITGB3) gene and serum biochemical traits with the risk of coronary artery disease in the Pakistani subjects by University of the Punjab, Lahore (of worth 0.15m) PI: Dr Shabana.
 - HEC SRGP (164) Rs 448,500/- entitled “UV Protectants from Cyanobacteria and their Efficiency”. Dr Mehboob Ahmed
 - MPhil Project of Punjab National Aids Program



- HEC Research Project under National Research Program for Universities (NRPU) (2017-20) Rs 6035,324/- entitled "Assessment of Cyanobacterial Toxins in Reservoirs and Drinking Water Facilities Throughout Pakistan". Dr Mehboob Ahmed
- HEC Research Project under Startup Research Grant Program (SRGP) (2017-18) Rs 500,000/- entitled "Potential role of Staphylococcal Penicillin Binding proteins (PBPs) in cross reactivity with murine cytokine assay". Dr. Numan Javed
- Research Project Entitled: "Analysis of Saline Soil Bacteria Through Metagenomic and Culture Dependent Techniques" (2017-18) by University of the Punjab, Lahore (of worth 0.15m) PI: Dr. Yasir Rehman.
- Research project entitled "A green synthetic approach to synthesize gold nanostructures using plants and bacteria, their characterization and toxicity studies" (2017-2018) by University of the Punjab, Lahore (0.15 m) PI: Hera Naheed Khan
- Research project entitled "Beneficial Effects of Olive Oil in the Cholesterol level on the Patients suffering diabetes Mellitus" (PU 2017-2018). by University of the Punjab, Lahore (of worth 0.15m) PI: Dr Samreen Riaz.
- HEC funded project (NRPU-20-3443) 3.54 million PKR 2016-18. PI.Dr. Nazia Jamil, CoPI Dr. Rida Batool. Conversion of organic waste water into Bioplastic using bacteria: Fermentor Scale.
- HEC funded project (NRPU-20-3743) 4.2 million PKR 2016-19 PI Dr. Rida Batool, CoPI. Dr. Nazia Jamil. Removal of Cr(VI) from aqueous solution through chemically modified and bacterial coated rice husk and wheat bran.
- Higher Education Commission funded Research Project (2013-15)-CoPI Dr. Nazia Jamil. Anticancer therapy: Targeting De Novo Lipid synthesis 16.4 million PKR.
- Research project (2017-2018) PI Dr. Rida Batool entitled "Analysis of Phytochemical Constituents, Antioxidant and Antibacterial Activities in *Achillea millefolium*, *Sisymbrium irio* and *Viola canescens* from AJK" funded by University of the Punjab, Lahore. (in progress)
- Punjab University Research Project (2017-2018)-PI Dr. Nazia Jamil Analysis of Fresh water for bacteria accumulating Biodegradable plastic.
- Punjab university research project entitled "Screening of *PCDH19* gene for Mutations and SNPs in association with Dravet syndrome" (2017-18) worth Rs. 150000
- Research Project (2017-2018). "Molecular characterization of MRSA isolated from tracheal tubes: their biofilm formation and control" funded by the University of the Punjab, Lahore,. PI: Dr. Zakia Latif.
- Research Project (2017-2018). "Potential role of Staphylococcal Protein A (*Spa*) in cross reactivity with murine cytokine assay" funded by the University of the Punjab, Lahore,. PI: Dr. Numan Javed
- Punjab University research project entitled "Oil degradation potential of bacterial strains from indigenous " as PI (2017-2018) worth Rs.150000. PI: **Dr. Muhammad Faisal.**



- Received grant of 1,50,000 from PU for the year 2017-2018 entitled "Cytotoxic effects of lentiviral particles expressing shRNAs against FASN and HMGCOA reductase on liver cancer cells HepG2". PI. Dr. Muhammad Abid Sheikh
- Received grant of 1,50,000 from PU for the year 2017-2018 entitled "Cloning of shRNA oligos against Dpp6 gene in lentiviral vector (pLL3.7) to be used for targeting colon cancer cells". PI. Dr. Yousra Saeed Malik

○ Publications

Research Articles

- Javed, H., Tahir, Z., Hashmi, H. J., **Jamil, N.** 2016. A cross-sectional study about knowledge and attitudes toward multidrug-resistant and extensively drug-resistant tuberculosis in a high-burden drug-resistant country International Journal of Mycobacteriology 5(2), 128-134.
- Shuja, M and **Jamil, N.** 2016. Reexamining intra and extracellular metabolites produced by *Pseudomonas aeruginosa*, Journal of Coastal Life Medicine 4(2) 132-139.
- Abrar, S. and **Riaz, S.** 2016. Impact of Putative Bacteriocins against Multidrug Resistant Clinical Isolates. Medical Forum. 27 (2): 28-32.
- Ain, N. Abrar, S. Kiran Nazeer and **Riaz, S.** 2016. Extended spectrum beta-lactamases and metallo-beta-lactamases: An update from Lahore, Pakistan. European Journal of Pharmaceutical and Medical Research. 3(9), 92-97.
- **Riaz, S.**, Bashir, M.F., Haider, M.S., Rashid, N. 2016. Association of Genotypes with Viral Load and Biochemical Markers in HCV Infected Sindhi Patients. Brazilian Journal of Microbiology 46-980-986.
- Saba, S., Javed, T., **Riaz, S.**, Afzal, S., Hussain, S., Riaz, S., Uzair, M., Chaudhary, B.A. 2016. Phytochemical and Biological Evaluation of *Ocimum basilicum* Roots. International Journal of Pharmacy and Pharmaceutical Research. 7 (2): 292-301.
- Abass S, **Fatima W**, Mahmood S. Homologous DNA repair: safeguarding genome territories from knives *Current science*, 2016, 111(8): 1335-1339.
- Aziz F, **Fatima W**, Mahmood S, Khokher S. Screening for Del 185 AG and 4627C>A BRCA1 Mutations in Breast Cancer Patients from Lahore, Pakistan. *Asian Pac J Cancer Prev*, 2016; 17 (4), 1725-1727.
- Mohsin H, Asif A, **Fatima W**, Nadeem S, **Sabri AN**. Assessment of biocalcification by the water absorption test using microorganism from oil contaminated site. *Punjab Univ. J. Zool.*, 2016, 31 (1): 009-012.
- Ilyas, S. Z., Tabassum, R., Hamed, M. H., **Rehman, S. U.**, and Qadri, I. 2017. Hepatitis C Virus Associated Extrahepatic Manifestations in Lung and Heart and Antiviral Therapy Related Cardiopulmonary Toxicity. *Viral Immunology*. 30(9): 633-41.
- Hashmi, M., Hussain, A., **Rehman, S. U.**, Ahmed, F., Aslam, S., Afzal, N., and **Abbas, Z.** 2017. Negative association of *HLA-DRB1*11* and *HLA-DRB1*12* alleles with aeroallergy patients visiting Allergy Centre (NIH), Islamabad, Pakistan. *Pakistan Journal of Zoology*. 49(5). 1563-1569.



- Uroos, M., **Abbas**, Z., Sattar, S., Umer, N., Shabbir, A., **Rehman**, S. U., and Sharif, A. 2017. Comparison of anti-arthritic activity of n-hexane, ethyl acetate, and methanol extracts of *Nyctanthes arbor-tristis* using FCA-induced arthritic rat mode. Evidence-Based Complementary and Alternative Medicine. Volume 2017, Article ID 4634853, 13 pages. <https://doi.org/10.1155/2017/4634853>.
- Shafique, M., Alvi, I. A., **Abbas**, Z., and **Rehman**, S. U. 2017. Assessment of Biofilm Removal Capacity of a Broad Host Range Bacteriophage JHP against *Pseudomonas aeruginosa*. **APMIS**. 125. 579-584.
- Tahir, A., Asif, M. **Abbas**, Z. and **Rehman**, S U. 2017 Three Bacteriophages SA, SA2 and SNAF can Control Growth of Milk Isolated *Staphylococcal* Species. Pakistan Journal of Zoology. 49.2:493-496.
- **Shabana**, Ehsan, F., **Hasnain**, S. 2017. Role of Peroxisome Proliferator Activated Receptor γ Coactivator 1 Alpha (PPARGC1 α Or PGC-1 α) Gene Missense variant Gly482Ser in the Pakistani Diabetic subjects. *Pakistan Journal of Zoology*. **49(5)**: 1-4.
- Shahid, S. U., **Shabana**, **Rehman**, A. 2017. Association patterns of Endothelial Nitric Oxide Synthase Gene (*NOS3*) variant Glu298Asp with blood pressure and serum lipid levels in Subjects with Coronary Artery Disease from Pakistan. *Annals of Human Genetics*. **81**: 129-131.
- Shahid, S. U., **Shabana**, Cooper, J. A., **Rehman**, A., Humphries, S. E. 2017. Common variants in the genes of triglyceride and HDL-C metabolism lack association with coronary artery disease in the Pakistani subjects. *Lipids in Health and Disease*. (2017) 16: 24.
- Shahid, S. U., **Shabana**, Cooper, J. A., Beaney, K. E., Li, K. W., **Rehman**, A., Humphries, S. E. Genetic risk analysis of coronary artery disease in the Pakistani subjects using a genetic risk score of 21 variants. *Atherosclerosis*. 2017. 258(2017):1-7.
- Qureshi, S. A., Mumtaz, A., Shahid, S. U., **Shabana**. A common variant, rs3751812, in Fat mass and Obesity associated (*FTO*) gene is associated with serum high and low density lipoprotein cholesterol in the Pakistani subjects. *Nutrition*. 2017. 39: 92-95.
- Ismail, A. B., Bour, M. E., Ktari, L. T., **Ahmed**, M., Bolhuis, H., Boudabous, A. C., Stal, L., Cretoiu, M. S. (2016). Antimicrobial activities of epiphytic bacteria associated of the brown alga *Padina pavonica*. *Frontiers in Microbiology* doi: 10.3389/fmicb.2016.01072.
- **Fatima W.**, **Hasnain S.**, Mahmood S. Gene-environment interactions in schizophrenia: features from a Pakistani family. *Punjab Univ. J. Zool.*, 2017, 32 (1): 021-024.
- **Fatima W**, Mahmood S, **Hasnain S**, Rana NH, Khan NS, Naeem F, Ayub M. Parental Consanguineous Marriages are Associated with Early Age of Onset of Schizophrenia in a Pakistani Cohort. *International Journal of Human Genetic.*, 2017, 17 (3):135-139.
- Asif A, Mohsin H, Chaudhry SN, **Fatima W**. Comparative Analysis of Biosurfactant Production Assays by Five Indigenous Oil Sludge Bacteria. *Biologia (Pakistan)* 2017, 63 (2), 205-209.



- Ameer, F., Munir, R., Usman, H., Rashid, R., Shahjahan, M., **Hasnain, S.**, and **Zaidi, N.** 2017. Lipid-load in peripheral blood mononuclear cells: Impact of food-consumption, dietary-macronutrients, extracellular lipid availability and demographic factors. *Biochimie*, **135**: 104-110.
- Zaid, M., Ameer, F., Munir, R., Rashid, R., Farooq, N., **Hasnain, S.**, and **Zaidi, N.** 2017. Anthropometric and metabolic indices in assessment of type and severity of dyslipidemia. *Journal of Physiological Anthropology*, **36**(1): 19-28.
- Mukhtar, Z and **Hasnain, S.** 2017. Transgenic basmati rice transformed with the Xa21 gene shows resistance against bacterial leaf blight. *Turkish Journal of Botany*, **41**: 1-10.
- Qadeer, M.I., Amar, A., Mann, J.J., **Hasnain, S.** (2017) Polymorphisms in dopaminergic system genes; association with criminal behavior and self-reported aggression in violent prison inmates from Pakistan. *PLoS ONE* **12**(6): e0173571.
- Mehmood, U., **Hasnain, S.** 2017. Evidence of involvement of proteins in germination of germination defective spores of bacillaceae, with alanine. *International Journal of Technical Research & Science*(online), **2**(1): 30-35.
- **Javed N.**, Xue G ., LuA ., Xing Y ., Iwakura Y ., Xiao H ., Lecoeur H ., F. Späth G ., Meng G ., Cross reactivity of *S. aureus* to murine cytokine assays: A source of discrepancy. *Cytokine* **2016**; **81**: 101–108.
- **Javed, N.**, Abbas, Z., Thair, R., Afzal, N., Isolates of *Staphylococcus aureus* induce selected metabolites in human polymorphonuclear leucocytes. *Pakistan J. Zool* **2016**; **48**(5): 1563-1565.
- Batool, K., Zahra, F.T., and **Rehman, Y.** 2017. Arsenic-redox transformation and plant growth promotion by purple non-sulfur bacteria *Rhodopseudomonas palustris* CS2 and *Rhodopseudomonas faecalis* SS5. *BioMed Research International*, doi:10.1155/2017/6250327.
- Yousaf, M., **Rehman, Y.**, and Hasnain, S. 2017. High-yielding wheat varieties harbour superior plant growth promoting-bacterial endophytes. *Applied Food Biotechnology*, **4**(3): 143-154. <http://dx.doi.org/10.22037/afb.v4i3.15014>.
- Shafique, M., Jawaid, A. and **Rehman, Y.** Redox biotransformation of arsenic along with plant growth promotion by multi-metal resistance *Pseudomonas* sp. MX6. *Comptes rendus Biologies*, **340**: 330-338.
- Qamar, N., **Rehman, Y.**, **Hasnain, S.** 2017. Arsenic-resistant and plant growth promoting Firmicutes and γ -Proteobacteria species from industrially polluted irrigation water and corresponding cropland. *Journal of Applied Microbiology*, **123**: 748-758.
- Shafique, M., Jawaid, A. and **Rehman, Y.** 2017. As(V) reduction, As(III) oxidation and Cr(VI) reduction by multi-metal resistant *Bacillus subtilis*, *Bacillus safensis* and *Bacillus cereus* species isolated from wastewater treatment plant. *Geomicrobiology*, **34**(8): 687-694.



- Abrar, S., Vajeeha A., Ain, N and **Riaz, S.** Distribution of CTX-M group I and group III β -lactamases produced by *Escherichia coli* and *Klebsiella pneumoniae* in Lahore, Pakistan. *Microbial Pathogenesis*.103: 8–12.
- Abrar, S., Ain, N., Fatima F., Sajjad H., Hussain S., Saeed M., and **Riaz, S.** Antibacterial activity of lactobacilli against extended spectrum β -lactamase producing isolates from post-operative urinary tract infections in cardiac patients. *International Journal of Current Medical and Pharmaceutical Research*. 3: 2068-2072.
- Saeed, M., Ahmad, M., Iram, M., **Riaz, S.** 2017 GeneXpert technology. A breakthrough for the diagnosis of tuberculous pericarditis and pleuritis in less than 2 hours. Vol. 38 (7): 699-705.
- Ain, N., **Riaz, S.**, Abrar, S., Ahmad, M., Khan, Z., Hafiz, S., Hussain, S., Haider, MH. Horizontal Gene Transfer and Antibacterial Effect of *Allium sativum* (GARLIC) on Methicillin-Resistant *Staphylococcus aureus*. *Annals of PIMS* ISSN:1815-2287. 186-190.
- Mursleen, T., and **Riaz, S.** (2017). Implication of homocysteine in diabetes and impact of folate and vitamin B12 in diabetic population. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 11 November issue Special (2017) S141–S146.
- Rauf, S., **Jamil, N.**, Tariq, S. A., Khan, M., Kausar, M. and Kaya, Y. **2017**, Progress in modification of sunflower oil to expand its industrial value. *J. Sci. Food Agric*,97(7) 1997–2006
- Ali, I., and **N. Jamil. 2017.** Biosynthesis and genetics of polyhydroxyalkanoates by newly isolated *Pseudomonas aeruginosa* IFS and 30N using inexpensive carbon sources. *International Journal of Environmental Science and Technology*: 14(9): 1879–1888.
- Tufail, S., Munir, S., and **Jamil, N. 2017.** Variation analysis of bacterial polyhydroxyalkanoates production using saturated and unsaturated hydrocarbons. *Brazilian Journal of Microbiology*. 48(4) 629-636.
- Khan, N., Batool, R., **Jamil, N.** 2017. Organic anions production by *Bacillus* Sp. To Enhance Maize and Millet Growth. *The Journal Of Animal & Plant Sciences*, 27(6): 2035-2044.
- Hashmi, H.J., Javed, H., **Jamil, N. 2017.** "Letter to editor: Emerging epidemic of drug resistant tuberculosis in vulnerable populations of developing countries." *African Health Sciences* 17.2: 599-602.
- Javed, H., Hashmi, H.J., Tahir, Z., and **Jamil, N. 2017.** Drug resistance pattern and molecular characterization of mycobacterium tuberculosis strains in punjab, pakistan. *Southeast Asian Journal of Tropical Medicine and Public Health* 48(2): 322-330.
- Arshad, A., Ashraf, B., Ali, I., and **Jamil, N. 2017.** Biosynthesis of polyhydroxyalkanoates from styrene by *Enterobacter* spp. isolated from polluted environment. *Frontiers in Biology*: 1-9.
- **Batool, R.**, Ayub, S. and Akbar, I, 2017. Isolation of biosurfactant producing bacteria from petroleum contaminated sites and their characterization. *Soil and Environment*. 36 (1): 35-44.



- **Batool, R.**, Tabassum T. and Ali, A. 2017. Evaluation of Cr (VI) remediation potential of *Eichornia* sp. in conjunction with chromium resistant bacterial strains. Tropical Journal of Pharmaceutical Research. 16 (5): 1005-1011
- Rehbar, S. and **Batool, R.**, 2017. Isolation and characterization of protease producing bacteria from contaminated environment. Rendiconti Lincei. 28(3), 529-534.
- Akram S. **Batool, R.** and Kalsoom, A. 2017. Bioremediation of hexavalent chromium by free and immobilized biomass of chlorella and bacteria. Pakistan Journal of Science. 69(3) 291-297.
- **Batool, R.** Marghoob, U and Kalsoom, A. 2017. Estimation of exopolysaccharides (EPS) producing ability of isolated chromium resistant bacterial strains from tannery effluent. Journal of Basic & Applied Sciences, 13: 589-596.
- Amin, A and **Latif, Z.** (2017). Screening of mercury-resistant and indole-3-acetic acid producing bacterial-consortium for growth promotion of *Cicer arietinum* L. Journal of Basic Microbiology. **57**: 204-217.
- Sarwar, A., **Latif, Z.**, C. Cabaleiro., C.R. Osorio. (2017). First report of *Streptomyces scabies* Causing Potato Common Scab in Punjab, Pakistan. Plant Disease. **101**: 378-385
- Sarwar, A., **Latif, Z.**, C. Cabaleiro (2017). First report of *Streptomyces turgidiscabies* causing potato common scab in Spain. Plant Disease. **101**(9): 1671
- Zaheer, A., **Latif, Z.**, (2017). Metabolic fingerprinting of bacterial strains isolated from northern areas of Pakistan. Pakistan Journal of Botany, **49**(4): 1509-1516
- Amin, A., **Latif, Z.**, (2017). Cloning, expression, isotope labelling, and purification of transmembrane protein MerF from mercury resistant Enterobacter sp. AZ-15 for NMR studies. Frontiers in Microbiology. **8**: 1250.
- Sohail, M., **Latif, Z.**, (2017). Prevalence and antibiogram of Methicillin Resistance *Staphylococcus aureus* (MRSA) isolated from medical device related infections; a retrospective study in Lahore, Pakistan. Revista da Sociedade Brasileira de Medicina Tropical / Journal of the Brazilian Society of Tropical Medicine. **50**: 680-684.
- Khan, Z., **Rehman, A.**, Nisar, M.A., Zafar, S. and Zerr, I., 2017. Biosorption behavior and proteomic analysis of *Escherichia coli* P4 under cadmium stress. Chemosphere, **174**: 136-147.
- Ilyas, S., **Rehman, A.** and Ilyas, Q., 2017. Heavy metals induced oxidative stress in multi-metal tolerant yeast, *Candida* sp. PS33 and its capability to uptake heavy metals from wastewater. Pakistan Journal of Zoology, **49** (3): 269-275.
- **Book / Book Chapters**
 - Muhammad Yasin, Iqra Munir and **Muhammad Faisal**. 2016. Can *Bacillus* spp enhance K⁺ uptake in crops species pp163-170. In: Potassium Solubilizing Microorganisms for Sustainable Agriculture, V.S. Meena *et al.* (eds). Springer 2016. DOI 10.1007/978-81-322-2776-2_12



- Iqra Munir and **Muhammad Faisal**. 2016. Plant Growth Promoting Bacteria: A good source for phytoremediation of metal contaminated soil. In: Phytoremediation. Management of Environmental Contaminants, Volume 4. By AA Ansari, SS Gill, R Gill, GR Lanza, L Newman. Springer ISBN 978-319-41810-0
- Anwar Hussain, Ihsan Ullah, Shahida Hasnain, 2017. Microbial Manipulation of Auxins and Cytokinins in Plants. In: Methods in Molecular Biology, book series (MIMB, volume 1569), pp 61-72.
- Fatima Ameer, Rimsha Munir, and **Nousheen Zehra Zaidi**. "Lipid Metabolism", Invited chapter in: "Encyclopedia of Cancer", 3rd Edition. November, 2017.
- **Conferences, Seminars and Workshops, etc.**
 - **Prof. Dr. Anjum Nasim Sabri** Organized one day symposium on the awareness of diabetes. 14th Nov 2016, At Department of Microbiology and Molecular Genetics, University of the Punjab.
 - **Prof. Dr. Anjum Nasim Sabri** Organized Comprehensive lecture on Smog by Prof. Dr. Razi Abbas Shamsi on 15 Nov, 2016. At At Department of Microbiology and Molecular Genetics, University of the Punjab.
 - **Prof. Dr. Anjum Nasim Sabri** Organized 4th In-Service Faculty Training Program. On Patent System of Pakistan and Patent Filing (Resource Person: Ms. Shakra Khurshid) and Communication Skills (Resource person: Prof. Dr. Hamid Rafiq Khattak). 22-25 Nov, 2016. At Department of Microbiology and Molecular Genetics, University of the Punjab.
 - **Prof. Dr. Anjum Nasim Sabri** Organized a anticorruption week (6th -10th December) as a activity of character building society a) poster competition 10th December, b) Corruption & Its Types speaker Dr Imran Sajid 6th December c) Corruption In Islamic Perspective And Social Life speaker Mr Muhammad Ali (presidentt of youth club, lahore) 7th December d) motivational lecture speaker Mr. Qasim Ali Shah on 8th December. At Department of Microbiology and Molecular Genetics, University of the Punjab.
 - **Prof. Dr. Anjum Nasim Sabri** Attended Training Session on EndNote® for Faculty members. 12 January, 2016, At Department of Microbiology and Molecular Genetics, University of the Punjab
 - **Prof. Dr. Anjum Nasim Sabri** Organized with reference to world cancer day on Monday, 06 February, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab.
 - **Prof. Dr. Anjum Nasim Sabri** Organized Workshop on Eukaryotic Cell Culture, Punjab University, Lahore, 7th Feb, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab.



- **Prof. Dr. Anjum Nasim Sabri** Organized a one day training session on “Basic Statistical Analysis”. 09 February, 2017. in Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Prof. Dr. Anjum Nasim Sabri** Organized workshop on techniques in cancer cell biology. 14th February, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab
- **Prof. Dr. Anjum Nasim Sabri** Microbial Art Competition (Winner of this competition also participated in American society of microbiology (open for all microbiology departments), 14-15 February, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Prof. Dr. Anjum Nasim Sabri** Organized a two day hands on training workshop on ‘Restriction mapping and RFLP: In silico and in vitro’ February 23-24, 2017 At the Department of Microbiology and Molecular Genetics, University of the Punjab
- **Prof. Dr. Anjum Nasim Sabri** Organized ecosystem poster competition, 9th March, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Prof. Dr. Anjum Nasim Sabri** Organized, One-day workshop on “Hemoglobin electrophoresis” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 1st March, 2017
- **Prof. Dr. Anjum Nasim Sabri** Organized, Two-day workshop on “Phage Therapy” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 27-28th March, 2017
- **Prof. Dr. Anjum Nasim Sabri** Organized, One-day workshop on “Immunofluorescent Technique”, 29th March, 2017. At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Prof. Dr. Anjum Nasim Sabri** Organized one day symposium on “Awareness on HIV/AIDS” 30th March, 2017. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, in collaboration with Punjab AIDS Control Program (PACP)
- **Prof. Dr. Anjum Nasim Sabri** Organized, One-day painting activity on Earth Day. 24th April, 2017. At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Prof. Dr. Anjum Nasim Sabri** Organized, One-day painting activity on “World Malaria Day”, 25th April, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Prof. Dr. Anjum Nasim Sabri** Organized: BSL-1 Design, Budget and Working: A Competition for students. April 25, 2017. At Department of Microbiology and Molecular Genetics, University of the Punjab Lahore,
- **Prof. Dr. Anjum Nasim Sabri** Organized, one day seminar and activity on “Women’s Day”, 12th May, 2017. At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.



- **Prof. Dr. Anjum Nasim Sabri** Organized World Tobacco day 9th May, 2017. At department of Microbiology and Molecular Genetics, university of the Punjab, Lahore
- **Prof. Dr. Anjum Nasim Sabri** Organized Two day workshop on hands on microbiology and Biotechnological techniques in collaboration with superior university (ELISA, Biotechnological techniques, PCR, 29-28 July 2017. Department of Microbiology and Molecular Genetics, University of the Punjab
- **Prof. Dr. Anjum Nasim Sabri** Organized Two day workshop PCR, Page, Gel and Blotting (Biotechnological techniques). 17-18August,2017. Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Prof. Dr. Anjum Nasim Sabri** Organized, food week and seminar on “Nutricia”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 13th September, 2017
- **Prof. Dr. Anjum Nasim Sabri** Organized Workshop on Entrepreneurship, use of Business Intelligence for Development at department of Microbiology & Molecular Genetics (MMG), University of the Punjab organized by Office of Research Innovation & Commercialization (ORIC) University of the Punjab on 13th September 2017.
- **Prof. Dr. Anjum Nasim Sabri** Organized, one day symposium on “Awareness on Neurodegenerative Disorders’, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 21st September, 2017
- **Prof. Dr. Anjum Nasim Sabri** Organized, one day seminar on “World Deaf’s Day’, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 26th September, 2017.
- **Prof. Dr. Anjum Nasim Sabri** Organized One day seminar on Peace in collaboration with CEES and IBA. 12th October, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab
- **Prof. Dr. Anjum Nasim Sabri** Organized One day seminar on Molecular mechanisms governing metal transport and its implications for crop improvement (Dr Khurram Bashir) 24th October, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab. Organized One day seminar
- **Prof. Dr. Anjum Nasim Sabri** Organized One day seminar on NAB' anti corruption awareness seminar & meeting with character building society (CBS)of MMG and NAB. 23rd November, 2017. Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Prof. Dr. Anjum Nasim Sabri** Organized one day Bio symposium in the scheduled conference. International conference of ICSSP,2017, December, 11-14, 2017 organized by centre for solid state physics. University of the Punjab.
- **Dr. Sikander Sultan** attended a Comprehensive lecture on Smog by Prof. Dr. Razi Abbas Shamsi organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 15th November 2016.



- **Dr. Sikander Sultan** attended one day Symposium “Awareness on HIV/AIDS” on 30th March, 2017, organized by Punjab AIDS Control Program (PACP) and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Sikander Sultan** attended one day workshop “Countering Violent Extremism Orientation” on 13th September, 2017 organized by University of the Punjab and Center for Health and Gender Equality (CHANGE).
- **Dr. Zakia Latif** attended one day symposium on the awareness of diabetes. 14th Nov 2016, at Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Dr. Zakia Latif** attended international conference on “Significance of potash use in Pakistan agriculture” from 24th to 25th Nov. 2016 organized by Institute of Agricultural Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore.
- **Dr. Zakia Latif** attended first international conference on “Emerging trends in Earth and Environment Sciences (ETEES 2017) organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore, March 09-10, 2017.
- **Dr. Zakia Latif** organized one day Symposium “Awareness on HIV/AIDS” on 30th March, 2017. Organized by Punjab AIDS Control Program (PACP) and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Zakia Latif** organized the event title “BSL-1 Design, Budget and working: A competition” on 25th April, 2017 organized by biosafety and bio-resource committee, Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Zakia Latif** attended one day national agribusiness conference on “Green Punjab and CPEC” on 10th May 2017 at pearl Continental Hotel, Lahore organized by Institute of Agricultural Sciences, university of the Punjab, Lahore.
- **Dr. Zakia Latif** organized one day seminar on “international women’s health day” on 12th May, 2017 at Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Zakia Latif** attended workshop on “Next generation Sequencing (NGS) data analysis” from 21st to 23rd August, 2017 organized by Next Generation Solution (NGS-Pakistan) at the Department of Biosciences, COMSATS Institute of Information Technology, Islamabad.
- **Dr. Zakia Latif** attended one day workshop “Countering Violent Extremism Orientation” on 13th September, 2017 organized by University of the Punjab and Center for Health and Gender Equality (CHANGE).
- **Dr. Nousheen Zehra Zaidi** organized Cell Culture Quiz, Punjab University, Lahore, 2016.
- **Dr. Nousheen Zehra Zaidi** organized Oncology Quiz, Punjab University, Lahore, 2016.
- **Dr. Nousheen Zehra Zaidi** organized Workshop on Craft of Scientific Writing, Punjab University, Lahore, Dec, 2016.
- **Dr. Nousheen Zehra Zaidi** organized Workshop on Methods in Cancer Biology, Punjab University, Lahore, Feb, 2017.



- **Dr. Nousheen Zehra Zaidi** organized Workshop on Eukaryotic Cell Culture, Punjab University, Lahore, Feb, 2017.
- **Dr. Muhammad Faisal** Delivered lecture on “Meeting Journal Requirements” in the workshop Craft of Scientific Writing: A two days intensive workshop on scientific writing and publishing on 6-7th December, 2016 in the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Muhammad Faisal** Attended a preconference workshop on “Teaching strategies and challenges in graduate and post graduate studies in microbiology and allied sciences” in the three days conference “Recent Trends in Microbiology” held in AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Attended a preconference workshop on “How to raise bioethics, biosafety and biosecurity standards in microbiology laboratories across Pakistan” in the three days conference “Recent Trends in Microbiology” held in AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Participated in three days conference “Recent Trends in Microbiology” at Department of Microbiology AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Attended a preconference workshop on “Bacteriophage Isolation and Propagation” in the three days conference “Recent Trends in Microbiology” held in AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Attended a preconference workshop on “Recent trends in Bioinformatics” in the three days conference “Recent Trends in Microbiology” held in AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Attended a preconference workshop on “Scientific Writing: Standards for publications in peer reviewed journals” in the three days conference “Recent Trends in Microbiology” held in AUST, Abbottabad on 19-21 December, 2016.
- **Dr. Muhammad Faisal** Attended and participated in 6th two days summit entitled “Invention to Innovation Summit-2017” as a judge in the University of the Punjab, Lahore, organized by IRP, ORIC, UMT and PSF, on 8-9 March, 2017.
- **Dr. Muhammad Faisal** Attended one day seminar on National IP Strategy on “intellectual property rights” organized by Commerce Division Govt. of Pakistan in collaboration with USAID in the PC Hotel Lahore on 20th March, 2017.
- **Dr. Nazia Jamil** research paper presented 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs 14 - 16 December 2016
- **Dr. Nazia Jamil** research paper presented *Comparative analysis of Potentials of Urban and Desert soil for bio-plastic production*
- **Dr. Nazia Jamil** presented in Emerging trends in Earth and Environmental Sciences (ETEES) held on 9th and 10th March, 2017 at College of Earth and Environmental Sciences (CEES), University of The Punjab, Lahore. Oral presentation Biological analysis of produced water and soil from oil fields of Potwar, Pakistan: An elementary appraisal.



- **Dr. Nazia Jamil** Organized: BSL-1 Design, Budget and Working: A Competition for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, April 25, 2017.
- **Dr. Abdul Rehman** participated as **Invited Speaker** in event entitled "Craft of Scientific Writing-A Two-Day Intensive Workshop on Scientific Writing and Publishing" organized by Biosafety and Bio-resource Committee and Tumor Metabolism Lab, University of the Punjab, Lahore, on December 6-7, 2016.
- **Dr. Abdul Rehman** presented research work in 37th Pakistan Congress of Zoology (International) held at GC University of Faisalabad, Faisalabad, on February 28 to March 1-2, 2017.
- **Dr. Abdul Rehman** presented the research work in 5th International Symposium on Environmental Analytical Chemistry (ISEAC5-Asia) held under the auspices of Ho Chi Minh City University of Technology, May 17-20, 2017.
- **Dr Shafiq ur Rehman** participated in first National conference on "recent trends in Microbiology" organized by Abbottabad University of Science and technology Hawalian on 20-21 Dec 2016.
- **Dr Shafiq ur Rehman** attended one week 4th In-Service Faculty Training Programme at the University of the Punjab, for the core modules: Patent System of Pakistan, Patent filing, and Communication Skills organized by University of the Punjab in collaboration with HEC on 22-25 Nov 2016.
- **Dr Shafiq ur Rehman** organized one day pre conference workshop, "isolation and propagation of bacteriophages" at Abbottabad University of Science and technology Hawalian on 19 Dec 2016.
- **Dr Shafiq ur Rehman** organized two days workshop, "Advances in Phage therapy" at Department of Microbiology, Hazara University, Mansehra in Collaboration with department of Microbiology and Molecular Genetics, University of the Punjab, on 4-5 Apr 2017.
- **Dr Shafiq ur Rehman** organized one day Symposium on, "Awareness on HIV/AIDS" at University of the Punjab, Lahore, Organized by Punjab AIDS control Programme (PACP) and Department of Microbiology and Molecular Genetics, University of the Punjab, on 30 March 2017
- **Dr. Rida Batool** presented research paper in Annual Scientific Conference 2016 at Mohtarma Benazir Bhutto Shaheed University of Health Sciences, Azad Jammu Kashmir in collaboration with University of Health Sciences, Lahore, Pakistan, from May 06-08, 2016 and presented research work.
- **Dr. Rida Batool** presented research paper in 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs at Pearl Continental, Lahore organized by Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS Institute of Information Technology, Lahore, from 14-16th December 2016 and presented research work entitled "*In-vivo* toxicological and antibacterial evaluation of *Rosa damascena* and *Nymphaea alba*".



- **Dr. Rida Batool** presented research paper in DICE Energy & Water 2016 at University of Engineering & Technology Lahore, Pakistan from 19-20th December 2016 and presented research work entitled “Bioremediation of hexavalent chromium from environment”.
- **Dr. Rida Batool** presented research paper in 1st International Conference on Emerging Trends in Earth and Environmental Sciences organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore from March 09-10, 2017 and presented research work entitled “*In vitro* study for the estimation of antibacterial and antioxidant activity of *Nymphaea alba*”
- **Dr. Saira Malik** delivered a lecture on World Tobacco day May, 2017 in department of Microbiology and Molecular Genetics, university of the Punjab, Lahore
- **Dr. Saira Malik** arranged one day lecture on “World deafness day” on 26th August 2017 in department of Microbiology and Molecular Genetics, university of the Punjab, Lahore
- **Dr Mehboob Ahmed** Attended Seminar on World's AIDS Day 2016 organized by Punjab Aids Control Program (1st December 2016)
- **Dr Mehboob Ahmed** Presented in “American Society for Cell Biology Meeting 2016 (ASCB2016)” at San Francisco, USA (03 to 07 December 2016)
- **Dr Mehboob Ahmed** Conducted Training Session on EndNote® for Faculty members in University of the Punjab, Lahore (12 January, 2016)
- **Dr Mehboob Ahmed** Organized a one day training session on “Basic Statistical Analysis” in Department of Microbiology and Molecular Genetics, University of the Punjab. (09 February, 2017)
- **Dr Mehboob Ahmed** Organized a two days' workshop on “Restriction Mapping and RFLP: In-vitro and In-silico” in Department of Microbiology and Molecular Genetics, University of the Punjab. (23-24 February, 2017)
- **Dr Mehboob Ahmed** Organized Symposium on World's AIDS Day 2017 organized by University of the Punjab in collaboration with Punjab Aids Control Program (30 March 2017)
- **Dr Mehboob Ahmed** Organized Symposium on Neurodegenerative disorders (23 September 2017)
- **Dr Samreen Riaz** attended One day Workshop on Dermatology on 27-January Familycon 2017 27th Annual International Conference on Family Medicine at Pearl Continental Hotel Lahore from 27-29th January 2017.
- **Dr Samreen Riaz** attended One day Workshop on Paediatrics on 27-January Familycon 2017 27th Annual International Conference on Family Medicine at Pearl Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** attended One day Workshop on Urology on 27-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017



- **Dr Samreen Riaz** attended One day Workshop on Diabetes and endocrinology on 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** attended One day Workshop on Gynaecology on 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pearl Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** attended and poster presented on Three days Conference 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** Paper presented as an invited speaker and attended on Diabetes and endocrinology on 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** got Best poster Second Prize winner on 28-January Familycon 2017 27th Annual International Conference on Family Medicine at Pear Continental Hotel Lahore from 27-29th January 2017
- **Dr Samreen Riaz** attended Two days International Conference on Biotechnology and Challenges opportunities in Pakistan in University of South Asia Lahore on February 8-9th 2017.
- **Dr Samreen Riaz** Poster Presented in Two days International Conference on Biotechnology and Challenges opportunities in Pakistan in University of South Asia Lahore on February 8-9th 2017.
- **Dr Samreen Riaz** attended Two days 6th Invention to innovation Summit 2017 in the University of the Punjab Lahore on 8-9th March 2017.
- **Dr Samreen Riaz** Poster presented Three days International Conference on Emerging trends in Erath and Environmental Sciences in the CEES College of Erath and Environmental Science, the University of the Punjab Lahore on 8-10th March 2017.
- **Dr Samreen Riaz** presented in the Three days International Conference on Emerging trends in Erath and Environmental Sciences in the CEES College of Erath and Environmental Science, the University of the Punjab Lahore on 8-10th March 2017.
- **Dr Samreen Riaz** attended One day National Conference on Emerging Trends in Diabetes in Services Institute of Medical Sciences, Lahore on 18th March 2017.
- **Dr Samreen Riaz** Presented in the One day National Conference on Emerging Trends in Diabetes in Services Institute of Medical Sciences, Lahore on 18th March 2017
- **Dr Samreen Riaz** Organized, attended and presented posters in the One day National level symposium on awareness on HIV AIDS on 30th March 2017 in the Department of Microbiology and Molecular Genetics University of the Punjab, Lahore and Punjab Aids Group programme Department of Health Pakistan (PACP).
- **Dr Samreen Riaz** got First best poster winner cash award in the One day National level symposium on awareness on HIV AIDS on 30th March 2017 in the Department of Microbiology and Molecular Genetics University of the Punjab, Lahore and .Punjab Aids Group programme Department of Health Pakistan (PACP).



- **Dr Samreen Riaz** organized NUTRICIA event on 13th September 2017 at department of MMG University of the Punjab, Lahore.
- **Dr Samreen Riaz** Presented Poster and participation and organized One day National Symposium on Neurodegenerative disorders on 21st September 2017 at department of MMG University of the Punjab, Lahore.
- **Dr Samreen Riaz** Best first poster award in the One day National Symposium on Neurodegenerative disorders on 21st September 2017 at department of MMG University of the Punjab, Lahore.
- **Dr Shabana** Attended two day training workshop on '2D and 3D Cell Culture' organized by the Department of Microbiology and Molecular Genetics, University of the Punjab on February 9-10, 2016.
- **Dr Shabana** Attended one day training workshop on ENDNOTE organized by the Department of Microbiology and Molecular Genetics, University of the Punjab on January 12, 2016.
- **Dr Shabana** Attended and presented orally on two day 'International Conference on Biotechnology' organized by the University of South Asia, Lahore, Pakistan from 24-25 February, 2016.
- **Dr Shabana** Organized a one day symposium on 'Awareness on HIV/AIDS' by Punjab AIDS control program and the Department of Microbiology and Molecular Genetics, University of the Punjab on March 30, 2017.
- **Dr Shabana** Organized a two day hands on training workshop on 'Restriction mapping and RFLP: *In silico* and *in vitro*' at the Department of Microbiology and Molecular Genetics, University of the Punjab on February 23-24, 2017.
- **Dr Shabana** Organized a one day hands on training workshop on 'Basic Statistical Analysis' at the Department of Microbiology and Molecular Genetics, University of the Punjab on February 09, 2017.
- **Dr Shabana** Attended two days Bioinformatic workshop on Analysis and Annotation of Variants in NGS data organized by Department of Bioinformatics and Computational Biology, Virtual University of Pakistan, January 03-04, 2017.
- **Dr Shabana** gave Oral presentation in 8th National Conference on Emerging Trends in Diabetes 2017 organized by the Department of Endocrinology & Metabolism Services Hospital, Lahore on March 18, 2017.
- **Dr. Numan Javed** delivered Keynote Lecture as Keynote speaker at 3rd International conference on Science, Technology, Management and Humanity (ICSTMH 2017) held at Bangkok, Thailand on 30-31st March, 2017.
- **Dr. Numan Javed** attended Shanghai-Essen Symposium "Pathogens & Immunity", held at Institut Pasteur of Shanghai, Shanghai, China. October 24, 2016.
- **Dr. Numan Javed** attended Consultative workshop for reviewing Master Training Faculty Development Professional Program (MT-FPDP) organized by Learning and Innovation Division, Higher Education Commission (LID-HEC) of Pakistan at HEC regional center Lahore during 16-18th August, 2017.



- **Dr. Numan Javed** attended Workshop on Entrepreneurship, use of Business Intelligence for Development at department of Microbiology & Molecular Genetics (MMG), University of the Punjab organized by Office of Research Innovation & Commercialization (ORIC) University of the Punjab on 13th September 2017.
- **Warda Fatima** organized One Day symposium “Awareness on neurodegenerative disorders” held by Department of Microbiology and Molecular genetics, University of the Punjab on 21st September, 2017
- **Warda Fatima** organized One day event “Nutricia” held by Department of Microbiology and Molecular genetics, University of the Punjab on 13th September 2017
- **Warda Fatima** organized One day symposium “Awareness on HIV/AIDS” held by Department of Microbiology and Molecular genetics, University of the Punjab 30th March 2017
- **Warda Fatima** Participated in UHS first international conference on medical ethics “Ethics in challenging times” University of Health sciences, Lahore 20-21 March 2017
- **Warda Fatima** Participated in 8th National conference on emerging trends in diabetes, Services institute of medical sciences, Lahore 18th March 2017
- **Warda Fatima** Participated in 3 days hands on workshop on Next generation sequencing data analysis, COMSATS institute of information technology, Islamabad 1-3 February 2017
- **Warda Fatima** Participated in training workshop on DNA fingerprinting technique Spoligotyping, Department of pathology, University of Agriculture Faisalabad 11-12 November 2016
- **Warda Fatima** Participated in Dual use research of concern workshop organized by department of Microbiology and Molecular Genetics, Punjab university and health security partners 18th July 2016
- **Dr. Yasir Rehman** served as a Resource person in two-day workshop on “Crafts of Scientific Writing”, 6-7th December, 2016. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
- **Dr. Yasir Rehman** presented talk entitled “Chromium and Arsenic Affects the Genetic Pool of Microorganisms” in 33rd Symposium of Malaysian Society for Microbiology (MSM2016), 14-17 December 2016, Melaka, Malaysia.
- **Dr. Yasir Rehman** organized one day symposium on “Awareness on HIV/AIDS” 30th March, 2017. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, in collaboration with Punjab AIDS Control Program (PACP).
- **Mr. Zeeshan** won the ICSTMH 2017 Travel Grant to Participate as CONFERENCE SECRETARY in 3rd International Conference on Science, Technology, Management and Humanities (ICSTMH 2017) BANGKOK, THAILAND (30th March 2017 – 31st March 2017)
- **Dr. Muhammad Abid Sheikh** Organized symposium on 21-09-2017 at MMG department on the topic of awareness about Neurodegenerative disorders and delivered a lecture on topic "VEGF gene delivery using polymeric nanoparticles provides protection to dopaminergic neurons in vitro and in rat models of Parkinson's disease".



- **Dr. Muhammad Abid Sheikh** Organized seminar at MMG department with reference to world cancer day and delivered a lecture on topic "Polylysine modified polyethylenimine polymer can generate genetically engineered Mesenchymal stem cells for combinational suicidal gene therapy in glioblastoma" on Monday, 06 February, 2017.
 - **Dr. Muhammad Abid Sheikh** Organized one day symposium about awareness on HIV/AIDS on 30 March, 2017 organized by MMG department in collaboration with Punjab AIDS control Program (PACP)
 - **Dr. Yousra Saeed Malik** Organized symposium at MMG department on the topic of awareness about Neurodegenerative disorders on 21st September 2017
- **Research Journals**
- Dr Zakia Latif is member of technical editorial board of journal "Advancement in Life Sciences"
 - Dr. Nageen Hussain is a co-Editor of "International Journal of Health Sciences".
 - Dr. Nageen Hussain is a member of American chemical society.
 - Dr. Nageen Hussain is a member of American Society of Microbiology.
 - Dr. Saba Riaz member of Asian Journal of Medicine and Biomedicine.
 - Dr. Abdul Rehman is working as an Assistant Editor, Pakistan Journal of Zoology.

RESEARCH COLLABORATION

- **Indigenous**
- The University of Lahore (UOL).
 - Dr. Atiqah Ambreen, Department of Microbiology, Gulab Devi Chest Hospital Lahore.
 - Dr. Khalid Mehmood, College of Medicine & Dentistry University of Lahore and Citilab and Research Centre Lahore
 - Dr. Saqib Mahmood, Department of Human Genetics & Molecular Biology, University of Health sciences, Lahore, Pakistan
 - Gulab Devi Chest Hospital Lahore.
 - Citilab and Research Centre Lahore.
 - Allama Iqbal Medical College
 - Plastic Surgery Hospital, Moulana Shaukat Ali Road, Lahore
 - Dr Saadia Shahzad Alam, Shaikh Zayed Hospital diabetic Clinic and FPGMI Lahore
 - Dr Ahmad Naveed Bhatti, Familycon Federation and Lateef Hospital Lahore
 - Dr Nausair A Malik. Diabetic Clinic Health Centre University of the Punjab, Lahore.
 - Dr. Muhammad Shahid Mahmood, Department of Microbiology, University of Agriculture, Faisalabad.
 - Institute of Public Health, HIV Control program, Government of the Punjab Lahore.
 - University of Agriculture Faisalabad
 - Dr Samreen Riaz, Diabetic Clinic Health Centre University of the Punjab, Lahore.
 - Dr Samreen Riaz, Diabetic Clinic Shaikh Zayed Hospital, Lahore.
 - Dr Samreen Riaz, Diabetic Clinic Lateef Hospital Lahore.



- Dr Samreen Riaz, Diabetic Clinic Services Hospital Lahore
- Dr Samreen Riaz, Diabetic Clinic Jinnah Hospital Lahore
- Dr. Rasheeda Imran, Department of Biotechnology, Lahore College for women university, Lahore
- The Lahore University of Management Sciences, Lahore

○ **Foreign Linkages**

- TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
- Prof. Dr Peter Lindblad, Department of Chemistry Angstrom –Microbial Chemistry, Uppsala University, Sweden.
- Dr. Nazia Jamil Developed collaboration for **PHA** research with **Dr. Nehal I. Abu-Lail**, Associate Professor and Associate Director, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, 118 Dana Hall Spokane Street, Pullman, WA 99164-2710, **USA**. Phone: 509-335-4961.
- Dr. Nazia Jamil Developed collaboration for **MDR-TB** research with **Dr Tomasz JAGIELSKI**, Department of Applied Microbiology, Faculty of Biology, University of Warsaw, **Poland**.
- Dr. Yasir Rehman working in collaboration with Dr. Cody S. Sheik, University of Minnesota Duluth, MN, USA.

○ **Funding grants for R&D**

Sr. No.	Name	Grant	Sponsoring Agency
1	Prof. Dr Anjum Nasim Sabri	Rs.250,000	University of the Punjab
2	Prof. Dr. Sikander Sultan	Rs.250,000	University of the Punjab
3	Dr Zakia Latif	Rs.200,000	University of the Punjab
4	Dr Muhammad Faisal	Rs.1,50,000	University of the Punjab
5	Dr Nazia Jamil	Rs.1,50,000	University of the Punjab
6	Dr. Nazia Jamil	Rs 3.4Million	HEC-NRPU
7	Dr Abdul Rehman	Rs.1,50,000	University of the Punjab
8	Dr Abdul Rehman	PKR 1.490 million	PSF
9	Dr. Basharat Ali	Rs.1,50,000	University of the Punjab
10	Dr. Basharat Ali	Rs. 36, 94, 260.	HEC
11	Dr.Imran Sajid	PKR 8.90 million	HEC
12	Dr.Imran Sajid	Rs.1,50,000	University of the Punjab
13	Dr Shafiq-ur Rehman	Rs.1,50,000	University of the Punjab
14	Dr Shafiq-ur Rehman	PKR 0.4998 million	HEC
15	Dr. Zaigham Abbas	Rs.1,50,000	University of the Punjab
16	Dr. Zaigham Abbas	PKR0.49164 million	HEC
17	Dr Rida Batool	PKR 4,363,813	HEC
18	Dr Rida Batool	Rs.1,50,000	University of the Punjab
19	Dr Saba Riaz	Rs.1,50,000	University of the Punjab



20	Dr Saira Malik	Rs.1,50,000	University of the Punjab
21	Dr Samreen Raiz	Rs.1,50,000	University of the Punjab
22	Dr Nageen Hussain	Rs.1,50,000	University of the Punjab
23	Dr Mehboob Ahmed	Rs.60,35,324	HEC
24	Dr Mehboob Ahmed	Rs.1,50,000	University of the Punjab
25	Dr. Numan Javed	500,000	HEC
26	Dr. Numan Javed	150,000	HEC
27	Ms Warda Fatima	Rs.1,25,000	University of the Punjab
28	Ms Shabana	Rs.1,25,000	University of the Punjab
29	Dr Yasir Rehman	Rs.1,50,000	University of the Punjab
30	Mr. Muhammad Zeeshan Akbar	Rs.1,25,000	University of the Punjab
31	Dr. Nousheen Zaidi	Rs.1,50,000	University of the Punjab
32	Ms Ammara Khalid	Rs. 2,50,000	University of the Punjab
33	Dr. Muhammad Abid Sheikh	Rs. 1,50,000	University of the Punjab
34	Dr. Yasir Rehman	Rs. 1,50,000	University of the Punjab
35	Hera Naheed Khan	Rs. 1,50,000	University of the Punjab

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ Publications

- Malik, A., Butt, Z. I., Baig, I. A., Rashid, K., Saeed, N., Adnan, M. A. J. (2016). Higher secondary level student's perceptions about education system of Pakistan. Science International 28(3),2545-2550 (HEC Recognized Journal Y Category) <http://www.sciint.com/> ISSN 1013-5316
- Baig, I. A., Butt, Z. I., Rashid, K., Saeed, N., Adnan, M. A. J., Khalid, N. (2016). Exploring what remains contributive from the head teachers end towards teachers' burn out. Science International 28(4),147-155 (HEC Recognized Journal Y Category) <http://www.sciint.com/> ISSN 1013-5316
- Butt, Z. I., Adnan, M. A. J. (2016). Effect of iron bisglycinate on muscle strength in weightlifting. International Journal of Science Culture and Sport 4(4),422-430 (Impact Factor=0.22) [http:// www.iscsjournal.com/](http://www.iscsjournal.com/) ISSN 2148-1148
- Saeed, N., Butt, Z. I., Rashid, K., Baig, I. A., Adnan, M. A. J., Mansoor, N. (2016). Neoliberalism and sports: Role of universities of Lahore. Science International 28(4),207-211 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316
- Butt, Z. I., Asghar, E., Butt, R. H., Saeed, N., Adnan, M. A. J., Munir, I., Fozia, T. (2016). Special children and sports: Barriers and breakthroughs. Science International 28(4),4249- 4253 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316
- Butt, Z. I., Mughar, A.W., Saeed, N., Adnan, M. A. J., (2016). Sports and Special Well-Being: Perception of Universities' Players. The Spark 1(1), (HEC Recognized Journal)



○ **Conferences, Seminars and Workshops, etc.**

Dr. Muhammad Zafar Iqbal Butt

Sr. No.	Title of Seminar/Conference /workshop	Title of Paper	Place of Workshop	Year
1	4 th International Conference (23-25 November) on Research in Education (ICORE 2016)	Comparative Study of Achievement Motivation Between Pakistani Male and Female University Level Basketball Players	Institute of Education and Research (IER) University of the Punjab, Lahore	2016
2	Sport a Regular Part of the Life Style (1-3 Nov, 2016)	The effects of Aerobic Training on Hemoglobin and Cardiovascular Fitness in 12-16 year Boys	Physical Education College, Assiut University, Sharm El-Sheikh, Egypt	2016
3	1st Euro Pak International Conference	Effect of Cross Fit Exercises On Weigh Loss of Males In Lahore	Sarhad University of Information Technology, Islamabad Campus,	2017
4	4th International Conference on Commutational and Social Sciences (ICCSS- 2017)	A Study of Sexual Harassment Among Elite Sports Women In Pakistan	Pekalongan, Indonesia	2017

DEPARTMENT OF ZOOLOGY

○ **R&D-An Overview**

The Department of Zoology, a discipline of natural sciences, meets the need of trained manpower in a vast basic and interdisciplinary framework concerning animal sciences. The Department has earned international recognition for academic excellence and prominence in various fields of research like Cell biology, Molecular Biology, Physiology, Developmental Biology, Entomology, Microbiology, Palaeontology, Parasitology, Environmental Biotechnology, Toxicology, Clinical Endocrinology, Fisheries etc.

Punjab University Fish Research Farm comprises of an area of 5 acres, including nursery ponds, research ponds and production ponds. Now students are working in various areas of fisheries such as fish disease, fish physiology, fish nutrition etc; taking full benefits of this facility created at Quaid-i-Azam Campus, Lahore. Students from other universities also use the facilities of Fish Research Farm for their studies. In addition to teaching and research some fishes are also available for sale to the faculty and staff members of the Punjab University. Approximately 2500-3000kg fish is annually sold to the employees of Punjab University. In near future the Fish Research Farm will be upgraded.



In view of economic importance of honeybee farming, University of the Punjab has embarked upon research and development activities on honeybee from 2004 onwards. Research work is being carried out for improvement in management techniques, quality queen breeding and control of pests and diseases to increase honey yield of colonies. Further infra-structure is being developed for teaching and research facilities. Beekeeping training programmes and workshops for honeybee management have been organized at the campus for dissemination of technical knowledge among students, farmers, extension workers, officers of alien department and hobbyists. Special emphasis is being given on generating awareness about the crucial factor of bee pollination required for increased productivity of oilseed, vegetable seed, fodder seed crops and fruits in Pakistan.

Most of the research project going on in the department are funded by Higher Education Commission, Pakistan Agriculture Council, Pakistan Science Foundation, University of the Punjab, Lahore and some other funding agencies.

○ **Projects: Completed**

Name of Researcher/ sponsoring Agency	Title of Research Project with duration	Financial Support (million Rupees)
Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore	“Improving selective breeding technique for honey bee queen” Sponsored by University of the Punjab, Lahore	0.20
	Co-Principal Investigator of the Project entitled “Potential of lactic acid bacteria to replace antibiotic for treatment of UTI. Sponsored by Higher Education Commission (2016). Total Grant Amount = 4,10,000/-	0.410
	Co-Principal Investigator of the Project entitled “Determination of digestibility of agro-waste feed stuff in Grass Carp. Sponsored by University of the Punjab, Lahore. Total Amount Granted = 150,000/-	0.15
	Employing chitinolytic bacteria for biological control termites. Pakistan Science Foundation under PAK-US National Science Linkage Programme (NSLP) (2014-16) vide office order No. PSF/NSLP/P-PU (510). Total Amount Granted = 985845/-	0.985
Dr. Zafar Iqbal Associate Professor	A survey of occurrence of fish diseases in some private fish farms in the province of the Punjab	0.20



Dr. Abida Butt Associate Professor	Accumulation of heavy metals along soil-plant-arthropods food chain: A field study	0.20
Dr. Farah Rauf Shakoori Associate Professor	Awarded a research project (Co-Principal Investigator) entitled "Expression Augmentation of Recombinant Human Therapeutic Peptides in Bacillus Expression System" of Rs: 5.88 Million under National Research Programme for Universities by Higher Education Commission (HEC) 2016.	5.88
	Awarded a research project (Principal Investigator) entitled "Characterization of metal resistant microorganisms and their potential use to remove heavy metals from polluted industrial wastewater and understanding their molecular mechanisms involve in cleaning up the polluted environment" of Rs: 4,726,155/- under National Research Programme for Universities by Higher Education Commission (HEC), 2016.	4.72
Dr. Abdul Majid Khan Assistant Professor	"Analysis of the fossil Equidae from the Upper Siwaliks of the northern Punjab, Pakistan" 2016-2017, funded by university of the Punjab, Lahore. 1 year	0.15
Dr. Muhammad Akbar Khan Assistant Professor	2016- HEC funded research project of Rs. 4,123,284/-, entitled, 'The Siwalik Proboscideans from Northern Pakistan'.	4.123
	2016-Punjab University funded research project of Rs. 150,000/- entitled, 'Mammalian Fossil collection from the Potwar Plateau of Pakistan for the Fossil Display Research Centre at the Jhelum Campus, University of the Punjab, Lahore'.	0.15

○ **Newly launched**

Name of Researcher/ sponsoring Agency	Title of Research Project with duration	Financial Support (million Rupees)
Dr. Abdul Majid Khan	"Stable isotopic analysis of late Miocene boselaphines for assessment of dietary behavior".	0.15



Dr. Muhammad Akbar Khan	1. PI titled "The Siwalik Proboscideans from Northern Pakistan", Higher Education Commission, Pakistan.	4.12
	2. Received research grant award from university of the Punjab, Lahore worth Rs-150,000/= for the research project as PI titled "Suidae (Mammalia) from Dhok Pathan Formation of Potwar Plateau, Pakistan", funded by university of the Punjab, Lahore.	0.15
Dr. Chaman Ara	Ameliorative effect of vitamin c on monosodium glutamate induce toxicity in male mice	0.15

○ **Publications**

Prof. Dr. Javed Iqbal Qazi

- Irfan, M., Mushtaq, Q., Tabssum, F., Shakir, H.A. and Qazi, J.I. 2017. Carboxymethyl cellulase production optimization from newly isolated thermophilic *Bacillus subtilis* K-18 for saccharification using response surface methodology. *AMB Express*. DOI 10.1186/s13568-017-0331-3.
- Iqtedar, M., Qazi, J.I., Baqri, N., Mirza, S.S., Abdullah, R., Kaleem, A. and Naz, S. 2017. Bioconversion of agri-industrial feather waste utilizing thermophilic *Bacillus megaterium* D1. *Romanian Biotechnological Letters*. 22(1): 12234-12239.
- Chaudhary, N., Qazi, J.I., Irfan, M. 2017. Isolation and Identification of Cellulolytic and Ethanologenic Bacteria from Soil. *Iran. J. Sci. Technol. Trans. Sci*. DOI 10.1007/s40995-017-0282-1.
- AHMAD, Q.A., YANG, S.T., MANZOOR, M., AND QAZI, J.I. 2017. Moderate alkali-thermophilic ethanogenesis by locally isolated *Bacillus licheniformis* from Pakistan employing sugarcane bagasse: a comparative aspect of aseptic and non-aseptic fermentations. *Biotechnol Biofuels*. **10**:(105). Published online 2017 Apr 24. doi: 10.1186/s13068-017-0785-1.
- Awan, K., Jabeen, F., Manzoor, M. and Qazi, J.I. 2017. Potential of thermophilic amylolytic bacteria for growth in unconventional media: Potato peels. *Journal of Food Process Engineering*. DOI: 10.1111/jfpe.12635.

Prof. Dr. Muhammad Naeem Khan

- Shahzad, K, Khan; M.N., Jabeen ; F., Chaudhry; A.S., & Sohail, M. (2017) Toxicity of titanium dioxide nanoparticles (TiO₂-NPs) to tilapia (*Oreochromis mossambicus*); Tissue accumulation, oxidative stress, histopathology and genotoxicity. *Environmental Monitoring and Assessment* (Under Review)



- Shahzad, K, Khan; M.N., Jabeen; F., Chaudhry; A.S., Kousar, N., Sohail, M. & Ahmad, N. (2017) toxicity of zinc oxide nanoparticles (ZnO-NPs) in tilapia (*Oreochromis mossambicus*): Tissue accumulation, oxidative stress, histopathology and genotoxicity. *Journal of Environmental Science and Technology* (Final Decision Pending).
- Shahzad, K, Khan, M.N., Jabeen, F., Kasour, N., Sohail, M., Khan, M.KA., & Ahmad, M. (2017). Bioaccumulation of manufactured titanium dioxide (TiO₂), copper oxide (CuO) and zinc oxides (ZnO) nanoparticles in the soft tissues of tilapia (*Oreochromis mossambicus*). *Punjab University Journal of Zoology*, 32(2).
- Sohail, M., Khan, M.N., Qureshi, N.A. & Chaudhry, A.S. (2017). Monitoring DNA Damage in Gills of Freshwater Mussels (*Anodonta anatina*) Exposed to Heavy Metals. *Pakistan Journal of Zoology*, 49(1). 305-311.

Dr. Zafar Iqbal

- Haji Muhammad, Zafar Iqbal and Saira Saleemi 2017, Diversity and Distribution of Fish Fauna of Indus River at Taunsa Barrage in Punjab, Pakistan. *Pakistan J. Zoology*, 49(1):0.491
- Haji Muhammad, Zafar Iqbal, Qamar Bashir, M. Amir Hanif 2017, Length-Weight relationship and condition factor of catfish species from Indus River, Pakistan. *Punjab University J. Zoology*, 32(1):
- Zafar Iqbal 2017 A review of fisheries education in University of the Punjab, Lahore Pakistan, *Punjab, University Journal of Zoology Vol 32(2)*

Dr. Nabila Roohi

- Muhammad Anwar Iqbal, Ali Hussain, Nabila Roohi, Muhammad Irshad Arshad and Omaima Khan, 2017. Effects of mannan- oligosaccharides-supplemented diets on production performance of four close-bred flocks of Japanese quail breeders. *South African Journal of Animal Science*, 47(3): 290–297. DOI 10.4314/sajas.v47i3.5. Impact factor: 0.678
- Muhammad Anwar Iqbal, Ali Hussain, Nabila Roohi, Muhammad Irshad Arshad, Omaima Khan and Qazi Adnan Ahmad, 2017. Effects of mannan-oligosaccharides' supplementation on hatching characteristics of four close-bred flocks of Japanese quail breeders. *South African Journal of Animal Science*, 47(5): 672–678. DOI 10.4314/sajas.v47i3.5. Impact factor: 0.678
- Tahira Batool, Nabila Roohi, Ayesha Roohi and Mahmud A, 2017. Impact of different dietary lysine regimens on blood biochemical profile and immune response in indigenous Aseel varieties. *Pak Vet J*, 37(4): 393-398. Impact factor: 0.813
- Tahira Batool, Nabila Roohi and Mahmud A, 2017. Subsequent effects of various dietary lysine regimens on production performance, egg persistency and economics of indigenous Aseel varieties. *The J Anim Plant Sci*, 27(6): 1-12. Impact factor: 0.381

Dr. Farah Rauf Shakoori

- Hafiz, A., Riaz, T. and Shakoori, F. R., 2017. Metabolic profile of a stored grain pest *Trogoderma granarium* exposed to deltamethrin. *Pakistan J. Zool.*, 49(1): 183-188



- Riaz, T., Shakoori, F. R., Shakoori, A. R. and Ali, S. S., 2017. Effect of phosphine on larvae and adult beetles of phosphine-exposed populations of stored grain pest, *Trogoderma granarium* collected from different godowns of Punjab. *Pakistan J. Zool.*, 49(3):819-824
- Tasneem, F., Shakoori, F. R. and Shakoori, A. R., 2017. Phylogenetic relationship of locally isolated *Paramecium* species inferred from Histone H4 genes. *Pakistan J. Zool.*,

Dr. Zulfiqar Ali

- Morphological differentiation in two closely-related Moustailed bat species (Chiroptera: rhinopomatidae) captured from Malakand division, Khyber Pakhtunkhwa, Pakistan, *The Journal of Animal & Plant Sciences*, 27(1):0.422
- Spatial and temporal variations in indoor air quality in Lahore, Pakistan IAQHAC 2017–Workshop on Indoor Air, Quality in Hot Arid Climate, Kuwait,
- Improving Higher Education and Student Equity in Pakistan: The role of partnerships. World Congress on Education WCE-2017, Global Issues In Education and Research Proceedings, Dublin, Ireland

Dr. Nadeem Sheikh

- Khawar M.B. and Sheikh N. 2017. Alterations in transaminases activity and serum level of leptin and hepcidin induced by high fat diet in albino rats. *Journal of Biological Regulators & Homeostatic Agents*. Accepted September 7, 2017
- Akhtar T., SHEIKH N., Shan T. and. Ghazanfar R.. Tacrolimus induced nephrotoxicity and pulmonary toxicity in Wistar rats. *Journal of Biological Regulators & Homeostatic Agents*. Accepted No.v, 06 22, 2017
- Abbasi M.H., Fatima S., Khawar M.B., Naz N., Mujeeb K.A. Akhtar T. and SHEIKH N. 2017. Dose dependent Acute Phase Response (APR) of aqueous leaves decoction of *Nerium oleander* in wistar rats. *Journal of Biological Regulators & Homeostatic Agents*. Accepted May 22, 2017
- Zafar S., Younas N., SHEIKH N., Tahir W., Shafiq M., Schmitz M., Ferrer I., Andréoletti O. and Zerr I. 2017, Cytoskeleton associated risk modifiers involved 1 in early and rapid progression 2 of sporadic Creutzfeldt-Jakob disease. *Molecular Neurobiology*. doi: 10.1007/s12035-017-0589-0. Jun 1, 2017.
- Khawar M.B., Mukhtar M., Abbasi M.H. and SHEIKH N. 2017, IL-32 θ : a recently identified anti-inflammatory variant of IL-32 and its preventive role in various disorders and tumor suppressor activity. *Am J Transl Res* 2017;9(5):XXX-XXX www.ajtr.org /ISSN:1943-8141/AJTR0052282 May 30, 2017
- Fatima N, Akhtar T, SHEIKH N 2017, Prebiotics: A Novel Approach to Treat Hepatocellular Carcinoma. *Can J Gastroenterol Hepatol*. 2017: 6238106. doi: 10.1155/2017/6238106. Epub May 10, 2017
- SHEIKH N., Farrukh A and Abbas A.S. (2017) Hepatic iron regulatory gene expression influenced due to disturbed essential trace elements level. *The Japs*, 27(3): 1024-1030. May 05, 2017.



- Asghar A. and SHEIKH N. 2017 Role of immune cells in obesity induced low grade inflammation and insulin resistance. Cellular Immunology. 315,18-26 S0008-8749(17)30034-5.<http://dx.doi.org/10.1016/j.cellimm.2017.03.001> March 07, 2017

Dr. Najma Shaheen

- Arshad N., Mehreen A., Liaqat I., Arshad M. and Afrasiab H. 2017. In vivo screening and evaluation of fourherbs against MRSA infections. BMC Complement Altern Med.17:498DOI 10.1186/s12906-017-2001-z
- Liaqat I, Arshad N., Arshad M., Mirza S.A and AliN.M and Shoukat A. 2017. Antimicrobial activity of some medicinal plants extracts against food industry isolates. Pakistan J. Zool. 49: 523-530.
- Shehzadi N., HussainK, SalmanM.,ArshadN and KhanM.T. 2017. Amikacin sulphate and corticosteroid admixtures: a medication misadventure. Lat. Am. J. Pharm. 36: 882-90 (2017)
- Tahir H.M., ShaishtaQamar S., Sattar A., Shaheen N and Samiullah K. 2017. Evidence for the antimicrobial potential of silk of *Cyclosa confragosa*(Thorell, 1892) (Araneae: Araneidae). Acta zool. bulg., 69: 593-595
- Rani A., Nawaz S.K., Irfan S., Arshad M., Bashir R. andShaheen N. 2017. Role of MyD88-adaptor-like gene polymorphism rs8177374 in modulation of malaria severity in the Pakistani population. Braz J Infect Dis: 2 1:418–423.
- Arshad N., Nawaz S.K., Iqbal R., Arshad M., Musheer F., Naz A., Mushtaq I and Jaleel S. 2017. Association between Genetic Polymorphism and Risk of vonWillebrand Disease in Pakistan. BioMed Res. Int. Article ID 1070471

Dr. Ayesha Aihetasham

- BODLAH, I., BODLAH, M.A., RASHEED, M.T. AKHTER, T., AIHETASHAM, A. AND YOUSAF, M., 2017. New dirtibutional records of Pysllid, *Trioza Feletecheri* Minor Crawford, 1912 and records of its first association with two ants's species in Pothwar. Asian J. Agri & Biol., 5(1):1-6.
- DIN, M.I., ARSHAD, F., RANI, A., AIHETASHAM, A., MUKHTAR, M. AND MEHMOOD, H.A., 2017. Single step green synthesis of stable copper oxide nanoparticles as efficient photo catalyst material. J. Optoelectronics and Biomedical Materials. 9(1): 41-48.
- MAHMOOD, T., AKRIM, F., IRSHAD, N., HUSSAIN, R., FATIMA, H., ANDLEEB, S. AND AIHETASHAM, A., 2017. Distribution and illegal killing of the endangered Indian pangolin *Manis crassicaudata* on the Potohar Plateau, Pakistan. Oryx, 1-6.
- RASIB, K.Z., HIDAYAT, W. AND AIHETASHAM, A., 2017. Feeding preferences and control of a Pakistani termite *Odontotermes obesus* (Rambur)(Isoptera: Rhinotermitidae) Annual Research & Review in Biology, 18(5): 1-13.
- IQBAL, Z., NASIR, M.F., BODLAH, I., QURESHI, R. AND AIHETASHAM, A.,2017 . Notes on three morphs of *Bulaea lichatschovii* (Hummel) (Coleoptera: Coccinellidae) from Northern Pakistan. PunjabUniv. J. Zool., 32(2): 203 -208 .



- AIHETASHAM, A., RASIB, K.Z., HASAN, S.R. AND BODLAH, I., 2017. Effect of *Carica papaya*, *Helianthus annuus* and *Bougainvillea glabra* aqueous extracts against termite *Heterotermes indicola* (Isoptera: Rhinotermitidae). Punjab Univ. J. Zool., 32(1):51-56.
- AIHETASHAM, A., AKHTAR, M.S., UMER, M., RASIB, K.Z. AND DIN, M.I., 2017. Bioactivity of extracts of *Foeniculum vulgare* and *Ocimum basilicum* against *Heterotermes indicola* (Wasmann). Pakistan J. Zool., 49(6):2193-2199.
- HASSAN, M.A., BODLAH, I. AND AIHETASHAM, A., 2017. First record of the oriental species, *Saltella setigera* Brunetti, 1909 (Diptera: Sepsidae) from Pakistan. Punjab Univ. J. Zool., 32(2): 225-22

Dr. Abdul Majid Khan

- Rana Manzoor Ahmad, Abdul Majid Khan, Ghazala Roohi and Muhammad Akhtar (2017). Enamel Hypoplasia Analysis in Giraffids to Compare Stress Episodes in Geological History of the Siwaliks of Pakistan. Pakistan Journal of Zoology, 50 (1):00-00.(Impact Factor 0.404).
- Abdul Ghaffar, Muhammad Khaled Siddiq, Muhammad Akhtar, Muhammad Akbar Khan, Abdul Majid Khan, Muhammad Irfan Azeem, 2017. Antler remains (Cervidae, Artiodactyla, Mammalia) from a new locality in the Pinjor Formation (1.6-0.8 ma), Pakistan. Rev. bras. paleontol. 20(1):23-30.

Dr. Muhammad Akbar Khan

- Akbar Khan, M. and Flynn, L.J., 2017. New small mammals from the Hasnot–Tatrot area of the Potwar Plateau, northern Pakistan. Palaontologische Gesellschaft, 91: 589-599.
- Abbas, S. G., Babar, M. A., Akbar Khan, M., Aftab, K., Riaz, A., Ghaffar, A. and Akhtar, M., 2017. Fossil Bovidae from the Late Miocene Dhok Pathan Formation of Siwaliks, northern Pakistan. Pakistan J. Zool., (press).
- Siddiq, M. K., Riaz, A., Akbar Khan, M., Babar, M. A., Mahmood, K. and Akhtar, M., 2017. Fossils of Boselaphus (Bovini: Bovidae: Ruminantia) from Sardhok Pleistocene of Pakistan. Pakistan J. Zool. (press).
- Hanif, M., Rana, N., Akbar Khan, M., Javed, M. and Khan M. S., 2017. New Hipparionine (Perissodactyla) Fossils from Potwar Plateau of Pakistan. Pakistan J. Zool., 49(5): 1693-1700.
- Akbar Khan, M., Abbas, S. G., Babar, M. A., Kiran, S., Riaz, A., Akhtar, M., 2017. Dorcatherium (Mammalia, Tragulidae) from Lower Siwaliks of Dhok Bun Amir Khatoon, Punjab, Pakistan. Pakistan J. Zool., 49(3): 883-888.
- Ghaffar, A., Siddiq, M. K., Akhtar, M., Akbar Khan, M., Khan, A. M., Azeem, M. I., 2017. Antler remains (Cervidae, Artiodactyla, Mammalia) from a new locality in the Pinjor Formation (1.6-0.8 Ma), Pakistan. Revista Brasileira de Paleontologia, 20(1): 23-30.
- Zaheer, M., Mahmood, K., Babar, M.A. and Akbar Khan M., 2017. New Fossils of Bovids (Bovidae, Mammalia) from Dhok Pathan Formation of Siwaliks. Biologia (Pakistan): 63(2): 199-204.



- Ikram, T., Safdar, F., Babar, M.A., Asim, M., Mahmood, K. and Akbar Khan, M., 2017. Fossil molars of Pachyportax (Boselaphini, Bovidae) from Middle Siwalik Subgroup of Pakistan. *Biologia (Pakistan)*: 63(2): 147-150.

Dr. Chaman Ara

- B. Zahid^{1*}, A. Aslam², Habib-ur-Rehman³, J. I. Qazi¹, N. Ahmad⁴, Chaman Ara¹, R. Akhtar², U. Bach Pathogenicity and Immunosuppressive effect of different vaccines of infectious bursal disease virus, *The Journal Of Animal And Plant Sciences*, 27 0.422
- Madeeha Arshad, Asmatullah, Chaman Ara, 2017, Embryotoxic effects of sodium arsenate in Mus Musculus Punjab Univ. J. Zool. Vol. 32 (2).

Dr. Hafiz Abdullah Shakir

- ANJUM, A., IRFAN, M., TABBSUM, F., SHAKIR, H.A. AND QAZI, J.I., 2017. Optimization of sulphuric acid pre-treatment of Acacia saw dust through box-bhenken design for cellulase production by *B. Subtilis*. *Adv. Life Sci.* 5(1): 19 -24
- GHANZANFAR, M., IRFAN, M., TABSSUM, F. AND SHAKIR, H.A., 2017. Effect of different pretreatment conditions on *Saccharum spontaneum* for cellulase production by *B. subtilis* K-18 through Box-Bhenken Design. *Iran. J. Sci. Technol. Trans Sci.*, <https://doi.org/10.1007/s40995-017-0463-y>(01
- ARSHAD, M., IRFAN, M., ASAD-UR-REHMAN, NADEEM, M., HUMA, Z., SHAKIR, H.A. AND SYED, Q., 2017. Optimization of medium substrate for CMCase production by *Bacillus subtilis*-BS06 in submerged fermentation and its application in saccharification. *Punjab Univ. J. Zool.*, 32(2): 179-188.
- KIRAN, R., RIAZ, A., IRFAN, M. AND SHAKIR, H.A., 2017. An overview of pre-treatment methods used for bioconversion of lignocellulosic biomasses into valuable products. *Punjab Univ. J. Zool.*, 32(2): 283-294.
- ABIDI, A.S.Z., SHAKIR, H.A., ALI, S.S. AND QAZI, J.I., 2017. Preliminary screening of some plants of Punjab, Pakistan for Phytochemicals. *Biologia (Pakistan)*. 63(2): 179-191.
- ARSHAD, F., IRFAN, M., SHAKIR, H.A., TABBSUM, F. AND QAZI, J.I., 2017. Optimization of dilute sulphuric acid pretreatment of peanut shells through Box- Bhenken design for cellulase production by *Bacillus subtilis* K-18. *Punjab Univ. J. Zool.*, 32(1): 81-90.
- IRFAN, M., MUSHTAQ, Q., TABSSUM, F., SHAKIR, H.A. AND QAZI, J.A., 2017. Carboxymethyl cellulose production optimization from newly isolated thermophilic *Bacillus subtilis* K-18 for saccharification using response surface methodology. *AMB Expr.*, 7: 29 DOI 10.1186/s13568-017-0331-3
- AROOJ, A., IRFAN, M., TABSSUM, F., SHAKIR, H.A., QAZI, J.I., 2017. Effect of dilute sulphuric acid pretreatment on cellulose production by *Bacillus subtilis* (K-18) through response surface methodology. *Proceedings of the Pakistan Academy of Science: B. Life and Environmental Sciences*, 54(1): 11-20.
- TABASSUM, F., IRFAN, M., SHAKIR, H.A., QAZI, J.I., 2017. Statistical optimization for deconstruction of Poplar substrate by dilute sulphuric acid for bioethanol production. *Green Chemistry Letters and Reviews*, 10(2): 69-79.



- IQBAL, S., IRFAN, M., SHAKIR, H.A., TABBSUM, F. AND QAZI, J.I., 2017. Effect of alkali treatment (NaOH) of eucalyptus leaves for hypercellulase production by *Bacillus subtilis* through submerge fermentation. *Punjab Univ. J. Zool.*, 32(1): 25-34
- KHALID, S., IRFAN, M., SHAKIR, H.A. AND QAZI, J.I., 2017. Endoglucanase producing potential of *Bacillus* species isolated from the gut of *Labeo rohita*. *Journal of Marine Science & Technology*, 25(5): 581-587

○ **Conferences, Seminars and Workshops, etc.**

Prof. Dr. Javed Iqbal Qazi

- Attended Iqbal Memorial Lecture on “Need to re-read Iqbal and beyond” at Al-Razi Hall, Center for Undergraduate Studies, University of the Punjab, Lahore, on 26th April 2017.
- Organizer 13th National Honeybee Farming and Management Training Workshop at Department of Zoology, University of the Punjab, Lahore on March 13-17, 2017.
- Acted as Chairman 37th Pakistan Congress of Zoology (International), Organized by Government College University, Faisalabad on February 28 – March 2, 2017.
- Acted as Co-chairman during academic session 37th Pakistan Congress of Zoology (International) Organized by Government College University, Faisalabad on February 28 – March 2, 2017.
- Actively participated and made oral presentation in the 37th Pakistan Congress of Zoology (International) Organized by Government College University, Faisalabad on February 28 – March 2, 2017.
- Participated in 6th International Fisheries Symposium & Expo-2017 entitled “Innovative and Sustainable Aquaculture for Blue Revolution” 8-9th February, 2017 at Faletti’s Hotel, Egerton Road, Lahore.
- Organized one day workshop on “Hands on Practice of Basic Molecular techniques” at Department of Zoology, University of the Punjab, Lahore on February 11, 2017.
- Participated in the workshop “World Quality Day” on February 08, 2017 organized by Quality Enhancement Cell, University of the Punjab Lahore.
- Organizer the event titled: BSL1 Design, Budget and Working: A Competition Organized by Biosafety and Bio-resource Committee, University of the Punjab, on 25th April, 2017.
- Attended Iqbal Memorial Lecture on the topic of “Need To Re-Read Iqbal and Beyond” on Wednesday 26th April 2017 at Al-Razi Hall, Center for Undergraduate Studies, University of the Punjab, Lahore.
- Organized National Symposium on “Personalized Medicine: Detection, Diagnosis and Treatment” 25th May 2017 at Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore.

Prof. Dr. Muhammad Naeem Khan

- Western division, American Fisheries Society, WDAFS Annual conference, Missoula, Montana, USA, May 22-26, 2017.



- Green Punjab and CPEC-One Day National Agribusiness Conference, Institute of Agriculture Sciences, PU/ Pearl continental Hotel, Lahore, May 10, 2017.
- National Workshop on Recombinant DNA Technology, School of Biological Sciences (SBS), PU, April 03-08, 2017.
- Psychology for Change: Women and Community-One Day Symposium on International Women's day, Institute of Applied Psychology, Al.Raazi Hall, PU, March 21, 2017.
- 6th International Fisheries Symposium and Expo-17-Innovation and Sustainable Aquaculture for Blue Revolution, University of Veterinary & Animal Sciences (UVAS) / Faletti's Hotel, Lahore, February 8-9, 2017.

Dr. Farah Rauf Shakoori

- 37th Pakistan Congress of Zoology (International) held under the auspices of the Zoological Society of Pakistan at, Government College University Faisal Abad, Faisal Abad Feb 28 – March 2nd (2017) and Chaired Cell Biology, Molecular Biology, Genetic, Physiology Session.
- Attended "International conference on China – Pakistan Economic Corridor Political, Economic and Social Perspectives" Organised by Department of History and Pakistan Studies University of the Punjab Lahore. 11th September – 13th September 2017.
- Attended "International conference on New Trends In Natural Sciences: From Basics to Applied" Jointly organised by Department of Biotechnology and Department of Zoology, Lahore, College Women University Lahore. 25th October – 27th October (2017) and Co-Chaired Session.
- Attended "2nd International Conference on Innovative Biological and Public Health Research" (IBPHR-2017) organized by Department of Zoology, GC University, Lahore
- International Seminar on "Fisheries and Aquaculture" organized by Department of Zoology GC University, Lahore and Department of Fisheries Punjab on Feb 10, 2017
- Seminar on "World Quality Day" Organized by Quality Enhancement Cell, Punjab University New Campus Lahore. February 8, 2017.
- Workshop attended (Inaugural session) 13th National Honey bee Farming and Management Training Workshop. March 13-17 2017. Department of Zoology, University of the Punjab, Lahore.
- Seminar on Celebration of World Quality Day on 14th November, 2017, organized by Quality Enhancement cell in collaboration with Institute of Quality and Technology Mangement, university of the Punjab Lahore.
- Organized a workshop on "All about Assessment in Higher Education" as a Resource person on April 17-18, 2009 Department of Zoology/QEC, GC University, Lahore.
- Organized a workshop on "Hands on Practice of Basic Molecular Techniques" as a Resource person on February 11th, 2017 Department of Zoology, University, of the Punjab Lahore.
- Organized a workshop on "Hands on Practice of Basic Microbiological Techniques" on February 18th, 2017 Department of Zoology, University, of the Punjab Lahore.



- Organized 2nd one day workshop on “Hands on Practice of Basic Molecular Techniques” as a Resource person on March 4, 2017 Department of Zoology, University, of the Punjab Lahore
- Organized 2nd Training workshop on “Hands on Practice of Basic Lab. Instruments” on April 1st, 2017 Department of Zoology, University, of the Punjab Lahore.
- Organized a Seminar on “Science: Dry Wet and Moist” April 6th, 2017 Department of Zoology, University, of the Punjab Lahore.
- Organized 2 days Workshop on “Patent Filing and Intellectual Property System of Pakistan” under ORIC, University of the Punjab. 17th -18th May, 2017.
- Organized one day workshop on “Entrepreneurship, Use of Business Intelligence for Development” under ORIC, University of the Punjab. 13th Sep, 2017

Dr. Abdul Majid Khan

- Attended International conference PALAEO DOWN UNDER-2 held at Adelaide, Australia, from 11-15 July, 2016 and made oral presentation.
- delivered lecture as invited speaker in 3rd Palaeontology Seminar organized by Government college university Faisalabad.
- Published abstracts in conference organized by Nepal Geological Society

Dr. Muhammad Akbar Khan

- Khan, M. A., 2016. Tragulids (Artiodactyla, Ruminantia, Tragulidae) from the Siwaliks of Pakistan. Palaeo Down Under 2 Adelaide, 11-15 July 2016. The Geological Society of Australia.

Dr. Chaman Ara

Attended Honey Bee Workshop at Department of Zoology, University of the Punjab, Lahore.

○ **Research Journals**

Prof. Dr. Javed Iqbal Qazi

- Editor, Punjab University Journal of Zoology
- Member, Advisory Board, Pakistan Journal of Zoology.
- Member, Editorial Board, Pakistan Journal of Molecular Medicine

Dr. Zafar Iqbal

Associate Editor, Punjab University Journal of Zoology

RESEARCH COLLABORATION

○ **Indigenous**

Prof. Dr. Javed Iqbal Qazi

- PCSIR Laboratories Lahore
- Punjab Fisheries and Wild Life Department Lahore

Dr. Zafar Iqbal

- Collaboration with School of Biological Sciences University of the Punjab Lahore.
- Collaboration with Government College University Lahore.



Dr. Nabila Roohi

- Collaboration with School of Biological Sciences University of the Punjab Lahore.
- Collaboration with Government College University Lahore.

Dr. Zulfiqar Ali

- Collaboration with Microbiology and Molecular Genetics PU Lahore
- Institute of Chemistry Lahore
- Lahore Zoo

Dr. Abdul Majid Khan

- Bio-resource Research Centre Islamabad
- Punjab Fisheries Department Lahore

○ **Foreign Linkages**

- Dr. Najma Shaheen
- Dr Muhammad Iqbal, Director Foot and Mouth Research Centre, Ghazi Road, Lahore

Dr. Nadeem Sheikh

- Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany

○ **Funding grants for R&D**

Dr. Nadeem Sheikh

- Local Coordinator in Pakistan for EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany
- Local Coordinator in Pakistan for EXPERTS III, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.

Dr. Muhammad Akbar Khan

- Dr. George Iliopoulos (University of Patras, Greece) for 'Erasmus + International Credit Mobility KA 107'.
- Dr. Lawrence John Flynn (Peabody Museum of Archaeology and Ethnology. Harvard University, Cambridge, MA 02138, USA).
- Dr. Abdul Ghaffar (Department of Meteorology, COMSATS Institute of Information Technology, Islamabad, Pakistan.
- Dr. Zaheer Ahmad (Department of Zoology, GC University Faisalabad, Pakistan).
- Dr. Arifa Batool (Wildlife & Fisheries and Zoology Department, GC University Faisalabad).

INSTITUTE OF AGRICULTURAL SCIENCES

○ **R&D – An Overview**

Institute of Agricultural Sciences has a strong scientific force in the field that is focusing on Research and Development in Agriculture. The Institute got a US patent for Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. Research on producing virus resistant cotton plants is



moving to next step of commercialization. First Fungal Culture bank of Pakistan that is working under Institute of Agricultural Sciences; Punjab University is providing bacterial and fungal cultures for research purposes on demand at nominal charges. They are also offering facilities regarding identification of any microbial culture. Herbal Heritage Garden is working on pilot scale production of plant essential oils and Aleo Vera gel, juices and food items. Using effluent of pulp and paper industry, 11 fungal species were tested for laccase production. Among these *Ganoderma lucidum* most efficiently produced this commercially important enzyme with a molecular weight of 68 KDa. In the next step we are looking forward for the enzyme production at lab scale. Now the institute has started working on application of nanotechnology in agriculture. Multi-institutional research has been started to work on green synthesis of nanoparticles and their use in plant disease management.

○ **Projects: Completed**

- *Dr. M. Saleem Haider, Professor & Director*
 - 2016-17: As Co-Principal Investigator entitled “The studies to control Jassid (*Amrsca* spp.) on the Brinjal (*Solanum melongena* L.) through bio-pesticides and habitat management in Lahore Division” of Rs.0.50 million by Higher Education Commission, Islamabad.
 - 2016-17: As Principal Investigator entitled “Biochemical remodulation mechanisms underlying effects of chickpea chlorotic dwarf virus on tomato plant that mediate transmission by leafhopper vectors” of Rs.0.250 Million by University of the Punjab, Lahore.
- *Dr. Tehmina Anjum, Assistant Professor*
2016-17: Principal investigator in one year (2015-2016) project entitled “Exogenous application of phytohormones to suppress Fusarium wilt of tomato”. Funded by University of the Punjab. Grant = 1,50,000/Rs by PU.
- *Dr. Amna Shoaib, Assistant Professor*
2016-2017: Worked as Principal investigator in the project entitled Induction of resistance and management of cowpea *Macrophomina phaseolina* Charcoal rot disease by biocontrol agents. Support of Academic Research, Punjab University, Pakistan. Grant = 1,50,000/Rs by PU
- *Dr. Uzma Bashir, Assistant Professor*
2016-2017. Herbicidal activity of fungal metabolites against parthenium weed. Funded by academic research, University of the Punjab, Lahore
- *Dr. Shazia Shafique, Assistant Professor*
“Control of a foliar pathogen of tomato by using a combination of synthetic resistance elicitors”. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan, 2016.
- *Dr. Muhammad Ashfaq, Assistant Professor*
Assessment of post-harvest quality in broccoli by silencing ethylene triple response factor (ETR) using floret specific promoter (Rs: 150000) 2016-17.



- *Dr. Shahbaz Ahmad, Assistant Professor*
DNA Barcoding and Management of *Chilo partellus* (Pyralida, Lepidoptera) by using sustainable approaches, Institute of Agricultural Sciences (IAGS) University of the Punjab, Lahore 2016-17.
- *Dr. Naureen Akhtar, Assistant Professor*
Principle Investigator “Isolation and characterization of leaf spot causing fungal pathogens” Awarded by University of the Punjab in 2017
- *Dr. Sobiya Shafique, Assistant Professor*
“Screening of native PGPR strain capable to biocontrol white rot of *Pisum sativum*”. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan, 2016.
- *Dr. Zaheer Hussain, Assistant Professor*
2016-17: Development of 16s ribosomal RNA based molecular method for detection of food borne pathogens Awarded by University of the Punjab.
- **Newly launched**
Dr. M. Saleem Haider, Professor & Director
2016-17: Functional characterization of Mastrevirus promoter – An alternative of CaMV 35S Promoter of Rs.0.250 million by University of the Punjab, Lahore.
- *Dr. Tehmina Anjum, Assistant Professor*
Principal investigator in one year (2017-2018) project entitled: Exogenous application of phytohormones to suppress Fusarium wilt of tomato. Funded by University of the Punjab. Grant = 1,50,000/Rs by PU.
- *Dr. Amna Shoaib, Assistant Professor*
2017-2018: Worked as Principal investigator in the project entitled Antioxidant enzymes changes in onion due to effect of basal rots disease under salt stress. Support of Academic Research, Punjab University, Pakistan. Grant = 1,50,000/Rs by PU
- *Dr. Uzma Bashir, Assistant Professor*
2017-2018. In vitro Use of Antifungal potential of *Alstonia scholaris* for the management of *Sclerotium rolfsii*. Funded by academic research, University of the Punjab, Lahore
- *Dr. Shazia Shafique, Assistant Professor*
Antagonistic potential of Trichoderma secondary metabolites against *Alternaria alternata*. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan, 2017.
- *Dr. Muhammad Ashfaq, Assistant Professor*
Morphological and pathogenic characterization of discolored resistant rice (Rs: 150000) 2017-18.
- *Dr. Rashid Mahmood, Assistant Professor*
Influence of various fertilizer-coating materials on hydrolysis of urea in soil. Awarded by University of the Punjab.



- *Dr. Muhammad Nasir Subhani, Assistant Professor*
Morphological and molecular identification of postharvest diseases of apple in Pakistan during 2017-18
- *Dr. Naureen Akhtar, Assistant Professor*
Principle Investigator “Biological control of Seed-borne fungi using extracts of common herbs Plant” Awarded by University of the Punjab in 2017
- *Dr. Muhammad Shafiq, Assistant Professor*
Establishment of Development of novel genomic approaches for citrus DNA barcoding. Awarded by University of the Punjab.
- *Dr. Sajid Ali, Assistant Professor*
A survey of knowledge, attitude and practices (KAP) of farmers related to weeds and their management. PKR 150,000. Funded by University of the Punjab, Lahore.
- *Dr. Adnan Akhtar, Assistant Professor*
 - Biochar and selected rhizobacterial strains mediated systemic resistance against Fusarium wilt of tomato. Awarded By HEC, Islamabad
 - Rhizobacteria and biochar induced alteration of tomato physiology and resistance against Fusarium wilt. Awarded by University of the Punjab Lahore.
- *Dr. Mubeen Sarwar, Assistant Professor*
 - Principal Investigator of project entitled “Evaluation and induction of heat stress tolerance in Hot pepper (*Capsicum annuum* L) genotypes under the agro climatic conditions of Lahore” funded by HEC under SRGP, (On going)
 - Principal Investigator of project entitled “Induction of salt stress in winter vegetables through pre-hardening by using organic and inorganic substances funded by Punjab University (On going)
 - *Ms. Qurat-ul-Ain Farooq, Lecturer*
 - Use of homemade and chemical floral preservative for extension of vase life of gladiolus cut flower.
 - *Mr. Adnan Zahid, Lecturer*
 - Principal Investigator of the research project entitled “Weed infestation assessment of rice cultivated areas of Punjab University by using GIS and GPS techniques” by University of the Punjab, Lahore for the fiscal year 2017-18.
- **Publications:** Books/Edited
 - Dr. Waheed Anwar, Research Officer
 - Iftikhar S., Bengyella L., Nawaz K., Anwar W. and Shahid A.A. (2017). Chapter entitled, “New insights into the taxonomic placement of *Bipolaris-Cochliobolus-Curvularia* complex in post-genomics era” in Book entitled, “Pathogenicity of *Cochliobolus* species in post-genomic era” 1st Edition, Studium Press LLC, U.S.A.



- Nawaz K., Bengyella L., Anwar W., Iftikhar S., Subhani M.N. and Shahid A.A. (2017). Chapter entitled, “Comparative analysis of pathogenicity-related proteins of Cochliobolus–plant interactions in post-genomic era” in Book entitled, “Pathogenicity of Cochliobolus species in post-genomic era” 1st Edition, Studium Press LLC, U.S.A.
 - Nawaz K., Bengyella L., Anwar W., Iftikhar S., Subhani M.N. and Shahid A.A. (2017). Chapter entitled, “Current Cochliobolus Metabolites Involved in Plant Disease Development in Post-Genomic era” in Book entitled, “Pathogenicity of Cochliobolus species in post-genomic era” 1st Edition, Studium Press LLC, U.S.A.
 - Anwar W., Shahid A.A. and Haider M.S. (2017). “Entomopathogenic Fungi: Introduction, History, Classification, Infection Mechanism, Enzymes, and Toxins” in a book entitled, “Biopesticides-and-bioagents-novel-tools-for-pest-management”. The book is published by Apple Academic Press partnered with CRC Press, a member of the Taylor & Francis Group.
- **Conferences, Seminars and Workshops, etc.**
- *Prof. Dr. Muhammad Saleem Haider, Professor & Director*
 - Attended International Conference on Biosciences & Medical Engineering (ICBME 2016) as Invited Speaker, held on 10-11 November 2016 at UTM Johor Bahru, Malaysia (sponsored by UTM, Malaysia).
 - *Dr. Salik Nawaz Khan, Associate Professor*
 - Salik Nawaz Khan Oral presentation entitled “Distribution of powdery mildew on Vegetables and weeds in urban and sun urban areas of Lahore” in the 6th international conference and 15th national conference on “Dynamics trends in plant sciences fostering environment” held from 9th to 11th May 2017 at Sardar Bahadur Khan Women’s University Quetta Pakistan
 - Salik Nawaz Khan, Shumaila Farooq Makshoof Athar and Sumera Naz. Oral Presentaion entitled “Periodical didtribution pattern of Macrophomina phaseolina in various agroecological zones of Punjab Pakistan.” in 3rd international conference on agriculture, food security and biotechnology held on April 26-27, 2017 at NIGAB National Agriculture Research Centre (NARC) Islamabad.
 - Salik Nawaz khan Oral Presentation entitled “Climate change and epidemiology impact on some plant diseases for identification of new cropping zones in Punjab, Pakistan in the international conference on plants; their chemical and biological application for today and tomorrow. held on 12-14 April 2017 at University of Gujrat. Pakistan.
 - Salik Nawaz khan, Oral Presentation entitled “Application of kitchen based herbs for extending shelf life and post-harvest quality of perishable crops” in the international conference on “Emerging trends in earth and environmental sciences (ETEES17) held from 9th to 10th march 2017 at University of the Punjab Lahore Pakistan.



- Sumera Naz, Salik Nawaz Khan, Ghulam Mohy-Ud-Din and Shumaila Farooq Oral Presentation entitled "Incidence of Myrothecium leaf spot, Myrothecium roridium in various Agro-ecological zones of Punjab Pakistan in the 3rd International conference on agricultural sciences organized by faculty of Agricultural sciences Sabaragamuwa University, Sri Lanka held from 8th to 9th December 2016 at Sabaragamuwa University Sri Lanka.
- Rashid Mahmood Muhammad Khalid Abbas Salik Nawaz Khan. Oral Presentation "Chemical impact of potassium fertilizers on Macrophomina phaseolina: A soil borne destructive plant pathogen. International conference on significance of potash use in Pakistani agriculture held on November 24th -25th November 2016 at Institute of Agricultural Sciences University of the Punjab Lahore Pakistan
- *Dr. Arshad Javaid, Associate Professor*
 - Javaid A, Mubeen T, Bashir U (2016). Culture filtrates of *Alternaria* spp. as natural herbicides for management of parthenium weed. In: 3rd International Conference of Agricultural Sciences, December 8-9, 2016, Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka.
 - Javaid A, Qudsia H, Shoaib A (2017). Biofungicidal potential of *Senna occidentalis* against *Macrophomina phaseolina*. In: International conference on Current Research in Chemical and Pharmaceutical Sciences, January 18-20, 2017, Forman Christian College Lahore, Pakistan.
 - Javaid A, Akbar M, Ahmed E (2017). Ecofriendly strategy for management of a problematic weed of wheat. In: 1st International conference on Emerging Trends in Earth and Environmental Sciences, March 9-10, 2017, College of Earth and Environmental Sciences (CEES) University of the Punjab Lahore, Pakistan.
 - Javaid A, Jabeen N, Ahmed E (2017). Antifungal activity of methanolic stem extract of *Datura metel* against *Sclerotium rolfsii*, the cause of collar rot of bell pepper. In: 1st International Conference on Plants; Their Chemical and Biological Applications for Today and Tomorrow, April 12-14, 2017, Department of Botany, University of Gujrat, Gujrat, Pakistan.
 - Javaid A, Jabeen N, Ahmed E (2017). Antifungal activity and GC-MS analysis of fruit extract of *Datura metel* against *Sclerotium rolfsii*. In: 3rd International Conference on Agriculture, Food Security, and Biotechnology, April 26-27, 2017, National Institute for Genomics & Advanced Biotechnology (NIGAB), NARC Islamabad, Pakistan.
 - Javaid A, Latif U, Akhtar N, Ahmed D (2017). Fungicidal potential of *Coronopus didymus* against *Fusarium moniliforme*. In: 6th International and 15th National Conference on 'Dynamic Trends in Plant Sciences: Fostering Environment and Food Security, May 9-11, 2017, Sardar Bahadar Khan Women University Quetta, Pakistan.



- Javaid A (2017). Invasion of an alien weed *Parthenium hysterophorus* L. in different parts of Punjab, Pakistan. 7th National Conference on Biodiversity Conservation, Livelihood and Sustainable Development, July 10-12, 2017, Baragali Summer Campus of University of Peshawar, Pakistan.
- Javaid A, Jabeen N, Shoaib A (2017). Management of southern blight of bell pepper by soil amendment with dry biomass of *Datura metel*. In: 26th Asian-Pacific Weed Science Society Conference, September 19-22, 2017, Kyoto Research Park, Kyoto, Japan.
- *Dr. Tehmina Anjum, Assistant Professor*
 - Participated and presented in Global Forum for Innovations in Agriculture (GFIA). 20th – 21st March, 2017 at Abu Dhabi Exhibition Centre Abu Dhabi UAE.
 - Oral presentation in 1st international conference on emerging trends in earth and environmental sciences, organized by College of earth and environmental Sciences, University of the Punjab, Lahore between 9 – 10 March, 2017.
- *Dr. Uzma Bashir, Assistant Professor*
 - Uzma Bashir and Arshad Javaid. 2016. Effect of Sunflower Residue Incorporation, With & Without NPK Fertilization, on Growth and Yield of Wheat and Subsequent Rice Crop. International conference on Significance of potash use in Pakistani agriculture. November 24 –25, 2016. Institute of Agricultural Sciences, University of the Punjab, Lahore- Pakistan.
 - Evaluation of Herbicidal Activity of *Aspergillus niger* Metabolites for the Management of *Parthenium* Weed. First international conference on “Emerging Trends in Earth and Environmental Sciences” Lahore, Pakistan. 9-10th March, 2017.
- *Dr. Shazia Shafique, Assistant Professor*
 - Attended and Presented, 1st International conference on Emerging Trends in Earth and Environmental Sciences, 9-10 March, 2017, College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 - Attended and Presented, 3rd International Conference on Biotechnology Challenges and Opportunities in Pakistan, 8-9 February, 2017, University of South Asia, Lahore, Pakistan.
- *Dr. Muhammad Ashfaq, Assistant Professor*
 - Participated and presented paper in National Conference “Challenges and opportunities to boost agriculture in changing climate” March 29-30, 2017.
 - International Bilateral Seminar on Hybrid Rice for Pakistan from 21 July to 12 August, 2017 in China.
- *Dr. Shahbaz Ahmad, Assistant Professor*
 - Shahbaz Ahmad” Comparison of Methanolic Extracts of Plants and essential Oils on Onion Thrips *Tabaci* (Thysanoptera: Thripidae) under Laboratory conditions. International Congress of Entomology and One Exclusive Day on Current Scenario and Management of Pink Bollworm” on 16-18, December 2016. Department of Entomology, University of Agriculture Faisalabad.



- Shahbaz Ahmad "Molecular Characterization of *Chilo partellus* Swine (Lepidoptera: Pyralidae) through sequence of mtDNA(CO1) gene " International Congress of Entomology and One Exclusive Day on Current Scenario and Management of Pink Bollworm" on 16-18, December 2016. Department of Entomology, University of Agriculture Faisalabad.
- Shahbaz Ahmad, 2016. Review of Pest Significance, economic Influence and Management of Fruitfly, (Diptera: Tephritidae) in Pakistan, National Conference on Sustainable Management and Control of Fruit Fly Infestation on November 23-24, 2016. University of Agriculture Faisalabad.
- *Dr. Naureen Akhtar, Assistant Professor*
 - Morphological and Genetic Characterization of Economically Important *Aspergilli*. The Microbiology Society Annual Conference, 3-6 April 2017, EICC, Edinburgh, UK
 - Soil fungal diversity as indicator of fungicide soil pollution. 1st International Conference on Emerging Trends in Earth and Environmental Sciences, College of Earth and Earth and Environmental Sciences, February 15-16, 2017 organized by University of the Punjab, Lahore, Pakistan.
 - Correlation of organic matter and NPK with fungal community composition of tomato tunnel soils of Punjab. International Conference on Significance of Potash use in Pakistani Agriculture, November 24 –25, 2016 held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
 - Ammara Kanwal, Arshad Javaid, Rashid Mahmood and Naureen Akhtar, Relationship between soil NPK and soil-borne mycoflora in wheat-rice cropping system of Punjab. International Conference on Significance of Potash use in Pakistani Agriculture, November 24 –25, 2016 held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
 - Freeha Anjum, Arshad Javaid, Rashid Mahmood and Naureen Akhtar, Correlation of organic matter and NPK with fungal community composition of tomato tunnel soils of Punjab. International Conference on Significance of Potash use in Pakistani Agriculture, November 24 –25, 2016 held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
- *Dr. Nasir Ahmad, Assistant Professor*
 - Ayesha Nisar, Qurat Ul Ain Bukhari, *Dr. Nasir Ahmad, Dr. Zaheer Hussain and Dr. Muhammad Saleem Haider "Heavy Contamination of Raw, Ready to Cook and Ready to Eat Meat Products with *Salmonella* and *E. coli*" accepted in International Conference "Foods Of Animal Origin" at University Of Agriculture Faisalabad (March 30-31st, 2017).
 - Rabail Asghar, Abdul Khaliq, Dr. Zaheer Hussain, Dr. Nasir Ahmad and Dr. Muhammad Saleem Haider "Cost Effectiveness of Molecular Diagnosis of Meat Borne Pathogens" Foods Of Animal Origin" at University Of Agriculture Faisalabad (March 30-31st, 2017).



- Dr. Zaheer Hussain, Dr. Nasir Ahmad, Rabeel Asghar, Ayehsa Nisar, Qurat Ul ain Bukhari, Muhammad Iqrar and Dr. Muhammad Saleem Haider “Poor meat hygiene practices in Lahore promote microbial growth in chicken” accepted in 3rd International Conference “Safe Food For All” at Bahauddin Zakariya University, Multan (March 1-4th, 2017).
- Rabail Asghar, *Dr. Zaheer Hussain, Dr. Nasir Ahmad and Dr. Muhammad Saleem Haider (2016), “Meat borne pathogens: a serious concern for reducing quantity and quality of meat” Presented in International conference on sustainable crop and animal production systems, The University of Haripur, Haripur. (December 8-10, 2016)
- Organized one day international seminar “Food integrity Modern Concept of food Quality, safety, Authenticity and Defence” organized by SCBS (Pvt) Ltd representative of Eurofins Global Control GmbH Al-Razi Hall, at The University of the Punjab Lahore. December 6, 2016.
- *Dr. Muhammad Ali, Assistant Professor*
 - Oral presentation “Muhammad Ali, Muhammad Ashfaq and Asim Gulzar,” To study the effects of various biopesticide, biocontrol agent and its compression with neonicotinoid insecticide against Cotton Jassid (*Amrsca buguttula biguttula*) population on aubergine (*Solanum melongena*) ” Australian entomological society 48th AGM Conference being held in Terrigal Sydney, New South Wales, Australia (17-20 September 2017) PP 100.
 - Poster presentation in 3rd international conference on agriculture, Food security and biotechnology Title ” Muhammad Ali, Muhammad Ashfaq, Asim Gulzar, and Muhammad Shahzad, The compression of different plants extract efficacy to control the jassid (*Amrasca biguttula biguttula*) population on Okra” National institute of Genomics and advance biotechnology, NARC Islamabad (26-27 April 2017).
 - Poster presentation in National conference on challenges and opportunities to boost the agriculture changing in climate. Muhammad Ali, Muhammad Ashfaq, Asim Gulzar, Muhammad Shahzad and Naureen Rana” Efficacy of different biopesticide against rice leaf folder (*Cnaphalocrocis medinalis*) in Punjab Pakistan” Organized by the College of Agriculture BZU Bahader sub campus Layyah (29-30 March 2017).
 - Attended as Guest speaker in “5th international conference of Food and Nutrition security (Impact of climate change)” organized by the Institute of Home and Food sciences, G. C. University, Faisalabad Pakistan ” (7-8 March 2017).
 - Oral presentation in, The First international conference on the emerging trends in earth and environmental Sciences Title ”Impact of heavy metals and soil microfana environment in the tomato (*Solanum lycopersicum*) field” College of and Earth and Environmental Sciences, University of the Punjab, Lahore. (9-10 March 2017).PP 63



- Poster presentation in 37th international Pakistan congress of zoology Muhammad Ali, Muhammad Ashfaq, Asim Gulzar, Amna Ali and Muhammad Shahzad “The study of different agroecological zones about Jassid (*Amrasca biguttula biguttula*) on brinjal (*Solanum melongena* L.) Crop” Organized by the Department of zoology G. C. University, Faisalabad Pakistan. (28 Feb-12 March 2017).
- Dr. Zill-e-Huma, Assistant Professor
 - Participated in 5th International Congress of the Molecular Biology Association of Turkey, 08th -10th September, 2017, Istanbul Turkey. POSTER
 - Participated in 6th International Conference on Healthcare, Environment, Food and Biological Sciences (CABES 17) 08th -10th September, 2017, Istanbul, Turkey. ORAL
 - Presented Paper in First International conference on “Plants: their Chemical and biological Applications for Today and Tomorrow” organized by Department of Botany, University of Gujrat, Pakistan on 12-14 April, 2017. ORAL
 - Presented paper in the First International conference on “Emerging Trends in Earth and Environmental Sciences” organized by College of Earth and Environmental sciences, on March 09-10, 2017. ORAL
- Dr. Sobiya Shafique, Assistant Professor
 - Attended and Presented, 1st International conference on Emerging Trends in Earth and Environmental Sciences, 9-10 March, 2017, College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.
 - Attended and Presented, 3rd International Conference on Biotechnology Challenges and Opportunities in Pakistan, 8-9 February, 2017, University of South Asia, Lahore, Pakistan.
- Dr. Muhammad Shafiq, Assistant Professor
 - Oral Presentation at the 2nd international conference on Horticultural Sciences February 18-20 2016 at University of Agriculture Faisalabad
- Dr. Zaheer Hussain, Assistant Professor
 - Delivered lecture on “Diagnosis of viral Diseases” in NIAB, Faisalabad (September 19-21, 2017).
 - Ayesha Nisar, Qurat Ul Ain Bukhari, *Dr. Nasir Ahmad, Dr. Zaheer Hussain and Dr. Muhammad Saleem Haider “Heavy Contamination of Raw, Ready to Cook and Ready to Eat Meat Products with Salmonella and E. coli” accepted in International Conference “Foods Of Animal Origin” at University Of Agriculture Faisalabad (March 30-31st, 2017).
 - Rabail Asghar, Abdul Khaliq, Dr. Zaheer Hussain, Dr. Nasir Ahmad and Dr. Muhammad Saleem Haider “Cost Effectiveness of Molecular Diagnosis of Meat Borne Pathogens” Foods Of Animal Origin” at University Of Agriculture Faisalabad (March 30-31st, 2017).



- Dr. Zaheer Hussain, Dr. Nasir Ahmad, Rabeel Asghar, Ayehsa Nisar, Qurat Ul ain Bukhari, Muhammad Iqar and Dr. Muhammad Saleem Haider “Poor meat hygiene practices in Lahore promote microbial growth in chicken” accepted in 3rd International Conference “Safe Food For All” at Bahauddin Zakariya University, Multan (March 1-4th, 2017).
- Attended a training session on “Management competencies Development” at University of the Punjab Lahore Organized by PepsiCo Food Safety Internship program on December 15th, 2016.
- Rabail Asghar, *Dr. Zaheer Hussain, Dr. Nasir Ahmad and Dr. Muhammad Saleem Haider (2016), “Meat borne pathogens: a serious concern for reducing quantity and quality of meat” Presented in International conference on sustainable crop and animal production systems, The University of Haripur, Haripur. (December 8-10, 2016)
- Organized one day international seminar “Food integrity Modern Concept of food Quality, safety, Authenticity and Defence” organized by SCBS (Pvt) Ltd representative of Eurofins Global Control GmbH Al-Razi Hall, at The University of the Punjab Lahore. December 6, 2016.
- Zaheer Hussain¹, Muhammad Saleem Haider¹ and Zafar Ul Ehasan Qureshi² (2016) “High susceptibility of livestock to endemic rabies in Pakistan” presented in XXVII RITA Conference Belem, Brazil (October 23-28)
- Zafar Ul Ahsan Qureshi¹ and Zaheer Hussain² (2016) “Epidemiology of buffalo-pox Virus in Pakistan” Presented in 2nd International Conference of Zoonosis at BZU, Multan (October 20-21)
- *Dr. Sajid Ali, Assistant Professor*
 - Sajid Ali, A. Fatima, S. Afzaal, F. Saeed, A. N. Shahzad and C. A. Ahmad. 2017. Efficacy studies of varying nitrogen concentration and light on polyphenolic compounds in *Nigella sativa*. In Abstracts, International Conference on Plants; Their Chemical and Biological Applications for Today and Tomorrow. Deptt. Botany, Univ. of Gujrat. pp 48. April 12-13.
 - Sohaib Afzaal, S. Ali, A. Fatima, N. U. Khan, A. N. Shahzad and C. A. Ahmad. 2017. Legislations for food safety management: importance and future perspectives. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 55. March 29-30.
 - Muhammad Javed Iqbal, Z. U. Rehman, U. Hameed, W. Anwar, S. Ali and M. S. Haider. 2017. Diversity dynamics of begomovirus, a prevailed threat to cotton based economy of Pakistan. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 134. March 29-30.



- Waheed Anwar, K. Nawaz, A. A. Shahid, M. S. Haider, S. Iftikhar and S. Ali. 2017. *Clonostachys rosea* as entomopathogenic fungi against *Bemisia tabaci*. In Abstracts, National Conference on Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. pp 243. March 29-30.
- Dr. Muhammad Kaleem Naseem, Assistant Professor
 - Adnan Younis , A. Riaz, U. Tariq, M. Nadeem, I. Ali, M. K. Naseem , M. Ahsan, S. Aziz and F. Zulfiqar. 2017. Effect of different salinity levels on physiological attributes of *Conocarpous erectus*. In Abstracts, National conference, Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Punjab, Pakistan. 29-30 March 2017
 - Adnan Younis, A. Riaz, U. Tariq, M. Nadeem, W. Adil, M. K. Naseem, M. Ahsan and S. Aziz. 2017. Exploitation of Silvery (*Leucophyllum Frutescence*) to different levels of drought. In Abstracts, National conference, Challenges and Opportunities to Boost Agriculture in Changing Climate. College of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Punjab, Pakistan. 29-30 March 2017
- Dr. Adnan Akhtar, Assistant Professor
 - One day National Seminar on Kitchen Gardening and Seed Distribution. (21st – September 2017) Institute of Garicultural Sciences, University of the Punjab, Lahore. Pakistan.
 - Alqarawi, A, A., Hashem, A, Abd_Allah, E, F., Akhter, A. and Egamberdieva, D. Arbuscular mycorrhizal fungi induced acquired systemic resistance against *Botrytis cinerea* in *Cucumis sativa* via modulation of reactive oxygen species. 9th International Conference on Mycorrhiza (ICOM9) Prague, (30th July- 4th August 2017) Czech Republic.
- Dr. Adnan Zahid, Lecturer

Poster presentation on “GIS Monitoring of basic soil parameters of IAGS research station Lahore an international Conference on “Significance of Potash Use in Pakistani Agriculture” 24-25 November, 2016 Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Ms. Mehreen Hassan, Lecturer

International Seminar on “Prospects of Agricultural Research (Current & Future) by Miss Marwa Zafar”, University of California, Davis, U.S.A on 23rd August, 2017
- Mr. Moazzam Anees, Lecturer

Manzoor, M.T., M. Shafiq, M. Anees, S. Ahmad and M.S. Haider. Protein gene expressive effects against host species. In Abstracts: 3rd int. conference entitled “Agriculture, food security and biotechnology” April 26-27, 2017 at NIGAB, NARC, Islamabad.



▪ *Dr. Waheed Anwar, Research Officer*

- S. Iftikhar, A.A. Shahid, K. Nawaz and W. Anwar. "Potential of Trichoderma species as biocontrol agent against Curvularia lunata causing fruit rot of tomato (Lycopersicum esculentum Mill.)", ISBN 978-93-84422-76-9, 5th International Conference on Food, Agricultural, Biological and Medical Science (FABMS-2017) Bangkok (Thailand) Feb. 6-7, 2017.
- K. Nawaz, A.A. Shahid, W. Anwar, S. Iftikhar and M.N. Subhani. "Genetic Diversity of the Pythium spp. associated with Root Rot of Chili (Capsicum annum L.) in Pakistan and its Management through Plant extracts". ISBN 978-93-84422-76-9. 5th International Conference on Food, Agricultural, Biological and Medical Science (FABMS-2017) Bangkok (Thailand) Feb. 6-7, 2017.

○ **Research Journals**

▪ *Dr. M. Saleem Haider, Professor & Director*

- Mahmood, A., Haider, M.S., Ali, Q. and Nasir, I.A. (2017). Multivariate analysis to assess abscisic acid content association with different physiological and plant growth related traits of Petunia. Acta Agriculturae Slovenica, 109(2): 175-186
- Ashfaq, M., Anjum, M.A., Hafeez, R., Ali, A., Haider, M.S., Ali, M., Chattha, M.B., Ahmad, S.R., Ahmad, F., Khan, F. and Sajjad, M. (2017). First report of Fusarium equiseti causing brown leaf spot of Fishtail Palm (Caryota mitis) in Pakistan. Plant Disease, 101(5): 840-840 (Impact Factor: 3.173; ISSN: 0191-2917)
- Ashfaq, M., Mubashar, U., Haider, M.S., Ali, M., Ali, A. and Sajjad, M. (2017). Grain discoloration: An emerging threat to rice crop in Pakistan. Journal of Animal and Plant Sciences, 27(3): 696-707 (Impact Factor: 0.381; ISSN: 1018-7081)
- Ashfaq, M., Haider, M.S., Ali, M., Shaheen, S., Khan, F. and Mubashar, U. (2017). Molecular diversity and heterosis analysis for rice grain discoloration. Pakistan Journal of Agricultural Sciences, 54(3): 579-587. (Impact Factor 0.609)
- Ashfaq, M., Asghari, Q.A., Hafeez, R., Ali, A., Haider, M.S., Ali, M., Chattha, M.B., Rasheed, A. and Sajjad, M. (2017). Microbial Diversity Associated With Rice Seeds. Biologia (Pakistan), 63(2): 161-168. HEC recognized Y category.
- Ahmad, A., Zia-ur-Rehman, M., Hameed, U., Rao, A.Q., Ahad, A., Yasmeen, A., Akram, F., Bajwa, K.S., Scheffler, J., Nasir, I.A., Shahid, A.A., Iqbal, M.J., Husnain, T., Haider, M.S. and Brown, J.K. (2017). Engineered Disease Resistance in Cotton Using RNA-Interference to Knock down Cotton leaf curl Kokhran virus-Burewala and Cotton leaf curl Multan betasatellite Expression. Viruses, 9(257): 1-13 (Impact Factor: 3.173)
- Ashfaq, M., Haider, M.S., Ali, A., Ali, M., Mubashar, H., Sajjad, M. and Mubashar, U. (2017). Diversity and correlation analysis in Basmati rice germplasm. Bangladesh J. Bot., 46(2): 565-574) Impact Factor: 0.331).



- Ashfaq, M., Rashid, A., Haider, M.S., Ali, A., Shahzad, M., Ali, M., Khan, F., Farooq, H.U. and Mubashar, U. (2017). Genetic variability and association study of some quantitative traits in chickpea (*Cicer arietinum* L.). *Int. J. Biol. Biotech.*, 14(2): 279-282.
- Ashfaq, M., Haider, M.S., Ali, M., Shaheen, S., Khan, F., Ali, A. and Mubashar, U. (2017). Molecular diversity and heterosis analysis for rice grain discoloration. *Pakistan Journal of Agricultural Sciences*, 54(2): (Impact Factor 0.569)
- Hameed, U., Zia-Ur-Rehman, M., Ali, S.A., Haider, M.S. and Brown, J.K. (2017). First report of Chickpea chlorotic dwarf virus infecting cucumber in Pakistan. *Plant Disease*, 101(5): 848. (Impact Factor = 3.2).
- Khalid, S., Zia-ur-Rehman, M., Hameed, U., Saeed, F., Khan, F. and Haider, M.S. (2017). Transmission Specificity and Coinfection of Mastrevirus with Begomovirus. *International Journal of Agriculture & Biology*, 19(1): 101-113 (Impact Factor = 0.758).
- Ali, A., Ashfaq, M., Haider, M.S., Hanif, S., Ali, M. and Hafeez, R. (2016). Allelopathic potential of *Lantana camara* L. against plant pathogenic bacteria. *Biologia (Pakistan)*, 62(2): 357-361.
- Anwar, W., Subhani, M.N., Haider, M.S., Shahid, A.A., Mushtaq, H., Rehman, M.Z.U., Hameed, U. and Javed, S. (2016). First record of *Trichoderma longibrachiatum* as entomopathogenic fungi against *Bemisia tabaci* in Pakistan. *Pak. J. Phytopathol.*, 28(02): 287-294.
- Shafiq, M., Mushtaq, S., Ahmad, M., Nisar, A., Rehan, M.A., Bibi, A. and Haider, M.S. (2016). Molecular Characterization and Evolutionary Genetic Analysis of *Tomato Leaf Curl Palampur Virus* Infecting *Cucurbita pepo* L. in Pakistan. *Archives of Virology* (submitted).
- Bibi, A., Shafiq, M., Arif, S., Tanveer, A., Manzoor, M.T. and Haider, M.S. (2016). First report of the molecular characterization of the endosymbiont candidatus, *Portiera alevrodidarum* from cotton whiteflies collected from Pakistan. *International Journal of Agriculture & Biology*, 18: 282-285. (Impact Factor: 0.758).
- Majeed, R.A., Shahid, A.A., Liaqat, G.A., Saleem, K., Asif, M., Shafiq, M., Haider, M.S. and Noreen, M. (2016). First report of *Setosphaeria rostrata* causing brown leaf spot of rice in Pakistan. *Plant Disease*, 100(10): 2162. (Impact Factor 3.2).
- Ghaffar, R., Anwar, W., Imtiaz, K., Shafiq, M., Subhani, M.N. and Haider, M.S. (2016). Diversity of internal transcribed spacer (ITS) region of *Fusarium* isolates in Pakistan. *Journal of Animal and Plant Sciences*, 26(5): 1368-1373 (Impact Factor: 0.422).
- Iqbal, M.J., Hussain, W., Zia-ur-Rehman, Hameed, U. and Haider, M.S. (2016). First report of chilli leaf curl virus and associated alpha- and beta-satellite DNAs infecting nettle weed (*Urtica dioica*) in Pakistan. *Plant Disease*, 100(4): 870. (Impact Factor 3.2).



- Khan, H.A.A., Akram, W., Khan, T., Haider, M.S., Iqbal, N. and Zubair, M. (2016). Risk assessment, cross-resistance potential, and biochemical mechanism of resistance to emamectin benzoate in a field strain of house fly (*Musca domestica* Linnaeus). *Chemosphere*, 151: 133-137. (Impact Factor 3.34).
- Ashfaq, M., Mubarak, R., Saleem, M.Y., Ali, A., Ali, M. and Haider, M.S. (2016). Quantitative disease study of early blight of tomato under natural field conditions. *International Journal of Agriculture & Applied Sciences*, 8(1): 31-34.
- Ali, A., Ashfaq, M., Haider, M.S., Hafeez, R. and Ali, M. (2016). Evaluation of phyllospheric bacterial community in some medicinal plants and their antimicrobial activity. *International Journal of Biology & Biotechnology*, 13(3): 407-413.
- Ali, A., Bashir, U., Akhtar, N. and Haider, M.S. (2016). Characterization of growth promoting rhizobacteria of leguminous plants. *Pakistan Journal of Phytopathology*, 28(1): 57-60.
- Haider, M.S., Ashfaq, M., Ali, A., Ali, M., Saleem, I. and Mubashar, U. (2016). Morphological characterization of endophytic bacterial strains isolated from discolored rice grain. *Pakistan Journal of Phytopathology*, 28(1): 1-8.
- Majeed, R.A., Shahid, A.A., Ashfaq, M., Saleem, M.Z. and Haider, M.S. (2016). First Report of *Curvularia lunata* Causing Brown Leaf Spots of Rice in Punjab, Pakistan. *Plant Disease*, 100(1): 219. (Impact Factor 3.2).
- **Dr. Salik Nawaz Khan, Associate Professor**
 - Sumera Naz., Salik Nawaz Khan, Imani J., Ghulam Mohy, Ud-Din¹ and Shumaila Farooq 2017. Geographical distribution of Myrothecium leaf spot disease of *Momordica charantia* L. caused by *Myrothecium roridum* Tode. in Agro-ecological zones of Punjab, Pakistan. *Pakistan Journal of Botany*. 49(4): 1599-1604, (IMPACT FACTOR .68)
 - Tahira JJ and Khan SN, 2017. Diversity of weed flora in onion fields of Punjab, Pakistan. *Pak. J. Weed Sci. Res.*, 23(2): 245-253 2017
 - Shoaib HM, Khan SN, Awan A, 2016. Methanolic extract of *Peganum harmala* exhibit potent activity against *Acanthamoeba castellanii* cysts and its encystment in vitro. *Pak. J. Pharm. Sci.* 29 (.6): 1993-1996 (IMPACT FACTOR 0.69)
- **Dr. Arshad Javaid, Associate Professor**
 - Javaid A, Akhtar N, Khan A, Shoaib A (2016). New host record of *Alternaria brassicicola* infecting triangle palm (*Dypsis decaryi*) in Pakistan. *Journal of Animal and Plant Sciences* 26(6): 1894-1898. [Impact Factor 0.381]
 - Sana N, Shoaib A, Javaid A (2016). Antifungal potential of leaf extracts of leguminous trees against *Sclerotium rolfsii*. *African Journal of Traditional Complementary and Alternative Medicines* 13(5): 54-60.
 - Nafisa, Shoaib A, Shafiq M, Javaid A (2016). Effect of *Sclerotium rolfsii* on uptake of heavy metal copper in pea (*Pisum sativum* L.). *International Journal of Agriculture & Biology* 18(6): 1025-1031. [Impact Factor 0.746]



- Waheed N, Jabeen K, Iqbal S, Javaid A (2016). Biopesticidal activity of *Calotropis procera* L. against *Macrophomina phaseolina*. *African Journal of Traditional Complementary and Alternative Medicines* 13(6): 163-167.
- Khurshid S, Shoaib A, Javaid A, Akhtar F, Shafique M, Qaisar M (2017). Management of *Fusarium* wilt of tomato by soil amendment with *Cenchrus pennisetiformis* under chromium stress. *Physiological and Molecular Plant Pathology* 97(1): 58-68. [Impact Factor 1.139]
- Javaid A, Qudsia H, Shoaib A (2017). Bioassays guided fractionation of *Senna occidentalis* for identification of natural antifungal constituents against *Macrophomina phaseolina*. *Planta Daninha* 35: Article No. e017163483, pages 1-7. [Impact Factor 0.461]
- Javaid A, Mubeen T, Bashir U, Shoaib A (2017). Management of parthenium weed using metabolites of *Alternaria japonica*. *Planta Daninha* 35: Article No. e017161195, page 1-6. [Impact Factor 0.461]
- Banaras S, Javaid A, Shoaib A, Ahmed E (2017). Antifungal activity of *Cirsium arvense* extracts against a phytopathogenic fungus *Macrophomina phaseolina*. *Planta Daninha* 35: Article No. e017162738, pages 1-9. [Impact Factor 0.461]
- Javaid A, Afzal L, Shoaib A (2017). Antifungal potential of a Brassicaceous weed *Sisymbrium irio* against *Macrophomina phaseolina*. *Planta Daninha* 35: Article No. e017164280, pages 1-9, DOI: 10.1590/S0100-83582017350100057. [Impact Factor 0.461]
- Ali A, Javaid A, Shoaib A (2017). GC-MS analysis and antifungal activity of methanolic root extract of *Chenopodium album* against *Sclerotium rolfsii*. *Planta Daninha* 35: pages 1-8, Article No. e017164713. DOI: 10.1590/S0100-83582017350100046. [Impact Factor 0.461]
- Sana N, Bajwa R, Javaid A, Shoaib A (2017). Effect of Biopower application on weeds growth and yield of rice. *Planta Daninha* 35: pages 1-11, Article No. e017164872. [Impact Factor 0.461]
- Karim M, Jabeen K, Iqbal S, Javaid A (2017). Bioefficacy of a common weed *Datura metel* against *Colletotrichum gloeosporioides*. *Planta Daninha* 35: Article No. e017164676. [Impact Factor 0.461]
- Javaid A, Afzal L, Shoaib A (2017). Biological control of charcoal rot of mungbean by *Trichoderma harzianum* and shoot dry biomass of *Sisymbrium irio*. *Planta Daninha* 35: Article No. e017165756, pages 1-12. [Impact Factor 0.461]
- Riaz T, Javaid A (2017). Mixed cropping effects on agronomic parameters and mycorrhizal status of *Gladiolus grandiflorus* Hort. and *Narcissus papyraceus* Ker-Gawl. *Bangladesh Journal of Botany* 46(1): 133-138. [Impact Factor 0.301]



- Sana N, Javaid A, Shoaib A (2017). Effect of NPK fertilizers and commercial biofertilizers on southern blight disease and plant growth in chili. *Bangladesh Journal of Botany* 46(2): 659-666. [Impact Factor 0.301]
- Sana N, Javaid A, Shoaib A (2017). Antifungal activity of methanolic leaf extracts of allelopathic trees against *Sclerotium rolfsii*. *Bangladesh Journal of Botany* 46(3): 987-993. [Impact Factor 0.301]
- Bashir U, Javaid A, Bajwa R (2017). Influence of sunflower residue incorporation on growth and yield of wheat and subsequent rice crop. *Philippine Agricultural Scientist* 100(1): 96-102. [Impact Factor 0.248]
- Bakhsh A, Iqbal SM, Mehboob-ur-Rahman, Javaid A (2017). Use of RAPD markers in comparison with agro-morphological traits for estimation of diversity among chickpea genotypes. *International Journal of Agriculture and Biology* 19(3): 427-431. [Impact Factor 0.746]
- Javaid A, Niaz L, Shoaib A (2017). Effect of incorporation of leaf biomass of *Coronopus didymus* on management of basal rot disease of onion and plant physiology. *International Journal of Agriculture and Biology* 19(3):445-452. [Impact Factor 0.746]
- Qudsia H, Javaid A, Mahmood R, Akhtar N (2017). Correlation between soil chemical characteristics and soil-borne mycoflora in cucumber tunnels. *Pakistan Journal of Botany* 48(4): 1579-1583. [Impact Factor 0.690]
- Amber P, Akram A, Iqbal SM, Qureshi R, Javaid A, Akram Z (2017). RAPD based characterization of chickpea isolates of *Sclerotium rolfsii*. *Pakistan Journal of Botany* 48(5): 2015-2022. [Impact Factor 0.690]
- Javed S, Javaid A, Anwar W, Majeed RA, Akhtar R, Naqvi SF (2017). First report of Botrytis bunch rot of grapes caused by *Botrytis cinerea* in Pakistan. *Plant Disease* 101(6): 1036. [Impact Factor 3.173]
- Kanwal A, Javaid A, Mahmood R, Akhtar N (2017). Correlation between soil nutrients and soil-borne mycoflora in wheat-rice cropping system of Punjab, Pakistan. *Journal of Animal and Plant Sciences* 27(4): 1256-1263. [Impact Factor 0.381]
- Khurshid S, Shoaib A, Javaid A, Qaisar U (2016). Antifungal activity of ethyl acetate sub-fraction of methanolic extracts of *Cenchrus pennisetiformis* in the presence of Cr(III) and Cr(VI). *Pakistan Journal of Phytopathology* 28(2): 213-221.
- *Dr. Tehmina Anjum, Assistant Professor*
 - Tehmina Anjum, Waheed Akram, Shazia Shafique, Sobiya Shafique and Aqeel Ahmad. 2017. Metabolomic analysis identifies synergistic role of hormones biosynthesis and phenylpropanoid pathways during *Fusarium* wilt resistance in tomato plants. *International Journal of Agriculture and Biology*. Accepted: IJAB-17-0285. (IF: 0.746)



- Tehmina Anjum, Waheed Akram, Shazia Shafique, Sobiya Shafique and Aqeel Ahmad. 2017. Metabolomic analysis identifies synergistic role of hormones biosynthesis and phenylpropanoid pathways during Fusarium wilt resistance in tomato plants. *International Journal of Agriculture and Biology*. 19: 1073 - 1078. (IF: 0.746)
- Sabin Fatima and Tehmina Anjum. 2017. Identification of a potential ISR determinant from *Pseudomonas aeruginosa* PM12 against Fusarium wilt in tomato. *Frontiers in Plant Science*. (IF: 4.298)
- Wajiha Irum, Tehmina Anjum, Mazhar Iqbal, Abdul Ghaffar, Mateen Abbas and Abdul Muqet Khan. 2016. Structural analysis and biological toxicity of aflatoxins B1 and B2 degrading products following detoxification by *Ocimum basilicum* and *Cassia fistula* aqueous extracts. *Frontiers in Microbiology*. doi: 10.3389/fmicb.2016.01105. (IF: 4.076)
- Waheed Akram, Tehmina Anjum and Basharat Ali. 2016. Phenylacetic acid is ISR determinant produced by *Bacillus fortis* IAGS162, which involves extensive re-modulation in metabolomics of tomato to protect against fusarium wilt. *Frontiers in Plant Science*. doi: 10.3389/fpls.2016.00498. (IF: 4.298)
- Sana Hanif, Tehmina Anjum, Rahila Hafeez, Waheed Akram, Amna Ali and Farrukh Hassan. 2016. First report of *Alternaria mali* causing core rot of apple in Pakistan. *Plant Disease*. 100(8): 1784 (IF: 3.173)
- Wajiha Irum, Tehmina Anjum, Mazhar Iqbal, Abdul Ghaffar and Mateen Abbas. 2016. Structural elucidation and toxicity assessment of degraded products of aflatoxin B1 and B2 by aqueous extracts of *Trachyspermum ammi*. *Frontiers in Microbiology*. doi: 10.3389/fmicb.2016.00346. (IF: 4.076)
- Sabin Fatima and Tehmina Anjum. 2016. Induction of systemic resistance in tomato by *Pseudomonas aeruginosa* PM12 against Fusarium wilt. *Pakistan Journal of Biotechnology*. 13(2): 117 – 124.
- Anam Yousaf, Abdul Qadir, Tehmina Anjum, Aqeel Ahmad. 2016. Screening of staple food crops for their phytosterol and nutritional contents to determine their hyperlipidemia controlling potential. *Journal of Food and Nutritional Disorders*. 5:3 doi: <http://dx.doi.org/10.4172/2324-9323.1000196>.
- *Dr. Amna Shoaib, Assistant Professor*
 - S. Khurshid, Shoaib A. Javaid A. Akhtar F. Shafiq M. and Qaisar U. (2017). Management of Fusarium wilt of tomato by soil amendment with *Cenchrus pennisetiformis* under chromium stress. *Physiological and Molecular Plant Pathology*, 97: 58-68. (IF: 1.13)
 - S. Rafi, Shoaib A. Awan ZA. Rizvi NB. Nafisa and Shafiq M. (2017). Chromium tolerance, oxidative stress response, morphological characteristics and FTIR studies of phytopathogenic fungus *Sclerotium rolfsii*. *Folia Microbiologica*, 62: 207-219. (IF: 1.52)



- A. Javaid, Qudsia H. and Shoaib A. (2017). Bioassays guided fractionation of *Senna occidentalis* for identification of natural antifungal constituents against *Macrophomina phaseolina*. *Planta Daninha*, 35:e01716348318. (IF: 0.461)
- S. Banaras, Javaid A. Shoaib A and Ahmed E. (2017). Antifungal activity of *Cirsium arvense* extracts against a phytopathogenic fungus *Macrophomina phaseolina*. *Planta Daninha*, 35: e017162738 (IF: 0.461).
- A. Javaid, Niaz L. and Shoaib A. (2017). Effect of incorporation of leaf biomass of *Coronopus didymus* on management of basal rot disease of onion and plant physiology. *International Journal of Agriculture and Biology*, 19(3): 445-452. (IF: 0.746)
- A. Javaid, Mubeen T. Bashir U. and Shoaib A. (2017). Management of parthenium weed by metabolites of *Alternaria japonica*. *Planta Daninha*, 35: e017161195 (IF: 0.461).
- N. Sana, Javaid A. and Shoaib A. (2017). Effect of NPK fertilizers and commercial biofertilizers on southern blight disease and plant growth in chili. *Bangladesh Journal of Botany*, 46: 659-666. (IF: 0.233)
- A. Ali, Javaid A. and Shoaib A. (2017). GC-MS analysis and antifungal activity of methanolic root extract of *Chenopodium album* against *Sclerotium rolfsii*. *Planta Daninha*, 35: e017164713. (IF: 0.461)
- N. Sana, Bajwa R. Javaid A. and Shoaib A. (2017). Effect of Biopower application on weeds growth and yield of rice. *Planta Daninha*, 35: Article No. e017164872, pages 1-11. (IF: 0.461)
- A. Javaid, Afzal L. and Shoaib A. (2017). Antifungal potential of a Brassicaceous weed *Sisymbrium irio* against *Macrophomina phaseolina*. *Planta Daninha*, 35: Article No. e017164280, pages 1-9. (IF: 0.461)
- N. Sana, Javaid A. and Shoaib A. (2017). Antifungal activity of methanolic leaf extracts of allelopathic trees against *Sclerotium rolfsii*. *Bangladesh Journal of Botany*, 46(3): 987-993. (IF: 0.233)
- A. Javaid, Afzal L. and Shoaib A. (2017). Biological control of charcoal rot of mungbean by *Trichoderma harzianum* and shoot dry biomass of *Sisymbrium irio*. *Planta Daninha* 35: pages 1-12, Article No. e017165756. Doi: 10.1590/S0100. (IF: 0.461)
- A. Javaid, Akhtar N. Khan A. Shoaib A. and Hafeez R. (2016). New host record of *Alternaria brassicicola* infecting triangle palm (*Dypsis decaryi*) in Pakistan. *Journal of Animal and Plant Sciences*, 26(6): 1894-1898. (IF: 0.38)
- S. Khurshid, Shoaib A., Javaid A. and Qaisar U. (2016). Antifungal activity of ethyl acetate sub-fraction of methanolic extracts of *Cenchrus pennisetiformis* in the presence of Cr(III) and Cr(VI). *Pakistan Journal of Phytopathology*, 28(2): 213-221.



- ZA. Awan, Akhtar N. Shoaib A. and Akhtar S. (2016). First report of *Aspergillus minisclerotigenes* as a postharvest pathogen of soybean seeds from Pakistan. *Journal of Plant Pathology*, 98(16): 683. (IF: 1.26)
- Nafisa, Shoaib A. Shafiq M. and Javaid A. (2016). Effect of *Sclerotium rolfsii* on uptake of heavy metal copper in pea (*Pisum sativum* L.). *International Journal of Agriculture and Biology*, 18(6): 1025-1031. (IF: 0.746)
- S. Akhtar, Shoaib A. Akhtar N. and Mehmood R. (2016). Separate and combined effects of *Macrophomina phaseolina* and copper on growth, physiology and antioxidative enzymes in *Vigna mungo* L. *Journal of Animal and Plant Sciences*, 26(5): 1339-1345. (IF: 0.38)
- N. Sana, Shoaib A. and Javaid A. (2016). Antifungal potential of leaf extracts of leguminous trees against *Sclerotium rolfsii*. *African Journal of Traditional, Complementary and Alternative Medicines*, 13(5):15-40. (IF: 0.51)
- S. Khurshid, Shoaib A. Javaid A. and Abid K. (2016). Bioaccumulation of chromium by *Fusarium oxysporum*. *ScienceAsia*, 42: 92-98 (IF: 0.343)
- S. Khurshid, Shoaib A. Javaid A. and Qaisar U. (2016). Fungicidal potential of allelopathic weed *Cenchrus pennisetiformis* on growth of *Fusarium oxysporum* f. sp. *lycopersici* under chromium stress. *Planta Daninha*, 34(3): 453-463. (IF: 0.461)
- S. Khurshid, Shoaib A. and Javaid A. (2016). Chromium toxicity to tomato (*Lycopersicum esculentum* Mill.) susceptible to *Fusarium* wilt pathogen. *Current Science*, 110(3): 399-404. (IF: 0.843)
- N. Sana, Shoaib A. Javaid A. and Rana KA. (2016). Phytochemical management of collar rot of chili with leaf biomass of *Eucalyptus camaldulensis*. *Pakistan Journal of Phytopathology*, 28(1): 19-24.
- *Dr. Uzma Bashir, Assistant Professor*
 - Uzma Bashir and Rahila Hafeez. 2016. Deterioration of Painted Wall Surface by Fungal Saprobies: Isolation and Identification. *Pakistan Journal of Phytopathology*. 28(01): 09-13.
 - Amna Ali, Uzma Bashir, Naureen Akhtar and Muhammad Saleem Haider. 2016. Characterization of Growth Promoting Rhizobacteria of Leguminous Plants. *Pakistan Journal of Phytopathology*. 28(01): 57-60.
 - Naureen Akhtar, Amna Ali, Uzma Bashir and Muhammad Saleem Haider. 2016. Bactericidal action of crude leaf extracts of common weeds. *Pakistan Journal of weed Sciences Research*. 22(1): 157-167
 - .Khalid Mehmood, Umer Farooq, Zara Abid, Uzma Bashir and Mukhtar Hussain Shah 2016. Comparative Analysis in Different Brands of Ciprofloxacin by HPLC and UV/VIS Spectroscopy. *Science International* 28(5), 4727-4729.



- Uzma Bashir, Amna Ali and Rahila Hafeez 2016. Phytochemical Screening and Estimation of Antimicrobial Activity of Citrus Peel. Pakistan Journal of Phytopathology. 28 (02) 185-191.
- Khalid Mehmood, Zia Ullah Khokhar, Uzma Bashir, Umar Farooq and Mukhtar Hussain Shah. 2016. Estimation of Caffeine in Different Caffeinated Drinks of Gujranwala District (A Case Study). Science International .28(5) 4529-4532.
- Uzma Bashir and Arshad Javaid. 2016. Effect of Sunflower Residue Incorporation, With & Without NPK Fertilization, on Growth and Yield of Wheat and Subsequent Rice Crop. Proceedings of International conference on Significance of potash use in Pakistani agriculture. Institute of Agricultural Sciences, University of the Punjab, Lahore- Pakistan
- Uzma Bashir, Arshad Javaid and Rukhsana Bajwa, 2017. Influence of sunflower residue incorporation on growth and yield of wheat and subsequent rice crop. Philippine Agricultural Scientist 100(1): 96-102.
- Arshad Javaid, Tahira Mubeen, Uzma Bashir and Amna Shoaib. 2017. Management of parthenium weed using metabolites of Alternaria japonica. Planta Daninha. vol.35, e017161195. ISSN 0100-8358. <http://dx.doi.org/10.1590/s0100-83582017350100016>.
- Uzma Bashir, Ayesha Khan and Arshad Javaid, 2017. Herbicidal Activity of Aspergillus niger Metabolites Against Parthenium Weed. Accepted in Planta Daninha
- Uzma Bashir, Sidra Javed, Waheed Anwar, Kiran Nawaz and Rahila Hafeez, 2017. First Report of Penicillium polonicum Causing Blue Mold on Stored Garlic (Allium sativum L.) in Pakistan. Plant Disease. 101(6)1037.
- Hafiz Shahzad Maqsood, Uzma Bashir, Muhammad Zubair, Jakub Wiener and Jiri Militky, 2017. Cationization of cellulose fibers for composites. The Journal of the Textile institute. <http://dx.doi.org/10.1080/00405000.2016.1245579>.108(8):1302-1307.
- Hafiz Shahzad Maqsood, Uzma Bashir, Jakub Wiener, Michał Puchalski, Sławomir Sztajnowski, Jiri Militky, 2017. Ozone Treatment of Jute Fibers. DOI 10.1007/s10570-016-1164-y- Cellulose Journal. 24(3):1543-1553.
- Uzma Bashir, Arshad Javaid and Rukhsana Bajwa. 2017. Genotypic variation in germination and growth of wheat to sunflower phytotoxicity. Bangladesh Journal of Botany. December, 46(4)
- *Dr. Shazia Shafique, Assistant Professor*
 - Sobiya Shafique, Shazia Shafique and Aqeel Ahmad, 2017. Biochemical and molecular screening of varieties of chili plants that are resistant against Fusarium wilt infection. European Journal of Microbiology and Immunology, (Accepted).



- Sobiya shafique, Ambreen Naseer, Naureen Akhtar, Shazia Shafique, 2017. Biological control of leaf spot causing fungal pathogens in red edge dracaena and sow thistle. Pakistan Journal of Agricultural Sciences. (In press). (impact factor: 0.609)
- Tehmina Anjum, Waheed Akram, Shazia Shafique, Sobiya Shafique, Aqeel Ahmad, 2017. Metabolomic analysis identifies synergistic role of hormones biosynthesis and phenylpropanoid pathways during Fusarium wilt resistance in tomato plants. International Journal of Agricultural and biology. 19 (5): 1073-1078. (impact factor: 0.746)
- Shazia Shafique, Sobiya Shafique, Aqeel Ahmad, 2017. Defense response of Eucalyptus camaldulensis against black spot pathogen of Pisum sativum. South African Journal of Botany. 113: 428-436. (impact factor: 1.427)
- Sobiya Shafique, Mina Rafique, Naureen Akhtar and Shazia Shafique, 2017. Identification and Management of Alternaria ochroleuca – A Cause of Leaf Necrosis in Money Plant. Journal of Animal and Plant Sciences. 27 (4): 1276-1286. (impact factor: 0.381)
- Sobiya Shafique and Shazia Shafique, 2017. Partial Purification and Characterization of α -Amylase from Hyperactive Mutants of *A. niger* for Economic Enzyme Production and Starch Hydrolysis *International Journal of Biology and Biotechnology* 14 (2): 159-167.
- Zoobia Bashir, Sobiya Shafique, <http://frontiersin.org/people/u/75444> Aqeel Ahmad, Shazia Shafique, Nasim A. Yasin, Yaseen Ashraf, Asma Ibrahim, Waheed Akram and Sibgha Noreen, 2016. Tomato Plant Proteins Actively Responding to Fungal Applications and Their Role in Cell Physiology. Frontiers in Physiology. 7: 1-10. (impact factor: 4.031)
- *Dr. Muhammad Ashfaq, Assistant Professor*
 - M. Ashfaq, M. A. Anjum, R. Hafeez, A. Ali, M. S. Haider, M. Ali, M. B. Chattha, S. R. Ahmad, F. Ahmad, F.Khan and M. Sajjad. (2017). First Report of Fusarium equiseti Causing Brown Leaf Spot of Fishtail Palm (Caryota mitis) in Pakistan. Plant Disease Vol 101 (5): 840-840. (IF:3.19)
 - Muhammad Ashfaq, Muhammad Saleem Haider, Amna Ali, Muhammad Ali, Husnain Mubashar, Muhammad Sajjad and Urooj Mubashar (2017) Diversity and correlation analysis in basmati rice germplasm. Bangladesh J. Bot. 46(2): 565-574. (IF:0.331)
 - M. Ashfaq, U. Mubashar, M. S. Haider, M. Ali, A. Ali and M. Sajjad (2017) Grain discoloration: an emerging threat to rice crop in Pakistan. The Journal of Animal & Plant Sciences, 27(3): 696-707. (IF:0.381)
 - Muhammad Ashfaq, Muhammad Saleem Haider, Muhammad Ali, Shabnum Shaheen, Farah Khan, Amna Ali and Urooj Mubashar (2017) Molecular diversity and heterosis analysis for rice grain discoloration. Pak. J. Agri. Sci., Vol. 54(2)879-887.. (IF:0.659)



- Muhammad Ashfaq, Abdul Rashid, Muhammad Saleem Haider, Amna Ali, Muhammad Shahzad, Muhammad Ali, Farah Khan, Hafiz Umar Farooq and Urooj Mubashar 2017. Genetic variability and association study of some quantitative traits in chickpea (*cicer arietinum* L.). *Int. J. Biol. Biotech.*, 14 (2): 279-282. (HEC Recognized Y category)
- Muhammad Ali, Hafiz AzharAli Khan, Hafiz Muhammad Tahir , Asad Tariq, Muhammad Ashfaq, ShinawarWaseem Ali, Asim Gulzar, Hafiz Muhammad Umer Aslam, Uzma Khalid Sajawal Yousaf and Urooj Mubashar. (2017). Larvicidal potential of different plants extracts against the larvae of mosquito (*Aedes aegypti* (L.) (Culicidae: Diptera). *Pak. Entomol.*, 39(1):37-40. (HEC Recognized Y category)
- Muhammad Ashfaq, Qurat-Ul-Ain Asghar, Rahila Hafeez, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Muhammad Bilal Chattha Abdul Rasheed & Muhammad Sajjad (2017). Microbial Diversity Associated With Rice Seeds. *Biologia (Pakistan)*. 63 (2) 161-168.
- Ruqeyah Abdul Majeed, Ahmad Ali Shahid, Muhammad Ashfaq, Muhammad Zafar Saleem and Muhammad Saleem Haider (2016). First Report of *Curvularia lunata* Causing Brown Leaf Spots of Rice in Punjab, Pakistan. *Plant Disease* Vol 100 (1): 219-219. (IF:3.02)
- Sana Hanif, Rahila Hafeez, Waheed Akram, Muhammad Ashfaq and Amna Ali (2016) First Report of *Sclerotinia* Fruit Rot of *Citrus paradisi* Caused by *Sclerotinia sclerotiorum* in Pakistan. *Plant Disease* Vol 100 (4): 863-863. (IF: 3.02)
- Muhammad Ashfaq, Muhammad S. Haider, Amna Ali, Muhammad Ali, Iqra Saleem, Urooj Mubashar (2016) Morphological characterization of endophytic bacterial strains isolated from discolored rice grain. *Pak. J. Phytopathol.*, Vol. 28 (01) 2016. 01-08. (HEC recognized Y category)
- Amna Ali, Muhammad Ashfaq, Muhammad Saleem Haider, Rahila Hafeez and Muhammad Ali (2016). Evaluation of phyllospheric bacterial community in some medicinal plants and their antimicrobial activity. *Int. J. Biol. Biotech.*, 13 (3): 407-415, 2016. (HEC recognized Y category)
- Muhammad Ashfaq , Rabia Mubarak , Muhammad Yousaf Saleem , Amna Ali , Muhammad Ali and Muhammad Saleem Haider (2016) Quantitative disease study of early blight of tomato under natural field conditions. *Int. J. Agric. Appl. Sci.* Vol. 8, No.1: 31-34. (HEC recognized Z category)
- Muhammad Ali, Muhammad Ashfaq, Abdul Ghaffar, Azhar uddin Bahtti, Amna Ali and Urooj Mubashar (2016). Role of Physio-Morphic Characters of Different Genotypes of Eggplant, *Solanum melongena* L. and its Association with the Fluctuation of Jassid, *Amrasca biguttula biguttula* (Ishida) Population. *Pakistan J. Zool.* 48(5): 1511-1515.



- Muhammad Ali, Muhammad Ashfaq, Mazhar Hussain Ranjha, Asim Gulzar, Shahbaz Ahmad and Amna Ali (2016). The host plant susceptibility indices and varietal preference of jassid (*Amrasca bigutulla bigutulla* Ishida) on eggplant (*Solanum melongena* L.) in Punjab Pakistan. *Pak. Entomol.*, 38(1): 15-18.
- Dr. Rashid Mahmood, Assistant Professor
 - Kanwal, A, A. Javaid, R. Mahmood and N. Akhtar. 2017. Correlation between soil nutrients and soil-borne mycoflora in wheat-rice cropping system of punjab, pakistan. *The Journal of Animal & Plant Sciences*, 27(4), 1256-1263 (Impact factor: 0.448).
 - Shakar, M., M. Yaseen, R. Mahmood and I. Ahmad. 2017. Effect of soil-applied CaC₂ on gas exchange characters, nitrogen metabolism and fruit yield in cucumber (*Cucumis sativus*). *New Zealand Journal of Crop and Horticultural Science*, 1-12 (Impact factor: 0.605).
 - Khan, H. A. A., W. Akram, T. Khan, M. Arshad, S. Ali, R. Mahmood and F. Hafeez. 2017. Correlation of biochemical leaf traits and gall formation in six cultivars of mango, *Mangifera indica* L. *Pakistan Journal of Agricultural Sciences*, 54(1), 91-96 (Impact factor: 1.049).
 - Shakar, M., M. Yaseen, A. Niaz, R. Mahmood, M. M. Iqbal and T. Naz. 2016. Calcium Carbide-induced changes in germination, morpho-phenological and yield traits in cucumber (*Cucumis sativus*). *International Journal of Agriculture & Biology* 18(4): 703-709. (Impact factor: 0.758).
 - Shakar, M., M. Yaseen, R. Mahmood, I. Ahmad. 2016. Calcium carbide induced ethylene modulates biochemical profile of *Cucumis sativus* at seed germination stage to alleviate salt stress. *Scientia Horticulturae* 213: 179–185. (Impact factor: 1.538).
 - Mahmood, R. and M. Yaseen. 2016. Influence of calcium carbide formulations on growth, yield and nitrogen uptake of wheat under field conditions. *Journal of Plant Nutrition*. 39(5): 609-619. (Impact factor: 0.510)
- Dr. Muhammad Bilal Chattha, Assistant Professor
 - Habib, A., A. Mahmood, W. R. Arshad, M. Umer, M. Bilal, F. Rasul, I.U. Haq and M. Usman. 2016. Crop losses and varietal response of sugarcane against red rot disease in Pakistan's Punjab province. *Int. Sugar J.* :274-279 (I.F. 0.19)
 - Bilal, M., M. Umer, I. Khan, H. Munir, A. Ahmad, M. Usman and R. Iqbal. 2016. Interactive effect of phosphorous and humic acid on growth, yield and related attributes of maize. *J Agric. Res.*, 2016, 54(3):433-445 [Y-Category]
 - Ashfaq, M., M. Rizwan, A. Rashid, M. Akhtar, F. Khan, M. Ali, M.B. Chattha, M. Sajjad and U. Mubashar. 2016. Disease response of exotic rice genotypes against bacterial leaf blight and its effect on various morphological traits. *Pak. J. Phytopathol.*, Vol. 28 (2) 2016. 269-274 [Y-Category]



- Nawaz, M., M.U. Chattha, M.B. Chattha, H. Munir and R. Ahmad. 2016. Sugarcane processing by-product compost supplemented with inorganic fertilizers improve the growth, yield and quality of spring planted sugarcane (*Saccharum officinarum* L.) *J Agric. Res.*, 2016, 54(4):631-645 [Y-Category]
- Dr. Shahbaz Ahmad, Assistant Professor
 - Ahmad, S, Chatha MB, Kaleem M, Binyameen M, Haider MU and Ali Q, 2017. Evaluation of some Indigenous Plants Extract for the management of Onion thrips (*Thrips tabaci*, Thysanura, Thripidae). *Int. J. Bio, Pharm. Allied Sci*, Vol, 6(10): 2028-2036.
 - Sehrish I, Shahid AI, Halim SA, Wolters PJ, Vleeshouwers VGAA, Khan A, Al Harasi, A and Ahmad S, 2017. Discovering Novel Alternaria solani Succinate dehydrogenase inhibitors by in Silico modeling and virtual screening strategies to combat early blight. *Front. Chem.*, Vol,5 | <https://doi.org/10.3389/fchem.2017.00100>.
 - Salman, S, Khan SJ, Ali S, Marwat SK, Mahpara S, Ahmad S, and Ali Q, 2017. Genetic basis of flag leaf area in bread wheat (*Triticum aestivum* L.) under drought stress. *Int. J. Bio, Pharm. Allied Sci*, Vol, 6(11): 2245-2259.
 - Mumtaz S, Khan NA, Nadeem S, Ikram S, Ahmad S and Ali Q, 2017. Response of Rossa Gruss-an-Teplitz towards various levels of fertilizer application. *Int. J. Bio, Pharm. Allied Sci*, Vol, 6(11): 2233-2244.
 - Ahmad S, M. Ashfaq, M. Hassanand S. T. Sahi, 2016, Study of Chemical Plant Factors on *Chilo infuscatellus* (Pyralidae: Lepidoptera) from selected Sugarcane Varieties. *Pak, Entom.*, 38 (2) 135-139.
 - Muzammil Sattar, Sardar Sajid Mehmood, Muhammad Rahim Khan, and S, Ahmad, 2016. Influence of Egg Parasitoid *Trichogramma chilonis* Ishii on Sugarcane Stem Borer (*Chilo infuscatellus* Snellen) in Pakistan. *Pak. J. Zool.* Vol. 48(4): 989-994.
 - M, Ali, M, Ashfaq, M, H, Ranjha, A, Gulzar, S, Ahmad A, Ali, 2016. The host Plant Susceptible Indices and varital Preferences of Jassid (*Amerasica Bigtulla Bigtuella*) on egg plant in Punjab Pakistan, *Pak, Entom.*, 38 (1) 15-18.
 - Ahmad S, Ali Q, Usman M, Ali M and Binyameen M, 2016. Evaluation of Indigenous Plant Extract against Aphid (*Schizaphis graminum*) under laboratory conditions, *Int. J. Bio, Pharm. Allied Sci*, Vol, 5(12): 3189-3196.
 - Nadeem S, Riaz A, Khan A, Ahmad S and Ahmad A, 2016. Salicylic acid effects on Physiological and Plant growth related traits of petunia under drought stress, *Int. J. Bio, Pharm. Allied Sci*, Vol, 5(12): 3231-3251.
 - A, Jaweria¹, F, Naeem¹, M, Malik, F, Javaid, Q, Ali, S, Ahmad, M.F. Khan and I, A. Nasir, 2016. Dengue Fever: Causes, Prevention and Recent Advances. *J. Mosquito, Res*, V.06, 32:1-9.



- Q, Ali, A, Sultan, A, Azhar, N, Kanwal, F, Ali, A, Rasheed, M, Adnan, S Ahmad, M.U. Naseem, I. A Nasir and T, Husnain, 2016. Protein Engineering: A Brief Overview Methodologies and Applications, Life Science Journal:13(12) 46-55.
- *Dr. Muhammad Nasir Subhani, Assistant Professor*
 - Louis Bengyella, Elsie Laban Yekwa, Muhammad Nasir Subhani, Ernest Tambo, Kiran Nawaz, Bakoena Ashton Hetsa, Sehrish Iftikhar, Sayanika Devi Waikhom, Pranab Roy. 2017. Invasive morphological transitions and immune adaptations mediating antifungal resistance. Infection and Drug Resistance. 10: 425-436. Impact Factor = 3.779
 - Waheed Anwar, Kiran Nawaz, Sehrish and Muhammad Nasir Subhani. 2017. First report of fruit rot of tomato caused by *Pythium ultimum* in Pakistan. Journal of Plant Pathology. 99(2): 535 Impact Factor = 1.267
 - Ahmad A. Shahid, Kiran Nawaz, Waheed Anwar, Muhammad Nasir Subhani*. 2017. New record of fruit rot of bitter melon (*Momordica charantia* L.) caused by *Phytophthora palmivora* in Pakistan. Plant Disease. 101(7):1331. Impact Factor = 3.173
 - Aroosa Khan, Muhammad Nasir Subhani*, Muhammad Bilal Chattha, Waheed Anwar and Kiran Nawaz. 2017. First report of whisker mold of citrus (*Citrus sinensis*) caused by *Penicillium ulaiense* in Pakistan. Plant Disease. 101(6):1042. Impact Factor = 3.173
 - Muhammad Umer Chattha, Muhammad Umair Hassan, Imran Khan, Muhammad Bilal Chattha, Athar Mahmood, Muhammad Usman Chattha, Muhammad Nawaz, Muhammad Nasir Subhani, Mina Kharal, Sadia Khan. 2017. Biofortification of Different Wheat Cultivars to Combat Zinc Deficiency. Frontiers in Plant Science. 8:1-8. Impact Factor= 4.298
 - Kiran Nawaz, Ahmad Ali Shahid, Waheed Anwar, Sehrish Iftikhar and Muhammad Nasir Subhani. 2017. Genetic Diversity of the *Pythium* spp. associated with Root Rot of Chili (*Capsicum annum* L.) in Pakistan and its Management through Plant extracts. Proceedings of 5th International Conference on Food, Agricultural, Biological and Medical Science held on 6-7th of February, 2017 in Bangkok (Thailand). PP: 93-98.
 - Waheed Anwar, Muhammad N. Subhani*, Muhammad S. Haider, Ahmad A. Shahid, Hamid Mushtaq, Muhammad Z.U. Rehman, Usman Hameed, Sidra Javed. 2016. First record of *Trichoderma longibrachiatum* as entomopathogenic fungi against *Bemisia tabaci* in Pakistan. Pak. J. Phytopathol. 28(02): 287-294.
 - Rahat Ghaffar, Waheed Anwar, Khadija Imtiaz, Muhammad Shafiq, Muhammad Nasir Subhani* and Muhammad Saleem Haider. 2016. Diversity of internal transcribed spacer (ITS) region of *Fusarium* isolates in Pakistan. The J. Anim. Plant Sci. 26(5):1368-1373. Impact Factor = 0.442



- Muhammad Imran, Muhammad Nasir Subhani* and Waseem Abbas. 2016. Reaction of potato varieties/lines against (PVY) under natural field conditions and confirmation of the field results through ELISA. *Journal of Global Agriculture and Ecology*. 5(4): 195-199
- Waseem Abbas and Muhammad Nasir Subhani. 2016. Efficiency of Plant Extracts to Control PVY & PLRV and their vector population in Potato. *Journal of Biol. and Nature*. 5(3): 154-157.
- Muhammad Nasir Subhani. 2016. *Phytophthora infestans* (Mont.) de Bary (Peronosporales: Pythiaceae): A review of Life history, evolutionary status of pathogen, host range, mating types, symptomology, disease cycle, means of dispersal, extent of losses, and management. *Journal of Global Agriculture and Ecology*. 5(2): 108-126.
- Muhammad Nasir Subhani, Shahbaz Talib Sahi, Abdul Rehman and Waqas Wakil. 2015. Effect of late blight caused by *Phytophthora infestans* (Mont.) de Bary on Nitrogen content in leaves of advanced potato lines/cultivars. *Acad. Res. J. Agric. Sci. Res.* 4(1): 31-34.
- Kiran Nawaz, Ahmad Ali Shahid, Muhammad Nasir Subhani*, Waheed Anwar and Muhammad Aslam. 2016. First report of *Pythium spinosum* causing Root Rot Disease of Chilli (*Capsicum annuum*) in Pakistan. *Plant Disease*. 100(2): 526. *Impact Factor* = 3.02
- Dr. Naureen Akhtar, Assistant Professor
 - Haleema Qudsia, Arshad Javaid, Rashid Mahmood and Naureen Akhtar, 2017. Correlation between soil chemical characteristics and soil-borne mycoflora in cucumber tunnels. *Pakistan Journal of Botany*, 49(4): 1579-1583.
 - Shazia Shafique, Mina Rafique, Naureen Akhtar and Sobiya Shafique, 2017. Identification and Management of *Alternaria ochroleuca* – A Cause of Leaf Necrosis in Money Plant, *Pakistan Journal of Animal and Plant Sciences*, 27(4):1276-1286.
 - Ammara Kanwal, Arshad Javaid, Rashid Mahmood and Naureen Akhtar, 2017. Correlation between soil nutrients and soil-borne mycoflora in wheat-rice cropping system of Punjab, Pakistan. *Pakistan Journal of Animal and Plant Sciences*, 27(4): 1256-1263.
 - Naureen Akhtar and Madiha Nayab, 2017. First report of *Alternaria alternata* causing leaf spot of *Ficus benghalensis* in Pakistan. *Journal of Plant Pathology*, 99(2):
 - Naureen Akhtar, Rahila Hafeez and Waheed Anwar, 2017. *Combretum indicum* – A new host record of *Alternaria brassicae* Leaf Spot disease from Pakistan. *Pakistan Journal of Phytopathology*, 29(1): 171-173.



- Unaiza Amin and Naureen Akhtar, 2017. Effect of fungicides on nitrate uptake and assimilation in *Aspergillus nidulans*. Pakistan Journal of Animal and Plant Sciences, 27 (2): 550-558.
- Arshad Javaid, Naureen Akhtar, Ayesha Khan, Amna Shoaib and Rahila Hafeez, 2016. New host record of *Alternaria brassicicola* infecting Triangle palm (*Dypsis decaryi*) in Pakistan. Pakistan Journal of Animal and Plant Sciences, 26(6):1894-1898.
- Naureen Akhtar and Madiha Nayab, 2016. First Report of *Cladosporium oxysporum* Causing Leaf Spot of *Rosa indica* in Pakistan. Journal of Plant Pathology 98(3): 688.
- Zoia Arshad Awan, Naureen Akhtar, Amna Shoaib and Sundus Akhtar, 2016. First Report of Post Harvest Infection of Soybean Seeds by *Aspergillus minisclerotigenes* from Pakistan. Journal of Plant Pathology, 98(3): 683.
- Madiha Nayab and Naureen Akhtar, 2016. First Report of *Curvularia aerea* Causing Leaf Spot of *Ficus religiosa* in Pakistan. APS Plant Disease, 100(12): 2530.
- Sundus Akhtar, Amna Shoaib, Naureen Akhtar and Rashid Mehmood, 2016. Separate and combined effects of *Macrophomina phaseolina* and copper on growth, physiology and antioxidative enzymes in *Vigna mungo* L. Pakistan Journal of Animal and Plant Sciences, 26(5): 1339-1345
- Madiha Nayab and Naureen Akhtar, 2016. New Report of *Cycas revoluta* Leaf Necrosis by *Phoma herbarum* from Pakistan. Journal of Plant Diseases and Protection, 123(4): 193-196
- Naureen Akhtar, Ambreen Naseer, Sobiya Shafique, Shazia Shafique and Komal Hanif, 2016. First Report of *Phyllosticta aristolochiicola* Causing Leaf Spot of *Sonchus oleraceus* in Pakistan. APS Plant Disease, 100(7): 1503.
- Komal Hanif, Naureen Akhtar and Rahila Hafeez, 2016. First Report of *Aspergillus welwitschiae* as a Postharvest Pathogen of *Brassica campestris* Seeds in Pakistan, Journal of Plant Pathology, 98(1): 185.
- Naureen Akhtar, Madiha Nayab, Naeem Sattar and Fasiha Qurashi, 2016. First Report of *Alternaria alternata* Causing Leaf Spot of *Polyalthia longifolia* in Pakistan, Journal of Plant Pathology, 98(1): 173.
- Komal Hanif, Naureen Akhtar and Rahila Hafeez, 2016. First Report of *Aspergillus welwitschiae* as a Postharvest Pathogen of *Brassica campestris* Seeds in Pakistan, Journal of Plant Pathology, 98 (1): 185.
- Naureen Akhtar, Madiha Nayab, Naeem Sattar and Fasiha Qurashi, 2016. First Report of *Alternaria alternata* Causing Leaf Spot of *Polyalthia longifolia* in Pakistan, Journal of Plant Pathology, 98 (1): 173.
- Naureen Akhtar, Rahila Hafeez and Amna Ali, 2016. Viability Assessment of Refrigerated Mucorales in Pure Cultures. Pakistan Journal of Phytopathology, 28(2): 147-152.



- Amna Ali, Uzma Bashir, Naureen Akhtar and Muhammad Saleem Haider, 2016. Characterization of growth promoting rhizobacteria of leguminous plants. *Pakistan Journal of Phytopathology*, 28(1): 57-60.
- Naureen Akhtar, Amna Ali, Uzma Bashir and Muhammad Saleem Haider, 2016. Bactericidal action of crude leaf extracts of common weeds. *Pakistan Journal of Weed Science Research*, 22 (1): 157-167.
- **Dr. Nasir Ahmad, Assistant Professor**
 - Muhammad, M. A., Falak, S., Rashid, N., Gardner, Q. T. A. A., Ahmad, N., Imanaka, T., and Akhtar, M. (2017). "*Escherichia coli* signal peptidase recognizes and cleaves archaeal signal sequence. *Biochemistry (Moscow)*. Papers in Press. Published on May 8, 2017 as Manuscript BM17-112. (Impact Factor 1.537).
- **Dr. Muhammad Ali Assistant Professor**
 - Muhammad Ashfaq, Muhammad Saleem Haider, Muhammad Ali, Shabnum Shaheen, Farah Khan and Urooj Mubashar (2017) Molecular diversity and heterosis analysis for rice grain discoloration. *Pak. J. Agri. Sci.*, vol. 54(3), 579-587
 - Muhammad Ali, Hafiz AzharAli Khan, Hafiz Muhammad Tahir, Asad Tariq, Muhammad Ashfaq, Shinawar Waseem Ali, Asim Gulzar, Hafiz Muhammad UmerAslam, Uzma Khalid, Sajawal Yousaf and Urooj Mubashar (2017) The larvicidal potential of different plants extracts against the larvae of mosquito (*Aedes aegypti* (L.) (Culicidae: Diptera). *Pak. Entomol.*, 39(1):37-40.
 - Muhammad Ashfaq, Qurat-ul-ain Asghar, Rahila Hafeez, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Muhammad Bilal Chattha, Abdul Rasheed and Muhammad Sajjad (2017) Microbial diversity associated with rice seeds. *Biologia (Pakistan)* 63 (2), 161-168.
 - M. Ashfaq, U. Mubashar, M. S. Haider, M. Ali, A. Ali and M. Sajjad (2017) grain discoloration: an emerging threat to rice crop in Pakistan. *The journal of animal & plant sciences*, 27(3): 696-707
 - Muhammad Ashfaq, Muhammad Saleem Haider, Amna Ali, Muhammad Ali, Husnain Mubashar, Muhammad Sajjad and Urooj Mubashar (2017) Diversity and correlation analysis in basmati rice germplasm. *Bangladesh J. Bot.* 46(2): 565-574.
 - Muhammad ashfaq, Abdul Rashid, Muhammad Saleem Haider, Amna Ali, Muhammad shahzad, Muhammad Ali, Farah khan, Hafiz Umar Farooq and Urooj Mubashar (2017) Genetic variability and association study of some quantitative traits in chickpea (*cicer arietinum* L.) *Int. J. Biol. Biotech.*, 14 (2): 279-282,
 - M. Ashfaq, M. A. Anjum, R. Hafeez, A. Ali, M. S. Haider, M. Ali, and M. B. Chattha, S. R. Ahmad, F. Ahmad, F.Khan M. Sajjad, (2017) First Report of *Fusarium equiseti* Causing Brown Leaf Spot of Fishtail Palm (*Caryotamitis*) in Pakistan. *Plant Disease* Vol.101, No 5 PP 840. (IF: 3.02)



- A.A. Shahid, S. Iftikhar, K. Nawaz, W. Anwar and M. Ali (2017) First report of *Alternaria alternata* causing brown leaf spot of potato in Pakistan. *Journal of Plant Pathology* 99 (1), 287-304 (IF: .60)
- S. Bushra¹, M. Tariq, M. Naeem, M. Ashfaq, I. Bodlah and M. Ali (2017) Effect of Semiochemicals and Plant Extracts on Performance of Aphid Parasitoid, *Diaeretiella rapae*. *Pakistan J. Zool.*, vol. 49(2), 615-621. (IF: .48)J.
- *Dr. Zill-e-Huma, Assistant Professor*
 - Aftab ZH, Yousaf A, Siddique I and Aftab A (2016). Comparative Studies on Cephalosporin C biosynthesis by *Aspergillus* and *Acremonium* Species. *International Journal of Environment, Agriculture and Biotechnology*. Vol-1, Issue-4, Nov-Dec- 2016. <http://dx.doi.org/10.22161/ijeab/1.4.43> ISSN: 2456-1878.
 - Aftab A., Khan ZD., Yousaf Z., Aftab ZH., Javad S., Bushra Shamsheer B., Zahoor M., Riaz N., Javed S., Yasin H. and Ramzan H. (2017). Exploration of Ethnopharmacological Potential of Antimicrobial, Antioxidant, Anthelmintic and Phytochemical Analysis of Medicinally Important Plant *Centella asiatica* (L.) Urban in Mart. and Eichl. *American Journal of Plant Sciences*. 8(2): 201-211.
 - A. Aftab, H. Chaudhary, Z. Yousaf, Z. H. Aftab*, F. Khan and H. Yasin. (2017). Antimicrobial potential of *Catharanthus roseus* extracts against pathogenic bacterial and fungal strains. *Pakistan Journal of Sciences*. 69 (2).
- *Dr. Hafiz Azhar Ali Khan, Assistant Professor*
 - Khan HAA*, Akram W. (2017). Cyromazine resistance in a field strain of house flies, *Musca domestica* L.: resistance risk assessment and bio-chemical mechanism. *Chemosphere* 167: 308-313. (Impact Factor = 4.21)
 - Khan HAA, Akram W, Fatima A. (2017). Resistance to pyrethroid insecticides in house flies, *Musca domestica* L., (Diptera: Muscidae) collected from urban areas in Punjab, Pakistan. *Parasitology Research* 116: 3381–3385 (Impact Factor = 2.33)
 - Khan HAA, Akram W. (2017). Resistance to selected pyrethroid insecticides in the malarial mosquito, *Anopheles stephensi* Liston, from Punjab, Pakistan. *Journal of Medical Entomology* In press (Impact Factor = 1.65)
 - Khan HAA*, Akram W, Khan T, Arshad M, Ali S, Mahmood R, Hafeez F. (2017). Correlation of biochemical leaf traits and gall formation in six cultivars of mango, *Mangifera indica* L. *Pakistan Journal of Agricultural Sciences* 54: 91-96. (Impact Factor = 0.61)
 - Yasoob H, Khan HAA, Zhang Y. (2017). Toxicity and Sublethal Effects of Cantharidin on *Musca domestica* (Diptera: Muscidae). *Journal of Economic Entomology*. 110: 2017, 2539–2544 (Impact Factor = 1.824)
 - Arshad M, Khan HAA*, Hafeez F, Sherazi R, Iqbal N. (2017). Predatory potential of *Coccinella septempunctata* L. against four aphid species. *Pakistan Journal of Zoology* 49: 623-627. (Impact Factor = 0.49)



- Ilyas A, Khan HAA, Qadir A. (2017). Effect of leaf extracts of some indigenous plants on settling and oviposition responses of peach fruit fly, *Bactrocera zonata* (Diptera: Tephritidae). *Pakistan Journal of Zoology* 49: 1547-1553 (Impact Factor = 0.49)
- Khan BS, Farooq M, Hafeez F, Khan HAA, Abbas M, Ghaffar A. (2017). Temperature dependent life parameters and predatory potential of a stigmatid mite, *Agistemus buntex*, Chaudhri against two spotted spider mite, *Tetranychus urticae*, Dufour. *Pakistan Journal of Agricultural Sciences* 54: 83-89 (Impact Factor = 0.61)
- Malik G, Qadir A, Khan HAA, Aslam A. (2017). Toxicity of lufenuron and thiamethoxam against five Pakistani strains of *Sitophilus oryzae* on wheat, rice and maize. *Pakistan Entomologist* 39(1):41-47. (HEC recognized, "Y" category)
- Ali M, Khan HAA, Tahir HM, Tariq A, Ashfaq M, Ali SW, Gulzar A, Aslam HMU, Khalid U, Yousaf S, Mubashar U. 2017. The larvicidal potential of different plants extracts against the larvae of mosquito (*Aedes aegypti* (L.) (Culicidae: Diptera). *Pakistan Entomologist* 39(1):37-40. (HEC recognized, "Y" category)
- *Dr. Muhammad Shafiq, Assistant Professor*
 - Sehrish Mushtaq, Faiza Khan, Muhammad Shafiq, Mubasshir Hussain, Muhammad Saleem Haider. 2017. Endophytic Bacteria: A beneficial organism. *Int. J. Biosci.* 10(6), 1-12. <http://dx.doi.org/10.12692/ijb/10.6.1-12>
 - Ruqeyah Abdul Majeed, Ahmad Ali Shahid, Gulraze Ahmad Liaqat, KAMRAN SALEEM, Muhammad Asif, Muhammad Shafiq, and Muhammad Saleem Haider (2016) First Report of *Setosphaeria rostrata* Causing Brown Leaf Spots of Rice in Pakistan Plant Disease, doi: <http://dx.doi.org/10.1094/PDIS-02-16-0220-PDN>
 - Nafisa, Amna Shoaib, Muhammad Shafiq and Arshad Javaid (2016) Effect of *Sclerotium rolfsii* on Uptake of Heavy Metal Copper in Pea (*Pisum sativum* L.) *International Journal of Agriculture & Biology* DOI: 10.17957/IJAB/15.0226
 - Shafiq, M., S. Arif, A. Bibi, M. Ali, M.S. Haider, M. Ashfaq, S. Ahmad, M.T. Manzoor, M. Shahzad, A. Tanveer and A. Ahmad, 2016. Detection and geographical distribution of *Wolbachia* endosymbiont in the natural populations of cotton leafhopper, (*Amrasca devastans*) in Pakistan. *Pak. Entomol.*, 38(2):141-146 (HEC Y Categories)
 - Bibi, A., Shafiq, S., Arif, S. Tanveer, A., Manzoor, M.T. and Haider, M.S. (2016). First report of the molecular characterization of the endosymbiont *Candidatus Portiera aleyrodidarum* from cotton whiteflies collected from Pakistan. *International Journal of Agriculture & Biology*, DOI: 10.17957/IJAB/15.0083. (Impact Factor: 0.902).
- *Dr. Zaheer Hussain, Assistant Professor*
 - Rai Shafqat Ali Khan, Mudasser Habib, Muhammad Salah Ud Din Shah, Waqas Ali, Zaheer Hussain, Zahid Ali Tahir (2017). Molecular Characterization of Infectious Bursal Disease Virus from Commercial Poultry in Pakistan. *Matrix Science Medica*, 1(2):01-06.



- *Dr. Sajid Ali, Assistant Professor*
 - H. A. A. Khan, W. Akram, T. Khan, M. Arshad, S. Ali, R. Mahmood and F. Hafeez. 2017. Leaf traits and gall formation in mango, *Mangifera indica* L. Pakistan Journal of Agricultural Sciences. 54 (1), 91-96; 2017 [IF: 0.597]
 - Muhammad Ali, A. A. Shahid, S. Ali. 2017. First Report of *Pythium debaryanum* Causing Chilli Damping Off in Pakistan. Plant Disease. 101 (2); 391. (<https://doi.org/10.1094/PDIS-08-16-1209-PDN>) [IF: 3.173]
 - Sajid Ali, B. Honermeier. 2016. Post emergence herbicides influence the leaf yield, chlorophyll fluorescence and phenolic compounds of artichoke (*Cynara cardunculus* L.). Scientia Horticulturae. 203: 216-223. DOI 10.1016/j.scienta.2016.03.038 [IF: 1.365]
 - Muhammad Saqib, M. Ijaz, S. Ali, M. Latif, M. Ahmad, N. Akbar. 2016. The effect of different weed management strategies on the growth and yield of direct seeded dry rice (*Oryza sativa* L.). Planta Daninha. 34 (1): 57-64. DOI 10.1590/S0100-83582016340100006 [IF: 0.468]
- *Dr. Muhammad Kaleem Naseem, Assistant Professor*
 - Naseem, M.K., M.B.Chattah A.Younis, H. Sardar, M.A.Hanif and G. Akhtar 2017. SCFE technology for essential oil extraction of *Murraya exotica*. Int. J. Bio.Sci. 10(4): 151-159. <http://dx.doi.org/10.12692/ijb/10.4.151-159>
 - Sumeria Nazir, Adnan Younis, Atif Riaz, Ahsan Akram, Nasir Ahmad Khan, Usman Tariq, M. Nadeem, M. Kaleem Naseem and Muhammad Ahsan. 2017. Nutritional efficacy of various growing substrates for potted *Ravenea rivularis* palm production. Pak.J. Nutri. Doi:10.3923/pjn.2017. [Online]
 - Younis, A., Tariq, A.R.U., Nadeem, M., Khan, N.A., Ahsan, M., Adil, W., Naseem, M.K. 2017. Drought tolerance of *Leucophyllum frutescens*: physiological and morphological studies reveal the potential xerophyte. Acta Sci. Pol. Hortorum Cultus. 16(6) 85-94. Doi: 10.24326/asphc.2017.6.8
- *Mr. Nadeem Shad, Lecturer*

Shad N, Siddiqi B., Javaid A., and Sadiq MS. (2016) Response of *Vigna Mungo* (L) Hepper Germplasm to *Mungbean Yellow Mosaic Begomovirus* (MYMV). (Submitted for publication in a reputed journal).
- *Ms. Qurrat-ul-Ain Farooq, Lecturer*
 - Qurrat ul Ain Farooq, Abeera Fatima, Norina Murtaza and Fiaz hussain Ferdosi. 2017. In-vitro propagation of olive cultivars 'Frontio', 'Earlik', 'Gemlik'. ActaHortic., 1152(34): 249-255.
 - Qurrat Ul Ain Farooq and Abeera Fatima. 2016. A review on significance use of potash on horticultural crops. Proceeding for International conference on significance of potash use in Pakistani agriculture. pp 47.



- Qurrat ul Ain Farooq, Muhammad Qasim and Uzman Khalil. 2016. Grey water Irrigation: A comparative study on different Turf-grass varieties. Abstract book of 6th International Conference on Landscape & Urban Horticulture. Pp 154.
- **Mr. Adnan Zahid, Lecturer**
Sehrish Iftikhar, Ahmad Ali Shahid¹, Kiran Nawaz¹, Adnan Zahid, Waheed Anwar and Muhammad Saleem Haider (2017) Black pit of potato tubers, *Solanum tuberosum* L., caused by *Alternaria alternata*, confirmed for the first time in Pakistan, *Journal of Plant disease*, (Accepted, Report attached) (Impact Factor 3.20)
- **Dr. Waheed Anwar, Research Officer**
 - Iftikhar S., Shahid A.A., Nawaz K., Zahid A., Anwar W. and Haider M.S. (2017). First report of black pit of potato caused by *Alternaria alternata* in Pakistan, *Journal of Plant disease* (Impact Factor 3.20).
- Anwar W., Nawaz K., Iftikhar S and Subhani M.N. (2017). First report of fruit rot of tomato caused by *Pythium ultimum* in Pakistan. *Journal of Plant Pathology* Vol. 99, No.2. (Impact Factor: 1.27)
- Anwar W., Hameed U., Mushtaq H., Shahid A.A., Haider M.S., Rehman M. Z. and Iqbal M. J. (2017). Genetic diversity of *Fusarium* isolated from members of Sternorrhyncha (Homoptera); entomopathogens against *Bemisia tabaci*. (Pakistan Journal of Zoology. Impact Factor- 0.478, DOI: <http://dx.doi.org/10.17582/journal.pjz/2017.49.2.639.645>)
- A.A. Shahid, K. Nawaz, S. Iftikhar, W. Anwar and M.N. Subhani. (2017). New record of fruit rot of bitter melon (*Momordica charantia*) caused by *Phytophthora*. (Plant Disease, Impact Factor- 3.20, <http://dx.doi.org/10.1094/PDIS-01-17-0049-PDN>).
- Javed S., Javaid A., Anwar W., Majeed R.A., Akhtar R. and Naqvi S.F. (2017). First Report of Botrytis Bunch Rot of Grapes Caused by *Botrytis cinerea* in Pakistan. (Plant Disease, Impact Factor- 3.20, <http://dx.doi.org/10.1094/PDIS-05-16-0762-PDN>).
- Shahid A.A., Iftikhar S., Nawaz K., Anwar W. and Ali M. (2017). First report of *Alternaria alternata* causing Brown spot of potato in Pakistan. *Journal of Plant Pathology*; Vol 99, No 1. (Impact Factor: 1.27).
- Bashir, U., Javed S., Anwar W., Nawaz K and Hafeez R. (2017). First Report of *Penicillium polonicum* causing Blue Mold on Stored Garlic (*Allium sativum* L.) in Pakistan. (Plant Disease-Impact Factor 3.20, <http://dx.doi.org/10.1094/PDIS-07-16-1069-PDN>)
- Khan A., Chattha M.B., Anwar W., Nawaz K and Subhani M.N. (2017). First report of whisker mold of citrus (*Citrus sinensis*) caused by *Penicillium ulaiense* in Pakistan. (Plant Disease- Impact Factor, 3.20, <http://dx.doi.org/10.1094/PDIS-10-16-1511-PDN>).
- Akhtar, N., Hafeez, R. and Anwar, W. (2017). *Combretum indicum* – A new host record of *Alternaria brassicae* leaf spot disease from Pakistan. *Pak. J. Phytopathol.*, Vol. 29 (01) 2017. 171-173.



- Anwar W., Haider M.S., Shahid A.A., Mushtaq H., Rehman Z.U., Hameed U. and Javed S. (2016). First record of *Trichoderma longibrachiatum* as entomopathogenic fungi against *Bemisia tabaci* in Pakistan. Pak. J. Phytopathol., Vol. 28 (02) 2016. 287-294.

RESEARCH COLLABORATION

○ Indigenous

- Central Cotton Research Institute, Multan
- Ayub Agricultural Research Institute, Faisalabad
- Environment Protection Department (EPD), Lahore
- Rice Research Centre Bahawalnagar.
- Adaptive Research Farm Gujranwala (Agriculture Department).
- Centre of Excellence in Molecular Biology.
- Higher Education Commission Islamabad.
- Institute of Chemistry, University of the Punjab Lahore.
- Department of Botany, Lahore College for Women University Lahore.
- Department of Chemistry, GC University Lahore.
- Department of Chemistry, FC College University Lahore.
- Department of Botany, University of Gujrat.
- School of Biological Sciences, University of the Punjab, Lahore
- Water Management Training Institute, Punjab, Lahore.
- Department of Botany, Education University.
- Gulberg College, Lahore.
- National Agricultural Research Centre (NARC), Islamabad.
- Balochistan Agriculture College, Quetta

○ Foreign Linkages

- Punjab University – PARB – University of Toronto, Canada
- Punjab University – ICARDA –USDA, University of Arizona, USA
- Punjab University – Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden.

○ Funding grants for R&D

- M. Saleem Haider. An amount of Rs.0.250 million was granted by the University of the Punjab for research project entitled “Biochemical remodulation mechanisms underlying effects of chickpea chlorotic dwarf virus on tomato plant that mediate transmission by leafhopper vectors”.
- Dr. Shazia Shafique. Principal Investigator in one year (2017) project entitled “Antagonistic potential of *Trichoderma* secondary metabolites against *Alternaria alternata*” Grant Rs.150, 000/-)
- Dr. Shazia Shafique. Principal Investigator in one year (2016) project entitled “Control of a foliar pathogen of tomato by using a combination of synthetic resistance elicitors”. Grant Rs.150, 000/-)



- Dr. Shahbaz Ahmad. DNA Barcoding and Management of *Chilo partellus* (Pyralida, Lepidoptera) by using sustainable approaches, Institute of Agricultural Sciences (IAGS) University of the Punjab, Lahore 2016-17.
- Dr. Adnan Akhter. Principal Investigator in Startup research grant project by HEC entitled 'Biochar and selected rhizobacterial strains mediated systemic resistance against Fusarium wilt of tomato'. Awarded by *Higher Education Commission, Pakistan* (Grant Rs. 453000/-).
- Dr. Adnan Akhter. Principal Investigator in one year project entitled "Rhizobacteria and biochar induced alteration of tomato physiology and resistance against Fusarium wilt" awarded by the University of the Punjab, Lahore, Pakistan, 2017. (Grant Rs.150000/-)
- Ms. Qurrat Ul Ain Farooq. Principal Investigator in one year (2017) project entitled "Use of grey water as an alternate source of irrigation for ornamental grasses." awarded by the University of the Punjab, Lahore, Pakistan, 2017. Grant Rs.125,000/-)

INSTITUTE OF APPLIED PSYCHOLOGY

○ **Research & Development:** An Overview

A Centre for Psychological Research and Services has been established as a unit of the Institute of Applied Psychology. The aim is to produce high quality research. All the information on Institutional research is also available on: <http://pu.edu.pk/home/department/39/Institute-of-Applied-Psychology> . Since its inception, the Centre has also been actively engaged in rendering informal professional services to the individuals. Appropriate services are also provided to the organizations such as: Social Welfare Departments, Prisons, Staff Training Institutions, Civil Defense, Selection Boards, Business Organizations and Educational Institutions. Research projects are integral part of all academic programs and faculty members are actively involved in carrying out individual research as well research supervision.

○ **Projects:** Completed

Sr. No.	Name of Faculty Member	Project Name	Duration	Sponsoring Agency	Funding Rs.
1.	Prof. Dr. Farah Malik Professor	Perceived Childhood parental Acceptance-Rejection and its Relationship with the Development of Fear in Intimate Relationship in Later Age	One Year	Punjab University	2,50,000/-
2.	Dr. Naumana Amjad Associate Professor	Outcomes and Use of Character Strengths among Youth-Test of a Model Across two Cultures	One Year	Punjab University	2,00,000/-



3.	Dr. Rafia Rafique Associate Professor	Fear of negative Evaluation and Shame as predictors of Social Functioning in Patients with Vitiligo: Mediating Role of Self-consciousness	One Year	Punjab University	2,00,000/-
4.	Dr. Shazia Khalid Assistant Professor	Narcissism, Perfection and Mood Stability in Females, Working in Media	One Year	Punjab University	1,50,000/-
5.	Dr. Fatima Kamran Assistant Professor	Psychosocial Predictors of Post Traumatic Growth in Renal Transplant Recipients	One Year	Punjab University	1,50,000/-
6.	Dr. Afsheen Masood Assistant Professor	Family hardiness, parental Distress and Family Functioning following Mild Traumatic brain Injury in Children and its Relationship to Post-concussive Symptoms	One Year	Punjab University	1,50,000/-
7.	Dr. Saima Ghazal Assistant Professor	Predicting Decision Making Skill in Educated Samples in Pakistan	One Year	Punjab University	1,50,000/-

○ **Newly Launched**

Sr. No.	Name of Faculty Member	Project Name	Duration	Sponsoring Agency	Funding Rs.
1.	Dr. Rafia Rafique Associate Professor	Self-Reported and Clinician Rated Mental Health Concerns and Perceived Barriers in Seeking Services among University Students	One Year	Punjab University	2,00,000/-
2.	Dr. Shazia Khalid Assistant Professor	Sick Building Syndrome and Job Performance in Female Factory Workers	One Year	Punjab University	1,50,000/-
3.	Dr. Iram Fatima Assistant Professor	Health Locus of Control, Illness Behavior and Headache Related Quality of Life in Migraine Patients	One Year	Punjab University	1,50,000/-



4.	Dr. Afsheen Masood Assistant Professor	Parenting Styles, Family Environment, Suicidal Ideation and Emotional Regulation in Late Adolescents	One Year	Punjab University	1,50,000/-
5.	Dr. Saima Ghazal Assistant Professor	Child Abuse Risk Literacy: Preventing Child Abuse in Families at High Risk	One Year	Punjab University	1,50,000/-
6.	Dr. Mujeeba Ashraf Assistant Professor	Violent Video Games and Aggressive Behaviour in Late Childhood	One Year	Punjab University	1,50,000/-
7.	Ms. Shahnaila Tariq Lecturer (on contract)	Moral Foundations, Machiavellianism and Psychopathic Tendencies in University Teachers	One Year	Punjab University	1,25,000/-

○ **Conferences, Seminars and Workshops, etc.** (Sponsors, oral Presentation + Post Presentation)

▪ Prof. Dr. Rukhsana Kausar

- Nida Zafar, Rukhsana Kausar and Stale Pallesen. "Psychopathic Traits and Aggression in Adolescents: Are Violent Movies Playing Moderating Role?" ORAL presentation in Violence and Society International Conference held on 18th March, 2017 at University of Warsaw, Poland.
- Rukhsana Kausar. "Gender Differences in Psychopathic Personality Traits, Perception of Peer Pressure and Reckless Behavior in Late Adolescents" ORAL presentation in 6th International Conference on Psychology of Gender in Perspective: Issues and Challenges (ICPG 2016) held on 1st-2nd December, 2016, organized by the National Institute of Psychology (NIP), Quaid-e-Azam University, Islamabad.
- Rukhsana Kausar and Azba Sohail. "Work Demands, Work-Family Conflict and Job Satisfaction in Nurses" ORAL presentation in the 35th Year Annual Conference cum Convocation, IMSACON 2016 held on 7th – 8th October, 2016 at Balaclava, Mauritius.
- 4th International Social Sciences Conference on "Regional and International Cooperation: Problems and Prospectus 2016" held on 26th -27th October, 2016 at Higher Education Commission, Islamabad.
- Chaired Session in 6th International Conference on Psychology of Gender in Perspective: Issues and Challenges (ICPG 2016) held on 1st-2nd December, 2016, organized by the National Institute of Psychology (NIP), Quaid-e-Azam University, Islamabad.



- Resource Person, Training Workshop for the Editors of HEC Recognized Journals of Islamabad at HEC Regional Centre, Lahore held in Islamabad, 17-18 April, 2017.
- Prof. Dr. Farah Malik
 - Scientific Chair IMSACON 2016, Mauritius, October 7th, 8th & 9th, 2016 Theme: Golden Bridge: New Wave in Global Medicine: Knowledge Integration and Knowledge Generation.
 - Invited as “Session Chair” and to present papers entitled “Gender Stereotypes regarding Anger Expression: A myth or a reality?” and poster presentation entitled “Gender Differences in Quality of Friendship in Bullies and Victims in Schools” in 6th International Conference on Psychology of Gender in Perspective: Issues and Challenges (ICPG 2016) from December 1-2, 2016 organized by National Institute of Psychology (NIP), Quaid-i-Azam University, Islamabad.
 - Invited as “Guest Speaker” in the Conference of University of Gujrat entitled “Emerging Trends, Challenges and Implementing Psychology in Community” on 8-9 December, 2016 organized by Department of Psychology, University of Gujrat, Gujrat.
 - Session Chair (Theme: Parenting and Mental Health, at 1st International Conference on Clinical Psychology and the Developing World: Issues, Challenges and Solutions at Institute of Clinical Psychology, University of Management and Technology, Lahore on March 09, 2017 and three papers presented, “Self-entitled: Regulation and Positive Development in Youth”, “Attachment Styles and Love in Long Wed Individuals” and “Self-Concept, Self-Determination and Academic Achievement in University Students with Physical Disability”.
 - Organized One Day Symposium on Psychology for Change: Women and Community to celebrate International Women’s Day on 21st March, 2017 by the Institute of Applied Psychology, University of the Punjab, Lahore.
 - Attend “One Day Symposium on HIV/AIDS” and delivered a Lecture on “Social and Psychological Issues related to AIDS” organized by the Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore on 30th March, 2017.
 - Session Chair Theme: Health in Organizational Settings at 3-Day International Conference on Health Psychology: Issues and Challenges and one paper presented “Translation, Adaptation & Validation of State-Trait Anger Expression Inventory-2 Children and Adolescents organized by Government College University, Lahore on 26th – 28th April, 2017.
- Dr. Rafia Rafique
 - Presented paper “Anthropometric and Clinical Predictors of IHD in Young Pakistani women” at the 1st International Conference on Gender on “Global Gender Perspective” (November 14-16, 2016) organized by George Washington University USA and LCWU, Lahore.



- Chaired and Presented “Work Centrality, Life Role Salience and Dyadic Adjustment in Emergency Service Providers” at the 6th International Conference of Psychology of Gender in Perspective: Issues and Challenges (December 1st and 2nd, 2016) organized by National Institute of Psychology, Quaid e Azam University Islamabad.
- Chaired at the Discussion Forum on Wellbeing of Adolescents & Youth 26th Dec, 2016. Mövenpick Hotel Karachi: A collaboration of Rutgers Pakistan and Institute of Clinical Psychology, Karachi University.
- Attended 1st International Conference on Clinical Psychology and the Developing World. Issues, Challenges and Solutions (5th March, 2017)
- Chaired the Session on Marital Relationship and Mental Health at International Conference on Psychology and the Developing World: Issues, Challenges and Solutions (9th March, 2017)
- Attended 1st National Graduate Conference (15-16th March, 2017) organized by the office of research, innovation and commercialization, Allama Iqbal Open University, Islamabad.
- Attended one Day Symposium on Women’s Day. “Psychology for Change: Women and Community”. (March, 21, 2017) organized By Institute of Applied Psychology, University Of The Punjab, Lahore.
- Attended 1st International Conference on Teaching Sociology in the Muslim World: Challenges and Remedies (21-22nd March, 2017) organized by the University of Gujrat.
- Participated in Two-Day Conference on Social Sciences in Service of Humanity (12-13th April, 2017) organized by The University of Lahore.
- Dr. Iram Fatima
 - Research paper on “Personality, stress and creativity in fine arts and science students”. 1st international conference Clinical Psychology and the Developing world: Issues, challenges and solutions, Organized by Institute of Clinical Psychology, UMT, Lahore. March 9-10 2017.
 - Research paper on “Trait forgiveness, friend ship quality and forgiveness granting communication styles in same sex friends”. 1st international conference Clinical Psychology and the Developing world: Issues, challenges and solutions, Organized by Institute of Clinical Psychology, UMT, Lahore. March 9-10 2017.
- Dr. Saima Ghazal
 - Attended 3rd International business conference entitled “Challenges and opportunities in emerging markets: Innovation in business management” held on December 7-8, 2016.
 - Attended and chaired a session of 3-Days International Conference on Health Psychology: Issues and Challenges from 24th -28th April, 2017.



- Short term and Long term Effects of Corporal Punishment in Schools: A Qualitative Analysis (Aslam, S., & Ghazal, S.) paper presented at 1st international conference on clinical psychology and the developing world: Issues, challenges and solutions, March 7-9 2017, UMT Lahore.
- Predicting Medical decision making in educated samples in Pakistan (Ghazal, S) presented at International Conference on Health Psychology: Issues and Challenges from 24th -28th April, 2017, GCU Lahore.
- Predicting Medical decision making in educated samples in Pakistan (Ghazal, S) presented at International Conference on Health Psychology: Issues and Challenges from 24th -28th April, 2017, GCU Lahore.
- Career decision making difficulties in Pakistani adolescent (Najam, B., & Ghazal, S.) presented at 3-Days International Conference on Health Psychology: Issues and Challenges from 24th -28th April, 2017
- Development of emotional regulation intervention for adolescents (Laldinn, S., & Ghazal, S) presented at International Conference on Health Psychology: Issues and Challenges from 24th-28th April, 2017, GCU Lahore.
- Increasing Emotional Intelligence: an instructional module for adolescents (Waheed, I., & Gahzal, S) presented at International Conference on Health Psychology: Issues and Challenges from 24th-28th April, 2017, GCU Lahore.
- Dr. Afsheen Masood
 - Research Paper on “Self-concept, Decision Making Styles and Career Choice among Teenagers” presented at a conference, 1st National Graduate Conference” organized by Allama Iqbal open University, Islamabad 15-16 March, 2017.
 - Research Paper on “Psychosocial barriers in Female Higher Education and Career Aspiration of Pakistani Woken” presented at a conference Teaching Sociology in Muslim World: Challenges and Remedies” organized by University of Gujrat, Gujrat 21-22 March, 2017.
 - Research Paper on “Mobile Marketing, Consumer Behavior, purchase Intensions and Consumer Satisfaction of Pakistani Women” presented at Conference on “Aligning Business with Sustainable Development – Challenges and Responsibilities for the Industry” organized by SZABIST, Islamabad 19th April, 2017.
 - Research Paper on “Social Media based Sociability at Predictor of Loneliness, Anxiety and Depression among Elderly” presented at 3-Day International Conference on Health Psychology: Issues and Challenges organized by GCU, Lahore 26-28 April, 2017.
- Dr. Mujeeba Ashraf
 - International society of political psychology (ISPP): Revisiting Core Themes of Tyranny, Intergroup Relations and Leadership Paper: "Perceived Discrimination, religious group identification and personal self-esteem among religious minority groups in Lahore, Pakistan" (Mujeeba Ashraf & Qirat Rasheed) on June 29th - July 2nd in Edinburgh, Scotland, UK.



- Ms. Afifa Anjum
 - Paper presented on "Character strengths and wellbeing of students with dual burden of study and work" in 4th International conference on research in education (ICORE) by Institute of Education and Research, University of the Punjab, Lahore, December 2016.
 - Paper presented on "Role of Character Strengths in Copying Adjustment and Subjective Wellbeing: A Longitudinal Analysis" in the International Positive Psychology Association (IPPA) 5th World Congress on Positive Psychology, Montreal, Canada, July 13-17, 2017.
- Mr. Faiz Younas
 - Naqvi, J, F., & Younas, F. Work-Family Conflict and Emotional Instability in Female College Teachers. Presented at 1st International Conference on Gender at Department of Gender and Development Studies and Women Institute for Leadership and Learning, Lahore College for Women University, Lahore, 14th -16th November, 2016.
 - Munir, M., & Younas, F. Mother's Expressiveness and Behavioral Development in Pre-School Children. Presented at 6th International Conference on Psychology of Gender in perspective: Issues and Challenges at National Institute of Psychology, Quaid-e-Azam University, Islamabad, 1st -2nd December, 2016.
- **Research Journals Publications**

List of the Papers published in Research Journals by the Faculty Members of the Institute is as under:

Sr. No.	Name of Author	Title of Paper/Article
1	Batool, S., Kausar, R., Naqvi, G., Javed, A., & Tufail, H.	Menopausal Attitude and Symptoms in Peri and Post-Menopausal Working Women. Pakistan Journal of Psychological Research, 2017, Vol. 32 (1), 55-75 (HEC X Category).
2	Ambreen, S., Bashir, N., Tarar, S., & Kausar, R.	Acoustic Analysis of Normal Voice Patterns in Pakistani Adults. Journal of Voice. http://doi.org/10.1016/j.voice.2017.003 . IF
3	Waheed, I., Batool, S. & Kausar, R.	Parents' Personality, Family Environment and Pakistani Adolescents Personality. Journal of Behavioural Sciences, Vol. 27(1), 38-56, (HEC X Category).
4	Inam, A., Kausar, R., & Abiodullah, M.	Does having a Sibling with Autism affect one's Self Concept? An Empirical Research. Isra Medical Journal, 9 (3), 166-170. (HEC X Category).



5	Majeed S., & Malik. F.,	Impact of Parental Perception and Child Temperament on Anger Expression of Children with Emotional Behavioral Problems. Pakistan Pediatric Journal, 41 (3) 144-152 (HEC Y Category).
6	Shujja S., & Malik, F., & Khan N.	Translation and Cross Validation of Children Rejection Sensitivity Questionnaire for Pakistani Adolescents. Pakistan Journal of Psychological Research, 32 (1) 297-315 (HEC X Category).
7	Majeed S., & Malik, F.	Anger Experience, Expression and Control in Children with Emotional Behavioural Problems in Comparison with Normal Children. Journal of Pakistan Psychiatric Society 14(1), 32-36 (HEC X Category).
8	Ghazal, S., Amjad, N. & Waheed, I.	Use of Critical Decision Method (CDM) in Health Settings: A Review. Journal of Pakistan Psychiatric Society. Vol. 14(1) 37-40 (HEC Y Category).
9	Tufail, S., Rafique, R., & Kamran, F.	Perceived Stigma, Social Support and Psychological Well-being in HIV Patients. Pakistan Journal of Psychiatric Society (JPPS) 14(2), 12-16 (HEC X Category).
10	Masood, A., Awais, S., Kamran, F., Rafique, R. & Mazahir, S.	Perceived Efficacy of Social Networking Sites as Tool of Learning for Medical Students. Annals of PIMS. 88-90. (HEC X Category).
11	Ishaq, G., Rafique, R., Asif, M.	Personality Traits and News Addiction: Mediating Role of Self-control. Journal of Dow University Health Sciences 11(2), 48-53 (HEC Z Category).
12	Rafique, R. Anjum, A., & Raheem, S.	Efficacy of Surah Al Rehman in Managing Depression in Muslim Women. Journal of Religion and health (Impact Factor Journal).
13	Niazi, M. & Rafique, R.	Patient Physician Trust, Emotional Distress and Self Care Activities of Adults with Type II Diabetes Mellitus. Pakistan Journal of Psychological Research. Vol. 32, 215-232. (HEC X Category).
14	Tabassum, H., Farooq, Z. & Fatima, I.	Work Family Conflict, perceived Work Overload and Work Exhaustion in Employees of Banking Sector. Pakistan Journal of Commerce and Social Sciences, Vol. 11(1), 439-451 (HEC Y Category).
15	Kamran, F., & Ghazal, S.	The Journey From Illness to Wellness: An Exploration of Sociocultural Issues After Renal Transplantation in Pakistan. Journal of Behavioural Sciences, Vol. 27(1), 127-147. (HEC X Category).



16	Cokely, E.T., Feltz, A., Ghazal, S., Allan, J.N., Petrova, D., & Garcia-Retamero, R.,	Decision Making Skill: From Intelligence to Numeracy and Expertise. In K.A. Ericsson, R.R. Haffman, A. Kozbelt & A. M. Williams (2 nd Eds.) Cambridge Handbook of Expert Performance. New York, NY: Cambridge University Press.
17	Ashraf, M. & Sitwat, A.	Personality Dimensions, Positive Emotions and Coping Strategies in the Caregivers of People Living with HIV in Lahore, Pakistan. International Journal of Nursing practice. Vol. 22, 364-374 (Impact Factor Journal).
18	Anjum, A., & Amjad, N.	Character Strengths and Well-being: A Discriminant Analyses between Young Adults from Counseling Centres and Community Samples. Pakistan Journal of Social and Clinical Psychology. Vol. 14(1), 03-14 (HEC Y Category).

○ **Research Journals (Journal of Behavioural Sciences (JBS))**

- The Institute publishes its official journal “Journal of Behavioural Sciences (JBS)” on biannual basis since 1990. JBS has blind peer review policy and is an internationally recognized journal which includes empirical studies, review articles and case studies on a wide range of topics. Higher Education Commission (HEC) of Pakistan has placed JBS in ‘X’ category. It has been indexed and cited in different well-known data bases like Ebscohost, Pro Quest, Asia net and Universal Digital Library (UDL), a Malaysian based on-line library. Recently, PsycInfo (APA) has accepted JBS for abstracting and indexing while correspondence with ISI (Thomas Reuters) is in process for indexing, abstracting and impact factor which speaks volume for the professional and research based caliber of the journal.
- Moreover, publishing of “Psychological Abstracts” is another distinguished feature of Institute. It includes abstracts of research work carried out by students and faculty members of the Institute. Four volumes of “Psychological Abstracts” have been published so far and we aim to make it a regular feature to publish Institutional Research in order to benefit researchers at home and abroad. Additional information on Institutional publication is available on the University webpage. <http://pu.edu.pk/home/journal/24>

RESEARCH COLLABORATION

○ **Indigenous**

- Prof. Dr. Rukhsana Kausar (Co-Principal Investigator), project on “Cognitive and Neurological Functioning of Elderly: A comparison of Punjab and Gilgit Baltistan” with Prof. Dr. Najma Najam, Professor Emeritus, Institute of Applied Psychology and Former Vice Chancellor, Karakoram International University in collaborative with HEC (continued).



- Prof. Dr. Rukhsana Kausar (Principal Investigator) and Dr. Nashi Khan (Co-PI) project on “Efficacy of Children and Disaster Recovery Techniques with Flood Stricken Children in Southern Punjab Pakistan” in collaborative with HEC (continued).
 - Prof. Dr. Farah Malik International Project on “Fear of Intimacy” in collaboration with Rohner Centre for Interpersonal Acceptance-Rejection, UCONN, USA funded by PU Research Funding Committee.
- **Foreign Linkages**
The Institute has foreign academic linkage with:
 - Institute has academic linkage with St. Andrew’s University, UK.
 - International Council of Professional Therapists (UK).
 - Children and War Foundation, Bergen, Norway.
 - **Funding Grants for R&D**
Every year; a huge amount is being spent on Research and Development (R&D). These funds are provided by the University of the Punjab, Lahore and Higher Education Commission (HEC).

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

- **R&D-An Overview**
The faculty of IBB enthusiastically pursuing research projects of national interests mainly concerning immunodiagnosis of viral and bacterial infections; purification and applications of industrially important enzymes; characterization of antifungal proteins of plant origin, identification of biomarkers for early diagnosis of cancer, extraction of bio pesticides from plants and molecular basis of action of these compounds, production of monoclonal antibodies, peptide hormones, interferon’s and cytokines, screening of genetic disorders in local population and nanotechnology-based detection of allergens in local environment. During the year 2016-17, the Institute had several publications to its credit. In particular, many research papers were published in international impact factor journals and the research findings were presented at the national and international forum. A highly competitive research grant was also awarded to one of the faculty member. The faculty members also received research grants, to strengthen the research activities of the Institute.
- **Publications**

Name of Faculty Member	Title of Research Paper (Review Article)	Name of Publishing Journal	Vol	Impact Factor (IF)
Amtul Jamil Sami, Madeeha Khalid, Sara Iqbal, Saira Aftab, Tahir Jamil, , Sarmad Ahmad Mangat, A. R. Shakoori .	Formulation of Novel Chitosan Guargum based Hydrogels for Sustained Drug Release of Paracetamol.	International Journal of Biological macromolecules.	2017	3.12



Amtul Jamil Sami, Madeeha Khalid, Rehman Shehzad, Sana Mughal.	Purification and Bioactivity of Placental Lactogen from water Buffalo, <i>Bubalis bubalis</i> .	Pakistan Journal of Zoology	2017	0.491
Amtul Jamil Sami, Sehrish Bilal, Madeeha Khalid, Mohammad Tahir Nazir.	Inhibition and antifeedant properties of Saponins, derived from a medicinal plant <i>Azadirachta indica</i> the Acetylcholinestrerase of <i>Tribolium castaneum</i> (Red flour beetle) and it's in silico comparison with <i>Apis mellifera</i> (Honey bee)..	Pakistan journal of zoology	(in press) 2017	0.491
Nusrat Yasmin, Mahjabeen Saleem, Mamoon Naz, Roquyya Gul and Hafiz Muzzammel Rehman.	Molecular Characterization, Structural Modeling, and Evaluation of Antimicrobial Activity of Basrai Thaumatin-like protein against fungal infection.	BioMed Research International.	Article ID 50464 5, 1- 9	2.476
Ayesha Zahid, Ammara Muazzam, Sidra Mustafa, Saba Irshad, Malik Siddique Mahmood and Rehman Shahzad.	A Novel Gap Junction Alpha 8 (GJA8) Mutation Associated with a Cingenital Cataract Paient in Pakistan.	Pakistan Journal of Zoology.	49(4): 1365-1372.	0.49
Saba Irshad, Ayesaha Ashfaq, Ammara Muazzam and Abida Yasmeen.	Antimicrobial and Anti-Prostate Cancer Activity of Turmeric (<i>Curcuma longa</i> L.) and Black Pepper (<i>Piper nigrum</i> L.) used in Typical Pakistani cuisine.	Pakistan Journal of Zoology.	49(5): 1665-1669.	0.49



Abubakar Moawia, Ranad Shaheen, Sajida Rasool, Syeda Seema Waseem, Nour Ewida, Brigit Budde, Amit Kawalia, Susanne Motameny, Kamal Khan, Ambrin Fatima, Muhammad Jameel, Fraid Ullah, Talia Akram, Zafar Ali, Uzma Abdullah, Saba Irshad	Mutations of KIFI4 Cause Primary Microcephaly by Impairing Cytokinesis. Annals of Neurology.	Accepted Article. Dated 12 th September, 2017,	Doi:10 .1002/ ana.2 5044.	9.97
Iqbal, H., Ali, M., Zeeshan, R., Mutahir, Z., Iqbal, F., Nawaz, M. A. H., Rehman, I.-U.	Chitosan/hydroxyapatite (HA)/hydroxypropylme thyl cellulose (HPMC) spongy scaffolds- synthesis and evaluation as potential alveolar bone substitutes. Colloids and Surfaces B:	Biointerfaces,	160, 553- 563.	3.88
Engelholm LH, Riaz A, Serra D, Dagnæs- Hansen F, Johansen JV, Santoni Rugiu E, Hansen SH, Niola F, Frödin M	CRISPR/Cas9 Engineering of Adult Mouse Liver Demonstrates That the Dnajb1–Prkaca Gene Fusion is Sufficient to Induce Tumors Resembling Fibrolamellar Hepatocellular Carcinoma	Gastroenterology	doi: 10.10 53/j.g astro. 2017. 09.00 8	18.187
Lindsey A. Lonowski*, Yoshiki Narimatsu*, Anjum Riaz*, Catherine E. Delay*, Francesco Niola, Zhang Yang, Katarzyna Duda, Henrik Clausen, Hans Wandall, Steen H. Hansen, Eric P. Bennett and Morten Frödin.	Genome editing using FACS enrichment of nuclease-expressing cells and indel detection by amplicon analysis.	Nat. Protocols	12(3): 581- 603)	10.032



Sattar, M.N., Iqbal, Z., Tahir, M.N., Shahid, M.S., Khurshid, M., Al-Khateeb, A.A and Al-Khateeb, S.A.	CRISPR/Cas9: A Practical Approach in Date Palm Genome Editing.	Frontiers in Plant Sciences	doi: 10.3389/fpls.2017.01469.	4.298
Syed Raheel Muzavir, Muhammad Shahbaz Aslam, Aftab Ahmad, Abdul Rauf Shakoori.	Cloning and Expression of Thymosin Alpha 1 ($T\alpha 1$) in <i>E.coli</i> .	Pak. J. Zool. (Accepted)	2017	0.48
Ayesha Pervaiz, Barizah Malik, Naeem Rashid	Enhancing Soluble Gene Expression of α -amylase <i>Bacillus licheniformis</i> and Purification of Recombinant Protein,	Advances in Life Sciences,	7 (1): 5-10.	

○ **Conferences/ Seminars/ Workshops etc.**

International Conference “Trends and Prospects in Molecular Biosciences” October 23-24, 2017

RESEARCH COLLABORATION

○ **Indigenous**

- PCSIR laboratories Lahore
- Sheikh Zayed Hospital Lahore
- Shoukat Khanum Hospital Lahore
- Inmol Hospital Lahore
- Centre of Excellence in Molecular Biology (CEMB) University of the Punjab, Lahore,
- Forensic Laboratory Lahore

SCHOOL OF BIOLOGICAL SCIENCES

○ **Research & Development**

The School of Biological Sciences, now in the 14th year of its existence, has made tremendous progress not only in terms of establishing and developing first rate infrastructure in the fields of Molecular Biology, Enzymology and Protein Chemistry, but also making significant advancement in various research projects initiated by the students for their Ph.D. degrees. All these research projects fall under the category of hard core science trying to unravel vital biological processes with strongly implicating extrapolations towards providing solutions to various economic problems of the country.



○ **Projects:** Newly launched

S.N.	Name of Researcher/ Sponsoring Agency	Title of research project with duration	Financial support	Main goals
1	Dr. Sadaf Naz Higher Education Commission	Genetics of recessively inherited stable or progressive hearing loss in Pakistan. 2016-19	Rs. 3,592,600	
2	Dr. Sadaf Naz Higher Education Commission	Genetic analysis of disease causing genes for glaucoma in Pakistani population. 2016-19	Rs.1,846,284	

○ **Publications:** Books/Edited

- TahiraBibi, Musadiq Ali, **Naeem Rashid**, Majida Atta Muhammad and Muhammad Akhtar (2017) Enhancement of gene expression in *Escherichia coli* and characterization of highly stable ATP-dependent glucokinase from *Pyrobaculumcalidifontis*. Extremophiles (in press).
- Fatima Ahsan, QuratulannAfza Gardner, **Naeem Rashid**, Greg J. Towers, Muhammad Akhtar (2017) Preventing the N-terminal processing of human interferon α -2b and its chimeric derivatives expressed in *Escherichia coli*. Bioorganic Chemistry76:294-302. doi: 10.1016/j.bioorg.2017.11.016
- Iram Aziz, **Naeem Rashid**, Raza Ashraf, Masood Ahmed Siddiqui, Tadayuki Imanaka and Muhammad Akhtar (2017) Pcal_0632, a phosphorylating glyceraldehyde-3-phosphate dehydrogenase from *Pyrobaculumcalidifontis*. Extremophileshttps://doi.org/10.1007/s00792-017-0982-7
- J. Guo, A. R. Coker, S. P. Wood, J. B. Cooper, S. M. Chohan, **Naeem Rashid** and M. Akhtar(2017) Structure and function of the thermostable L-asparaginase from *Thermococcus kodakarensis*.ActaCryst.D73, 889-895. https://doi.org/10.1107/S2059798317014711.
- Raza Ashraf, **Naeem Rashid**, Tamotsu Kanai, Tadayuki Imanaka and Muhammad Akhtar (2017) Pcal_1311, an alcohol dehydrogenase homologue from *Pyrobaculumcalidifontis*, displays NADH-dependent high aldehyde reductase activity. Extremophiles21(6):1101-1110. DOI 10.1007/s00792-017-0970-y. http://rdcu.be/wEN4
- **SumeraPerveen, Naeem Rashid**, Xiao-Feng Tang, Tadayuki Imanaka and **Anastassios C. Papageorgiou (2017)**Crystal structure and functional characterization of an anthranilatephosphoribosyltransferasefrom the hyperthermophillicarchaeon *Thermococcuskodakarensis*.FEBS Open Bio 7: 1217-1230. doi: 10.1002/2211-5463.12264.



- Munir Ahmad, Quratul Ann Afza Gardner, **Naeem Rashid**, Muhammad Akhtara (2017) Designing structural-motifs for the preparation of acylated proinsulin and their regiospecific conversion into insulin modified at Lys²⁹. *Bioorganic Chemistry* **73**: 147-153.
- Raza Ashraf, Majida Atta Muhammad, **Naeem Rashid** and Muhammad Akhtar (2017) - Cloning and characterization of thermostable GroEL/GroES homologues from *Geobacillus thermopakistanensis* and their applications in protein folding. *J. Biotech.* **254**: 9-16.
- Furqan Sabir, Muhammad Tayyab, Bushra Muneer, Abu Saeed Hashmi, Ali Raza Awan, **Naeem Rashid**, Muhammad Wasim and Sehrish Firyal (2017) Characterization of recombinant thermostable phytase from *Thermotoga naphthophila*: a step for the fulfilment of domestic requirement of phytase in Pakistan. *Pak. J. Zool.* **49**: 1945-1951.
- Majida Atta Muhammad, Samia Falak, **Naeem Rashid**, Qurra-tul-Ann Afza Gardner, Nasir Ahmad, Tadayuki Imanaka and Muhammad Akhtar (2017) *Escherichia coli* signal peptidase recognizes and cleaves archaeal signal sequence. *Biochemistry (Moscow)* **82**: 821-825. DOI: 10.1134/S0006297917070070
- Jingxu Guo, Wenling Zhang, Alun R. Coker, Steve P. Wood, Jonathan B. Cooper, Shazeel Ahmad, Syed F. Ali, **Naeem Rashid** and Muhammad Akhtar (2017) Structure of the family B DNA polymerase from the hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Acta Cryst.* **D73**: 420-427.
- Saadia Basheer, **Naeem Rashid**, Raza Ashraf, Muhammad Sohail Akram, Masood Ahmed Siddiqui, Tadayuki Imanaka and Muhammad Akhtar (2017) Identification of a novel copper activated and halide tolerant laccase in *Geobacillus thermopakistanensis*. *Extremophiles* **21**: 563-571. DOI: 10.1007/s00792-017-0925-3
- Iram Aziz, **Naeem Rashid**, Raza Ashraf, Qamar Bashir, Tadayuki Imanaka and Muhammad Akhtar (2017) Pcal_0111, a highly thermostable bifunctional fructose-1,6-bisphosphate aldolase/phosphatase from *Pyrobaculum calidifontis*. *Extremophiles* **21**: 513-521. DOI: 10.1007/s00792-017-0921-7
- N. Mills-Davies, D. Butler, E. Norton, D. Thompson, M. Sarwar, J. Guo, R. Gill, N. Azim, A. Coker, S. P. Wood, P. T. Erskine, L. Coates, J. B. Cooper, **N. Rashid**, M. Akhtar and P. M. Shoolingin-Jordan (2017) Structural studies of substrate and product complexes of 5-aminolaevulinic acid dehydratase from humans, *Escherichia coli* and the hyperthermophile *Pyrobaculum calidifontis*. *Acta Cryst.* **D73**: 9–21.
- Majida A MUHAMMAD, Samia FALAK, Naeem RASHID, Nasir AHMED, Qurra-tul-Ann A GARDNER, Anam TARIQ and Muhammad AKHTAR (2017) Complete signal peptide of Tk1884, an α -amylase from *Thermococcus kodakarensis*, is not necessary for extracellular secretion of the enzyme by *Escherichia coli*. *Amylase* **1**: 75-81.
- Shahid Mahmood Chohan, Muhammad Atif Nisar, **Naeem Rashid**, Ghazaleh Gharib, Qamar Bashir and Masood Ahmed Siddiqui (2016) TK1656, an L-asparaginase from *Thermococcus kodakarensis*, a novel candidate for therapeutic applications. *Biologia* **71**: 1315–1319.



- Raza Ashraf, **Naeem Rashid**, Saadia Basheer, Iram Aziz, and Muhammad Akhtar (2016) Glutathione dependent formaldehyde dehydrogenase homologue from *Bacillus subtilis* strain R5 is a propanol preferring alcohol dehydrogenase. *Biochemistry (Moscow)* **82**: 13–23.
- Sumera Perveen, **Naeem Rashid** and Anastassios C. Papageorgiou (2016) Crystal structure of a phosphoribosyl anthranilate isomerase from the hyperthermophilic archaeon *Thermococcus kodakaraensis*. *Acta Cryst.* **F72**: 804–812.
- Saba Riaz, Muhammad Faisal Bashir, Saleem Haider and **Naeem Rashid** (2016) Association of genotypes with viral load and biochemical markers in HCV-infected Sindhi patients. *Braz. J. Microbiol.* **47**: 980–986.
- Tahira Bibi, Sumera Perveen, Iram Aziz, Qamar Bashir, **Naeem Rashid**, Tadayuki Imanaka, Muhammad Akhtar (2016) Pcal_1127, a highly stable and efficient ribose-5-phosphate pyrophosphokinase from *Pyrobaculum calidifontis*. *Extremophiles* **20**: 821–830. DOI:10.1007/s00792-016-0869-z
- Sumaira Mehboob, Nasir Ahmad, **Naeem Rashid**, Tadayuki Imanaka, Muhammad Akhtar (2016) Pcal_0768, a hyperactive 4- α -glucanotransferase from *Pyrobaculum calidifontis*. *Extremophiles* **20**: 559–566.
- Shahzada Nadeem Abbas, Kenneth Hun Mok, **Naeem Rashid**, Yongjing Xie, Manuel Ruether, John O'Brien, and Muhammad Akhtar (2016) NMR studies on mechanism of isomerisation of fructose 6-phosphate to glucose 6-phosphate catalysed by phosphoglucose isomerase from *Thermococcus kodakaraensis*. *Bioorganic Chemistry*. **66**: 41–45.
- Ayesha Mazhar, Farrukh Jamil, Qamar Bashir, Munawar Saleem Ahmad, Misbah Masood, Imrana Tanvir, **Naeem Rashid**, Abdul Waheed, Muhammad Naveed Afzal, Muhammad Akram Tariq (2016) Genetic variants in FGFR2 and TNRC9 genes are associated with breast cancer risk in Pakistani women. *Mol. Med. Rep.* **14**: 3443–3451. DOI: 10.3892/mmr.2016.5633
- Ghazaleh Gharib, **Naeem Rashid**, Qamar Bashir, Qurra-tul-Ann Afza Gardner, Muhammad Akhtar and Tadayuki Imanaka (2016) Pcal_1699, an extremely thermostable malate dehydrogenase from hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Extremophiles*. **20**: 57–67. 10.1007/s00792-015-0797-3.
- Amina Arif, **Naeem Rashid**, Farheen Aslam, Nasir Mahmood and Muhammad Akhtar (2016) Biased expression, under the control of single promoter, of human interferon α -2b and *Escherichia coli* methionine amino peptidase genes in *E. coli*, irrespective of their distance from the promoter. *Pak. J. Pharm. Sci.* **29**: 375–379.
- YPBJI, Mehwish Khan, **Javed Iqbal (2017)** Development of an RAPD-based SCAR marker for smut disease resistance in commercial sugarcane cultivars of Pakistan. *Crop Protection* **94**(1):166-172
- Khushi Muhammad, Altaf Hussain, Waqar Ahmad, Habib Ahmad, Ayaz Khan, Muhammad Shahid Nadeem, Iqbal Ahmad Qarshi, Youxiong Que, **Javed Iqbal (2017)** DNA Finger printing of essential commercialized medicinal plants from Pakistan. *American Journal of Plant Sciences*



- JI Md. Shah Kamal Khan, Muhammad Saeed, **Javed Iqbal (2016)** Association mapping validates previously identified quantitative trait loci for salt tolerance in rice (*Oryza sativa*L.) *Mol Breeding* 36(12) 172-183.
- J Khan Md, Shah Kamal, Saeed M & **Javed Iqbal (2016)** Quantitative trait locus mapping for salt tolerance at maturity stage in indica rice using replicated F2 population *Braz. J. Bot.* 39 641-650
- ALI, A., GALE, R.E. AND **SHAKOORI, A. R.**, 2017. Detection of FLT3/TKD and IDH1 mutations in Pakistani acute myeloid leukemia patients by denaturing HPLC. *J. Cell. Biochem.*, Volume 118, Issue 5, May 2017, Pages: 1174–1181. DOI 10.1002/jcb.25761.
- SAMI, A.J., KHALID, M., IQBAL, S., AFZAL, M. AND **SHAKOORI, A.R.**, 2017. Synthesis and Application of Chitosan-Starch Based Nanocomposite in Wastewater Treatment for the Removal of Anionic Commercial Dyes *Pakistan J. Zool.*, **49**: 21-26.
- ADALAT, R., SALEEM, F., CRICKMORE, N., NAZ, S. and **SHAKOORI, A.R.**, 2017. In vivo crystallization of threedomain Cry toxins. *Toxins*, 9, 80; doi: 10.3390/toxins9030080
- MUSHTAQ, R., BEHLE, R., LIU, R., NIU, L., SONG, P., **SHAKOORI, A.R.**, JURAT-FUENTES, J.L., 2017. Activity of *Bacillus thuringiensis* Cry1Ie2, Cry2Ac7, Vip3Aa11 and Cry7Ab3 proteins against *Anticarsia gemmatilis*, *Chrysodeixis includens* and *Ceratomatrifurcata*. *J. Inverteb. Pathol.*, **150**: 70-72.
- TASNEEM, F., SHAKOORI, F.R. AND **SHAKOORI, A.R.**, 2017. Phylogenetic relationship of locally isolated Paramecium species inferred from Histone H4 genes. *Pakistan J. Zool.*, **49**: 1767-1774.
- ZAHID, M.T., SHAKOORI, F.R., ZULFIQAR, S., AHMAD, I., AL-GHANIM, K., MEHBOOB, S. AND **SHAKOORI, A. R.**, 2016. Molecular characterization of a copper metallothionein gene from a ciliate *Tetrahymena farahensis*. *J. cell. Biochem.*, DOI 10.1002/jcb.25484. *J. Cell. Biochem.*, **117**: 1843-1854.
- MURTAZA, B.N., DOAK, S., MORGAN, C., NADEEM, M.S., AL-GHANIM, K.A. AND **SHAKOORI, A. R.**, 2016. A crosstalk between K ras (Kirsten Rat Sarcoma Viral Oncogene Homologue) and adherence molecule complex leads to disassociation of cells – a possible contribution towards metastasis in colorectal cancer. *J. Cell. Biochem.*, DOI 10.1002/jcb.25531 *J. Cell. Biochem.*, **117**: 2340-2345.
- SAMI, A.J., BILAL, S., KHALID, M., SHAKOORI, F.R., REHMAN, F.U., AND **SHAKOORI, A. R.**, 2016. Effect of crude neem (*Azadirachta indica*) powder and Azadirachtin on the growth and acetylcholinesterase activity of *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *Pakistan J. Zool.*, **48(3)**: 781-787.
- SALEEM, F., AMJAD, Q., KALEEM, A., ABDULLAH, R., IQTEDAR, M., NAZ, S. AND **SHAKOORI, A. R.**, 2016. In silico analysis of loop residues of the receptor binding domain of *Bacillus thuringiensis* Cry2Ac11 toxin. *Pakistan J. Zool.*, **48(3)**: 821-828.
- MUNEEB, B., LALI, T., IQBAL, M.J., SHAKOORI, F.R. AND **SHAKOORI, A. R.**, 2016. Arsenic processing of yeast isolates IIB-As1 and IIB-As2 and production of glutathione under stress conditions. *J. Basic Microbiol.*, DOI: 10.1002/jobm.201600092.



- TASADDUQ, R., GORDON, J., AL-GHANIM, K.A., LIAN, J.B., VAN WIJNEN, A.J., STEIN, J.L., STEIN, G.S., AND **SHAKOORI, A. R.**, 2016. Ethanol extract of *Cissus quadrangularis* enhances osteoblast differentiation and mineralization of murine pre-osteoblastic MC3T3-E1 Cells. *J. Cell. Physiol.*, DOI: 10.1002/jcp.2525449.
- ANJUM, F., SHAKOORI, F.R., AL-GHANIM, K.A., AND **SHAKOORI, A. R.**, 2016. Effect of inorganic mercury on drug metabolizing enzymes of promethazine-pretreated and phenoibartitone-pretreated male rabbit. *Pakistan J. Zool.*, **48(5)**: 1485-1494.
- MUNEEB, B., IQBAL, M.J., SHAKOORI, F.R. AND **SHAKOORI, A. R.**, 2016. Isolation, identification, and cadmium processing of *Pseudomonas aeruginosa* (EP-Cd1) isolated from soil contaminated with electroplating industrial wastewater. *Pakistan J. Zool.*, **48(5)**: 1495-1502.
- KHAN, Z., REHMAN, A., HUSSAIN, S.Z., NISAR, M.A., ZULFIQAR, S. AND **SHAKOORI, A. R.**, 2016. Cadmium resistance and uptake by bacterium, *Salmonella enterica* 43C, isolated from industrial effluent. *AMB Expr* (2016)6:54. DOI 10.1186/s13568-016-0225-9
- SAMI, A. J., KHALID, M., IQBAL, S., AFZAL, M. AND **SHAKOORI, A. R.**, 2016. Synthesis and application of chitosan-starch based nanocomposite in wastewater treatment for the removal of anionic commercial dyes. *Pakistan J. Zool.*, DOI <http://dx.doi.org/10.17582/journal.pjz/2016.xx.xxx.xxx>.
- ZAHID, A. AND **SHAKOORI, A. R.**, 2016. Frequency of E6 and E7 oncogenes of human papillomavirus types 16 and 18 in cervical cancer patients in Pakistani women. *Pakistan J. Zool.*, **48 (6)** : 1911-1917.
- QAYYUM, A., NAGI, A.H., MURTAZA, B.N. AND **SHAKOORI, A. R.**, 2016. Prevalence of colorectal adenocarcinoma in northern regions of Pakistan: A cross sectional study. *Pakistan J. Zool.*, **48 (6)** : 1885-1890.
- RAUF, A., NADEEM, M.S., KHAN, J.A., MUHAMMAD, K., AND **SHAKOORI, A. R.**, 2016. Highly immunogenic recombinant HBV core protein from Pakistani isolates: A potential candidate vaccine for hepatitis B in Pakistan. *Pakistan J. Zool.*, **48 (6)** : 1919-1924.
- ALI, A., GALE, R.E. AND **SHAKOORI, A. R.**, 2016. Detection of FLT3/TKD and IDH1 mutations in Pakistani acute myeloid leukemia patients by denaturing HPLC. *J. Cell. Biochem.*, DOI 10.1002/jcb.25761.
- Saba Ghazanfar, Iram Fatima, Muhammad Aslam, Syed Ghulam Musharraf, Nicholas E. Sherman, Christopher Moskaluk, Jay W. Fox, **M. Waheed Akhtar** 2017 Saima Sadaf. Identification of actin beta-like 2 (ACTBL2) as novel, upregulated protein in colorectal cancer. *Journal of Proteomics*. 152, 33-40.
- Iram Fatima, Saima Sadaf, Syed Ghulam Musharraf, Naghma Hashmi and **Muhammad Waheed Akhtar**. 2017 CD5 molecule-like and transthyretin as putative biomarkers of chronic myeloid leukemia - an insight from proteomic analysis of human plasma. *Scientific Reports*. DOI: 10.1038/srep40943.



- Shaista Bashir, Mudassir Iqbal, Saima Sadaf , **M. Waheed Akhtar. 2017** Synonymous codon changes at the 5'-end of the gene strongly impact the heterologous protein expression in *Escherichia coli*. *Applied Biochemistry and Microbiology*. 53 (3), 296–303.
- Sana Khurshid, Madeeha Afzal, Ruqyya Khalid, **Muhammad W Akhtar** and Mahmood H Qazi. **2017** Potential of multi-component antigens for tuberculosis diagnosis. *Biologicals*.
- Razia Tajwar, Sahar Shahid, **M. Waheed Akhtar. 2017**. Impact of orientation of carbohydrate binding modules family 22 and 6 on the catalytic activity of *Thermotoga maritima* xylanase XynB. *Enzyme Microbial Technology* (in press).
- R Khalid, M Afzal, S Khurshid, RZ Paracha, IH Khan, **MW Akhtar (2016)** Fusion Molecules of Heat Shock. 22 Protein HSPX with Other Antigens of Mycobacterium tuberculosis Show High Potential in Serodiagnosis of Tuberculosis. *PLOS ONE* 11 (9), e0163349.
- Shaista Bashir, Mudassir Iqbal, Saima Sadaf , **M. Waheed Akhtar (2016)** Synonymous codon changes at the 5'-end of the gene strongly impact the heterologous protein expression in *Escherichia coli*. *Applied Biochemistry and Microbiology* (in press).
- **Sadaf Naz 2017** The Finnish founder mutation c.70 A>G in *RMRP* causes cartilage-hair hypoplasia in a Pakistani family. *Clinical Dysmorphology* 26:121-123
- **Sadaf Naz 2017** Genetic causes of moderate to severe hearing loss point to modifiers. *Clinical Genetics* 91:589-598.
- **Sadaf Naz 2017** TFG associated hereditary spastic paraplegia: an addition to the phenotypic spectrum. *Neurogenetics* 18:105-109.
- **Sadaf Naz 2017** A novel mutation in *ALS2* associated with severe and progressive infantile onset of spastic paralysis. *Journal of Neurogenetics*. 31:26-29
- Imtiaz A, Maqsood A, Rehman AU, Morell RJ, Holt JR, Friedman TB, **Naz S. 2016** Recessive mutations of *TMC1* associated with moderate to severe hearing loss. *Neurogenetics*. 17:115-123
- Lohmann K, Schlicht F, Svetel M, Hinrichs F, Zittel S, Graf J. Lohnau T, Schmidt A, Mir P, Krause P, Lang AE, Jabusch HC, Wolters A, Kamm C, Zeuner KE, Altenmüller E **Naz S, Chung SJ, Kostic VS, Münchau S, Kühn AA, Brüggemann N, Klein C. 2016** The role of mutations in *COL6A3* in isolated dystonia. *J Neurology*. 263:730-734
- Iram Aziz, Naeem Rashid, Raza Ashraf, **Qamar Bashir**, Tadayuki Imanaka and Muhammad Akhtar (2017) Pcal_0111, a highly thermostable bifunctional fructose-1,6-biophosphate aldolase/phosphate from *Pyrobaculum calidifontis*. *Extremophiles* 21(3):513-521.
- Haji Muhammad, Zafar Iqbal and **Qamar Bashir (2017)**. Genetics polymorphism among five species of Indus River carps on the basis of random amplified polymorphic DNA (RAPD) analysis. *Rend. Fis. Acc. Lincei*. 28:73-80.



- Haji Muhammad, Zafar Iqbal, **Qamar Bashir** and Muhammad Amir Hanif (2017) Length-weight relationship and condition factor of cat fish species from Indus River, Pakistan. *Punjab Univ. J. Zool.* 32:35-38.
- Nisa, M-U., Munawar, M.A., Iqbal, A., Ahmed, A., Ashraf, M., **Gardner, Q.A.**, Khan, M.A. **2017** Synthesis of novel 5- (aroylhydrazinocarbonyl) escitalopram as cholinesterase inhibitors. *European Journal of Medicinal Chemistry.* 138: 396-406
- Ahmad, M., **Gardner Q.A.**, Rashid, N & Akhtar M. **2017** Designing structural-motifs for the preparation of acylated proinsulin and their regiospecific conversion into insulin modified at Lys²⁹(K²⁹). *Bioorganic Chemistry.* 73: 147-153
- Muhammad, M.A., Falak, S., Rashid, N., **Gardner, Q.A.**, Nasir Ahmad, Imanaka, T. and Akhtar. **2017** *Escherichia coli* Signal Peptidase Recognized and Cleaves Archaeal Signal Sequence. *Biochemistry (Moscow).* 82: 821-825
- Gharib, G., Rashid, N., Bashir, Q., **Gardner, Q. A.**, Akhtar, M. and Imanaka, T. **2016** Pcal₁₆₉₉, an extremely thermostable malate dehydrogenase from hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Extremophiles.* 20(1):57-67
- Asima Tayyeb, **Naveed Shahzad**, Gibran Ali **2017**. Differentiation of Mesenchymal Stem Cells Towards Nephrogenic Lineage and Their Enhanced Resistance to Oxygen Peroxide-induced Oxidative Stress. *Iranian journal of kidney diseases.* 11.
- Muhammad Usman Qamar, Sidrah Saleem, Usman Arshad, Muhammad Farhan Rasheed, Hasan Ejaz, **Naveed Shahzad** & Shah jahan **2017**. Antibacterial Efficacy of Manuka Honey against New Delhi Metallo- β -Lactamase Producing Gram Negative Bacteria Isolated from Blood Cultures. *Pakistan J. Zool.* 49(6).
- **Naveed Shahzad 2016**. Distribution and Phylogenetic Analysis of Bacterial Isolates from Urinary Tract Infection Patients of Pakistan. *Pak Journal of Zoology.* Vol. 48
- **Naveed Shahzad 2016**. Molecular and Serological Detection of Avian Influenza H9N2 Virus in Asymptomatic Commercial Layers in Faisalabad District, Pakistan. *Pak Journal of Zoology.* Vol. 49
- **Uzma Qaisar 2017**. Management of Fusarium wilt of tomato by soil amendment with *Cenchrus peenisetiformis* under chromium stress. *Physiological and Molecular Plant Pathology.* Vol. 97.
- **Uzma Qaisar 2017**. Studies on involvement of Wrinkled1 transcription factor in the development of extra-long staple in cotton. *Indian Journal of Genetics and Plant Breeding.* Vol. 77
- **Uzma Qaisar 2016** Fungicidal potential of allelopathic weed *Cenchrus peenisetiformis* on growth of *Fusarium oxysporum* f. sp. *lycopersici* under chromium stress. *Planta Daninha.* Vol. 34
- **Uzma Qaisar 2016**. The *Pseudomonas aeruginosa* extracellular secondary metabolite Paerucumarin, chelates iron and is not localized to extracellular membrane vesicles. *Journal of Microbiology.* Vol. 54



- **Uzma Qaisar 2016.** Antifungal activity of ethyl acetate sub-fraction of methanolic extracts of *Cenchrus pennisetiformis* in the presence of cr (iii) and cr (vi). Pakistan Journal of Phytopathology. Vol. 28
- **Asima Tayyab 2016.** Invitro differentiated hepatic oval-like cells enhance hepatic regeneration in CC14-induced hepatic injury. Cell Biology International Journal. Vol. 40(11).
- **Asima Tayyab 2016** Distribution and Phylogenetic Analysis of Bacterial Isolates from Urinary Tract Infection Patients. Pak Journal of zoology. 48(6). 1925-1930.

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Research & Development**

Since its inception, CAMB is engaged to carry out the goal oriented research in the diversified fields of Molecular Biology related to economic needs of the country for agriculture, health & medicine. CAMB, as a renowned scientific research entity of the University of the Punjab, encourages the osmosis of research from Lab into different sectors of the society. It strives to provide a suitable environment and encourages researchers to work on collaborative research projects to advance knowledge, to propose solutions to some of the major issues of today and to develop new technologies for the future. During 2016-17, the major research work was carried in the following domains.

- mRNA expression studies in anti-viral drug treated patients.
- Genetic variations studies of different genetic markers in various groups of Pakistani population.
- Studies related to production of alpha-amylase enzyme (industrial enzyme).
- Studies related to the cancer and asthma diseases.
- In addition to the goal oriented research and development, CAMB is also serving the community through rendering its following analytical testing services
 - Forensic DNA analysis for Crime Investigation:
 - The centre is providing services to the Law enforcement agencies & Courts for DNA analysis in criminal & paternity cases.
 - PCR based Molecular diagnosis of most prevalent infectious diseases:
 - CAMB is providing PCR based diagnostic services to different hospitals and general public for the diagnosis of Hepatitis B and Hepatitis C.
 - DNA sequencing & Genotyping:
 - This facility of the centre is the core facility for DNA sequencing & genotyping in the country and is providing DNA sequencing & Genotyping services to researchers of public & private universities of the country.

The whole set up of CAMB represents a unique and most economical mode to optimally utilize the extremely limited resources of personnel and materials.



- **Projects: Completed**
 - 15 research projects of worth Rs. 1.775 Millions, funded by University of the Punjab, have been completed in year 16
 - Five research projects of Rs. 2.5 Millions, funded by HEC, have been completed by the five IPFP faculty of CAMB during the reporting period
- **Newly launched**
The new projects are in the process of approval
- **Publications: Books/ Edited**
Khawar M.B., Fatima F., Abbasi M.H., Mehmood R., Kainat S., SHEIKH N. 2017, Head and Neck Cancer: Epidemiology and Role of MicroRNAs. InTech, Croatia. (Book Chapter)
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
 - Organized a seminar on “Advances in Nucleic Acid Technology” at Centre for Applied Molecular Biology, university of the Punjab, Lahore on 01-09-2016.
 - CAMB jointly organized (with Institute of Biochemistry & Biotechnology, University of the Punjab) 4-days” Hands on Training Workshop on Clinical Diagnostics (Oct 18-21, 2016)”.
 - Organized an awareness seminar on “Lungs and Bronchial Diseases” at CAMB on 17.11.2016.
 - Participated in national Conference on “Latest Trends in Domestic and Wild Animal Genomic and Biotechnology” held from November 21-22, 2016 at Virtual University, Lahore.
 - Attended a workshop on “Drug Discovery and Development” at CIIT, Islamabad from 21-12-16 to 23-12-16.
 - Attended a 2-Days Training Session on Drafting Patents (11-12 January, 2017) at CIIT, Islamabad
 - Attended 2-days workshop on “Writing Winning Research Proposals” at COMSATS institute of Information Technology, Islamabad on January 30-31, 2017.
 - Attended 3-days hands-on training workshop on “Next Generation Solutions Data Analysis” held from 01-02-17 to 03-02-17 at COMSATS, Islamabad.
 - International conference on “Role of Genomic Variants in the Predisposition of Asthma in Pakistan” held on 09-02-17 at University of South Asia, Lahore.
 - Participated in International Workshop on “Microarray for Gene Expression” held on 14-02-17 to 17-02-17 at CEMB, Lahore.
 - Oral presentation in 2nd International Biennial Cardiorespiratory Conference held from 03-03-17 to 05-03-17 at Gulab Devi Chest Hospital, Lahore
 - Provided 4-weeks training on “Forensic Serology & DNA” from March 06 – April 02, 2017 to Mr. Muhammad Tahir Khan, Forensic Science Laboratory Peshawar.



- CAMB exhibited its products and services in the 6th Inventions to Innovation Summit 2017 held at university of the Punjab Lahore on March 08-09, 2017 and won the awards on two projects.
- Attended a training on “Quality Assurance and Governance” at HEC, Islamabad from April 10-12, 2017)
- Attended one Training Course on Solid Waste Management AT NCRD from 10-14 April, 2017.
- Attended a seminar on World Intellectual Property Day on April 29, 2017 at Faletti’s Hotel Lahore
- Organized one day awareness seminar on “Drugs and Anti-Narcotics” at University of the Punjab, Lahore on May, 04 2017.

○ **Research Journals**

Sr. No.	Name of Author	Title of Paper/Article	Name of Journal	Year	Impact Factor	HEC Recognize
1.	Ghulam Zahara Jahangir, Faiza Saleem, Shagufta Naz, Neelma Munir, Rukhama Haq, and Aleena Sumrin	Thyroid hormone dependent gene expression.	Advancement in Life Sciences	2016	---	✓
2.	Javed, Zeeshan, Mukhtar Ullah, Hafiz Ahsan Ashfaq, Afzaal Hussain Shah, Muhammad Shahzad, Muhammad Bilal, Aleena Sumrin, Hamid Bashir, Muhammad Hassan Siddiqi, and Haleema Sadia.	Role of MicroRNA in Endometrial Carcinoma	Advancement in Life Sciences	2016	---	✓
3.	Wardah Safdar, Maria Aftab, Beenish Saddique, Irsa Akhtar, Hamid Bashir, Muhammad Bilal, Aleena Sumrin	Methodological development of cytokine as a biomarker.	International Journal of Biosciences	2016	---	---
4.	Muhammad Usman Mirza, Shazia Rafique, Amjad Ali, Mubeen Munir, Nazia Ikram, Abdul Manan, Outi M. H. Salo-Ahen & Muhammad Idrees	Towards peptide vaccines against Zika virus: Immunoinformatics combined with molecular dynamics simulations to predict antigenic epitopes of Zika viral proteins	Nature Scientific Report	2016	5.525	✓
5.	Baira Wahid, Amjad Ali, Shazia Rafique and Muhammad Idrees.	Immunotherapeutic strategies for sexually transmitted viral infections HIV, HSV and HPV.	Cellular Immunology	2016	3.172	✓
6.	Baira Wahid, Amjad Ali, Shazia Rafique and Muhammad Idrees.	Zika: As an emergent epidemic. Asian pacific	Cellular Immunology	2016	3.172	✓
7.	Kausar Malik, Hamid Bashir, Muhammad Bilal, Husnain Qamar, Zaid Mehmood.	In vitro evaluation of synergistic antimicrobial activity of Trachyspermum ammi and Syzygium aromaticum.	International Journal of Biosciences	2016	---	---
8.	Saima Younas, Iram Amin, Muhammad Shahid, Zareen Fatima and Muhammad Idrees	Detection of <i>Salmonella enteric</i> , Subsp. <i>enterica</i> serovar <i>Typhi</i> in Dengue Virus Seropositive Samples	Pakistan Journal of Zoology	2016	0.404	✓
9.	Ghulam Zahara Jahangir, Durre Shahwar Ashraf, Idrees Ahmad Nasir, Madeha Sadiq, Sobia Shahzad, Farah Naz, Muhammad Iqbal, and Afifa Saeed	The myth of oral hygiene and mouthwashes.	Springerplus	2016	1.130	✓



10.	Javed Iqbal Wattoo, Muhammad Zafar Saleem, Muhammad Saqib Shahzad, Amina Arif, Amir Hameed, Mushtaq Ahmad Saleem	DNA barcoding: Amplification and sequence analysis of rbel and matK genome regions in three divergent plant species	Advancement in Life Sciences	2016	---	✓
11.	Majeed RA, Shahid AA, Saleem MZ, Asif M., Zahid MA and Haider MS.	First report of <i>Curvularia tuberculata</i> causing brown leaf spot of rice in Punjab, Pakistan.	Plant Disease	2016	3.173	✓
12.	Fatima N, Akhtar T, Sheikh N	Prebiotics: A Novel Approach to Treat Hepatocellular Carcinoma	Canadian Journal of Gastroenterology and Hepatology	2017	2.149	✓
13.	Muhammad Babar Khawar, Maryam Mukhtar, Mudassar Hassan Abbasi and Nadeem Sheikh	IL-320: A recently identified anti-inflammatory variant of IL-32.	American Journal of Translational Research	2017	2.829	✓
14.	Abbasi, M.H. Fatima S., Khawar M.B., N. Naz N., Mujeeb K.A., Akhtar T. and Sheikh N.	Dose dependent Acute Phase Response (APR) of aqueous leaves decoction of <i>Nerium oleander</i> in wistar rats.	Journal of Biological Regulators & Homeostatic Agents	2017	1.469	✓
15.	Shahzadi Javeed, Maha Almas, Muhammad Shahid, Aleena Sumrin, Hamid Bashir, Muhammad Bilal, Zafar Saleem, Ghulam Zahara Jahangir, Samia Afzal, Muhammad Idrees and Iram Amin	Review Nrf2: A master regulator of cellular defense mechanism and a novel therapeutic factor	Advancements in Life Sciences	2017	---	✓
16.	Muhammad Ferhan	Coordination complexes with lignin-based nanoparticles in targeted drug controlled release and their molecular expression in cell lines	Novel approaches in drug designing & development	2017	---	---
17.	Muhammad Zafar Saleem, Abdul Munim Farooq, Idrees Ahmad Nasir, Qurban Ali and Tayyab Husnain	Cold tolerance of plant antifreeze proteins: a review.	International Journal of Biology, Pharmacy and Allied Sciences	2017	3.879	✓
18.	Baira Wahid, Sana Usman, Amjad Ali Shazia Rafique and Muhammad Idrees	Therapeutic Strategies of Clustered Regularly Interspaced Palindromic Repeats-Cas Systems for Different Viral Infections	Viral Immunology	2017	1.432	✓
19.	Nosheen Nazir, Muhammad Rasool Jan , Amjad Ali, Muhammad Asif, Muhammad Idrees	Prevalence of hepatitis-C virus genotypes and potential transmission risks in Malakand Khyber Pakhtunkhwa, Pakistan.	Virology	2017	3.353	✓
20.	Amjad Ali, Baira Wahid, Shazia Rafique and Muhammad Idrees	Advances in research on Zika virus	Asian Pacific Journal of Tropical Medicine	2017	0.925	✓
21.	Baira Wahid, Amjad Ali, Shazia Rafique and Muhammad Idrees	New Insights into the Epigenetics of Hepatocellular Carcinoma	Biomed Research International	2017	2.476	✓
22.	Sajjad Ullah, Muhammad Aslam Khan, Amjad Ali and Muhammad Idrees	Causes of deafness in the Punjab region of Pakistan and the role of consanguinity	Public Health	2017	1.538	✓
23.	Baira Wahid, Amjad Ali, Shazia Rafique and Muhammad Idrees	Rising relapse rate in hepatitis C virus type 3a-infected patients against sofosbuvir and ribavirin combination therapy: a Pakistani experience	European Journal of gastroenterology & Hematology	2017	1.968	✓



24.	Baira Wahid, Amjad Ali, Shazia Rafique and Muhammad Idrees	Global expansion of chikungunya virus: mapping the 64-year history	International Journal of Infectious Diseases	2017	2.532	✓
25.	Ahmed, Nadeem, Rabbia Abbas, Mohsin Ahmad Khan, Hamid Bashir, Saad Tahir, and Ahmad Usman Zafar	Enhancing recombinant interleukin-6 production yield by fermentation optimization, two steps denaturing (2DR) and one step purification.	Biotechnology and Applied Biochemistry	2017	1.413	✓
26.	Muhammad Usman Ghani, Muhammad Farooq Sabar, Mariam Shahid, Farheena Iqbal Awan, Muhammad Akram	A report on Asthma Genetics Studies in Pakistan	Advancement in Life Sciences	2017	---	✓
27.	Manzoor Hussain	Effect of Post-coital intervals on DNA STR profiling of semen donor in the post-coital vaginal swabs	Journal of Zoology	2017	0.491	✓
28.	Akram AM, Iqbal Z, Akhtar T, Khalid AM, Sabar MF, Qazi MH, Aziz Z, Sajid N, Aleem A, Rasool M, Asif M.	Presence of novel compound BCR-ABL mutations in phase imatinib sensitive CML patients indicates their possible role in CML progression	Cancer Biology and Therapy	2017	3.294	✓

RESEARCH COLLABORATION

○ Indigenous

- University of Lahore for research project.
- Institute of Nuclear Medicine and Oncology Lahore.
- Lahore College for Women University, Lahore
- PCSIR laboratories Lahore.
- Sir Ganga Ram Hospital, Lahore
- Mayo Hospital, Lahore
- Children Hospital, Lahore

○ Foreign Linkages

Department of Internal Medicine, Division of Gastroenterology, George August University Göttingen, Germany.

○ Funding grants for R&D

Major part of funding was met through centre's own resources (earnings through commercial activities)

EVALUATION AND UPGRADATION OF RESEARCH LABORATORIES (EURL)

○ Projects: Newly launched

The Office of Director, **Evaluation and Upgradation of Research Laboratories (EURL)** has established by Worthy Vice Chancellor vide office order No. 22855-60/Est-II dated 15.09.2017. The objective of the Office of EURL is to assist faculty in their research. The office will judge the merits/worth of the research program, for their extension and applications. Strategies will be devised for the up gradation of research laboratories, at following three different levels:

- Upgradation of laboratories by providing latest technology and instrumentation.
- Upgradation by training research/technical staff.
- Upgradation by improving infrastructure.



- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation+Poster Presentation)
 - A Training Course on Essential Lab Skills in Life Sciences from Theory to Bench in Microbiology, Molecular biology and Protein Purification under EURL was held.
 - Initial working to launch the official online journal of EURL office for the dissemination of knowledge is underway. The scope of the journal is kept broad therefore the title is selected as Journal of Biology, Allied Sciences And Medicine

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

- **Projects:** Completed

Name of Researcher	Topic of Research	Sponsoring Agency	Approved Amount	Status
Dr. Abdul Majid Nadeem	"اللهجات العربية في الإمارات"	P.U. Lahore	150000-/-	Continue
Dr. Abdul Qadeer	(A Study and Critical Editing of the text of "Riadh ul Faith" by Maulana Faith ul Hassan Saharanpuri)	P.U. Lahore	150000-/-	Continue

- **Publications**

Authors Name	Article Name	Journal with Date	Sponsoring Agency
Prof. Dr. Khaliq Dad Malik	مدى تأثير العلاقات التاريخية بين أصحاب اللغتين: العربية، والأردية في نشأة اللغة الأردية	Majallah Al-Qism Al-Arabi Vol. 24, 2017	P.U. Lahore
Prof. Dr. Muhammad Qamar Ali	الشيخ جان محمد وجهوده في اللغة العربية والعلوم والإسلامية	Majallah Al-Qism Al-Arabi Vol. 24, 2017	P.U. Lahore
Dr. Hamid Ashraf Hamdani	مكافحة الأعداء الثلاثة في منظور رسائل النور	Al-Ehsan, Issue No. 6, pages 179-192 July-Dec. 2016	GCU Faisalabad
" "	توجيهات نبوية لتعزيز المسؤولية الاجتماعية لدى الشباب	Al-Baseerah, Department of Islamic Studies, Vol.6, Issue No.1	NUML, Islamabad



“ “	الإعلام الإسلامي: خصائصه ومعالمه	Al-Adwa Vol. 32 No. 47 Pages 213-228 Jan-June, 2017	P.U. Lahore
Dr. Haris Mobeen	مولانا محمد بشير السالكوتي: حارس اللغة العربية في باكستان	Al-Qalam, Institute of Islamic Studies Vol. 22, S. No. 1, June 2017	P.U. Lahore
Dr. Abdul Majid Nadeem	المجاز المرسل ومباحثه في التفسير المظهري	Jihat-ul-Islam Vol: 10, 2, December, 2016	P.U. Lahore
“ “	بذور المباحث الصرفية في مجاز القرآن لأبي عبيدة	Pakistan Journal of Islamic Research	B.Z.U. Multan
Dr. Hafiz Abdul Qadeer	المفاهيم القرآنية في شعر الأستاذ الدكتور عماد الدين خليل	Jihat-ul-Islam Vol: 10, Jan-June 2017	P.U. Lahore
“ “	مصر كا منثو	Bunyad Vol: 8, June 2017	L.U.M.S
“ “	المفاهيم الإسلامية والعربية في شعر الدكتور خورشيد رضوي	AL-ADWA Vol: 32, June 2017	P.U. Lahore
Dr. Abu Bakar	أصول التفسير اللغوي للقرآن: المناهج والقواعد	Al-Qalam, Institute of Islamic Studies Vol. 21, S. No. 2, Dec. 2016	P.U. Lahore
“ “	تاريخ اسلام کی مادی وجدلی تعبیر: تجزیاتی مطالعہ	Bazyaft, Department of Urdu, Oriental College No.29, July- Dec. 2016	P.U. Lahore
“ “	الاستشهاد اللغوي ومصادره: المناهج والقواعد	Majallah Al-Qism Al-Arabi Vol. 24, 2017	P.U. Lahore
“ “	دور التصوف في الأمن والسلام الاجتماعي	Majallah Al-Qism Al-Arabi Vol. 24, 2017	P.U. Lahore
“ “	الاتجاه العقلاني لتفسير القرآن في شبه القارة	Jihat- al –Islam, Islamic Studies Vol.10, S.No. 2 January-June, 2017	P.U. Lahore
“ “	المعاجم اللغوية كمصدر لتفسير القرآن: دراسة نقدية	Al-Qalam, Institute of Islamic Studies Vol. 22, S.No.2, 2017	P.U. Lahore



“ “	پاکستان میں اردو قرآنی معاجم: تجزیاتی مطالعہ	Al Adwa, Islamic Studies Vol.32, S.No. 47 January-June, 2017	P.U. Lahore
Hafiz Muhammad Altaf	دور التصوف في الأمن والسلام الاجتماعي	Majallah Al-Qism Al-Arabi Vol. 24, 2017	P.U. Lahore

○ **Books**

Authors Name	Book Name	Publisher	No. of Pages	Year of Publication
Prof. Dr. Khaliq Dad Malik	تطبيق القواعد العربية	Azad Book Depot.	296	October, 2016
“ “	اللغة العربية	“ “	152	October, 2016
“ “	الإنشاء والمحادثة	“ “	311	April, 2017
“ “	الأدب العربي	“ “	160	April, 2017
“ “	اللغة العربية	“ “	152	June, 2017
“ “	الشعر العربي	“ “	296	June, 2017
“ “	الإختیار من المتعدد والأسئلة الموضوعة	“ “	480	June, 2017
“ “	تحقيق وتدوين كا طريقه كار	“ “	456	June, 2017
“ “	منهج اللسان العربي	“ “	248	July, 2017
“ “	الأدب العربي	“ “	160	August, 2017

○ **Conferences, Seminars and Workshops, etc.**

Conference / Seminar / Workshop	Title & Date	Sponsor	Organizer
Prof. Dr. Khaliq Dad Malik	دو روزہ بین الاقوامی کانفرنس شاعر اسلام علامہ محمد اقبال	رابطہ ادب اسلامی 29-30 اکتوبر، 2016	ایوان اقبال، ایجرٹن روڈ، لاہور
Prof. Dr. Khaliq Dad Malik	سہ روزہ عالمی کانفرنس "الشیخ علی الہجویری اور معاصر عالم الاسلامی الشیخ علی الہجویری والعالم الاسلامی المعاصر	رابطہ ادب اسلامی 16-18 نومبر، 2016	دربار حضرت داتا گنج بخش، لاہور
Prof. Dr. Khaliq Dad Malik	بین الاقوامی کانفرنس "الخطاب الوسطی والأمن المجتمعي"	ایجوکیشن یونیورسٹی 16 دسمبر 2016	لاہور
Prof. Dr. Hamid Ashraf Hamdani	International Conference on "Woman and Journey of enlightenment: current status and expectations 18-19 October, 2016	Faculty of Islamic Studies and Arabic	Al-Azhar University, Cairo, Egypt,



Prof. Dr. Hamid Ashraf Hamdani	Second International Seminar on "Standard test of Language proficiency in Arabic Language for non-natives: experiments and success 26-27 October, 2016	Sheikh Zayed Centre for Teaching Arabic to Non-Natives	Al-Azhar University, Cairo, Egypt
Prof. Dr. Hamid Ashraf Hamdani	International Conference on "Social Justice and Welfare of Society in the Light of the Seerah of the Prophet (Peace Be Upon Him)" 8-9 December 2016.	Allama Iqbal Open University	Islamabad, Pakistan
Prof. Dr. Hamid Ashraf Hamdani	1 st Conference on "Seerat ul Nabi" 15 December 2016	University of Education, Township	Lahore, Pakistan
Prof. Dr. Hamid Ashraf Hamdani	International Conference on "Moderate Dialogue and community Peace" 22-23 January 2017	Muslim World League, KSA	Islamabad, Pakistan
Prof. Dr. Hamid Ashraf Hamdani	International Conference on "literature, Language and Translation" 2-4 May 2017	Tafila Technical University	Tafila, Jordan
Dr. Abdul Majid Nadeem	One Day "International Arabic Seminar", 05 January, 2017	Bahauddin Zakaria University,	Multan
Dr. Abdul Majid Nadeem	One Day Workshop on Scientific Writing (Oriental) 25 May, 2017,	GCWU	Faisalabad. (With the coordination of Sciencevier)
Dr. Abdul Qadeer	شاعر الإسلام الدكتور محمد إقبال 29-30 Oct 2016	International League of Islamic Literature	Lahore, Pakistan
Dr. Abdul Qadeer	قراءة التراث العربي والإسلامي بين الماضي والحاضر 27-28 FEB 2017	University of Suez Canal, Ismailia	Egypt



○ Research Journals

Journal Name	Editor Name	Remarks
Majallah Al Qism Al Arabi, Department of Arabic, PU, Lahore Issue No. 24 / 2017	Prof. Dr. Khaliq Dad Malik	Annual

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

○ **Research & Development**

- Dr. Nusrat Nisar Newly launched “Kashmiri Afsanay k Mummar Akhtar Mohiu Din
- Dr. Kh. Zahid Aziz Newly launched “Development of Knowledge and Literature in Mughal Era.”
- Dr. Syed Ali Raza Newly launched “Kashmiri Sufi Shaira Lalla Arifa k Kalam Mein Muarifat k- Ramuz-o-Israr”

○ **Research articles published national & international**

- Dr. Nusrat Nisar, Shikh Noor ud Din Rashi: Azeem Kashmiri Soofi Shair aur Muballag e Islam, Oriental College Magazine, Lahore, 2017.
- Dr. Nusrat Nisar, Habba Khatoon Aik Ehad Saaz Shairah , Sangar Mall, 2017.
- Dr. Nusrat Nisar, Kashmiri mai Urdu Sahafat Ka Naqeeb Kh. Sana Ullah Butt , Majallah-e-Tehqiq, 2017.
- Dr. Nusrat Nisar, Kashmiri mai Moseeqi ka irtiqa, Majallah-e-Tehqiq, Sangar Mall, 2017.
- Dr. Kh. Zahid Aziz, Kashmiri Literature, Society and Reconstruction, ALMAS, Dept., of Urdu, SALU, Khairpur, Sindh, 2016.
- Dr. Kh. Zahid Aziz, Iranian Impacts on kashmiri Literature and Culture, Majallah-e-Tahqiq, Lahore, 2016.
- Dr. Kh. Zahid Aziz, Impacts of Shah-e-Hamdan teachings on Religious life of Kashmiris, Al-Ehsan, Department of Islamic, Studies and Arabic, GCU, Faisalabad, 2016.
- Dr. Kh. Zahid Aziz, Urdu Prose writing in Jammu and Kashmir, ALMAS, Department of Urdu, SALU, khairpur, Sindh, 2016.
- Dr. Kh. Zahid Aziz, Allama Iqbal aur Terheek-e-Azadi Kashmir, Oriental College Magazine, Lahore, 2016.
- Dr. Kh. Zahid Aziz, Contribution of Mir Sayyed Ali Hamadan to the Religious and cultural life of Kashmir, Al-Ayyam, society for Research in Islamic History and culture, Karachi, 2017.
- Dr. Kh. Zahid Aziz, Irani Mystics and Kashmir, Paygham-E-Ashna, Islamabad, 2017
- Dr. Kh. Zahid Aziz, ranbir Singh’s Era A Review, Majallah-e-Tehqiq, Lahore, 2016.

○ **Conferences, Seminars and Workshops**

- Kashmir Issue, 5 January, 2017, Kashmiryat Department, University of the Punjab, Lahore.



- Kashmir Solidarity Day, 10 February, 2016, Kashmiryat Department, University of the Punjab, Lahore.
- History of Kashmiri Language, 22 March, 2017, Kashmiryat Department, University of the Punjab, Lahore.
- Shah Hamdan in Kashmir, 13 April, 2017, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmiri Arts and Crafts, 20 September, 2016, Kashmiryat Department, University of the Punjab, Lahore.

DEPARTMENT OF PERSIAN

○ **Publication: Books/Edited**

Sr. No.	Name of Author	Title of Paper/Article
1	Prof. Dr. Muhammad Saleem Mazhar	"An Introduction and Analysis of the Manuscripts of Bedil's Persian Literary Works housed at Central Library of University of the Punjab, Lahore, Pakistan",
2	Prof. Dr. Muhammad Saleem Mazhar	"نقش فارسی در گسترش روابط ایران و پاکستان"
3	Prof. Dr. Muhammad Nasir	مجموعه مقالات فارسی کنفرانس بین المللی میرسید علی همدانی
4	Dr. Syed Muhammad Farid	Taseer Shair e Hafiz bar Shair e Iqbal Lahori
5	Dr. Muhammad Sabir Assistant Professor	داستان هیر و رانجه کی فارسی نثر نگاروں پر ایک نظر
6	Dr. Muhammad Sabir Assistant Professor	نگاہی بہ مثنوی دولرانی خضر خان
7	Dr. Muhammad Sabir Assistant Professor	نگاہی بہ تذکرہ نویسندگان ہندو در شبہ قارہ
8	Dr. Muhammad Sabir Assistant Professor	جایگاہ میر سید علی ہمدانی در شعر علامہ اقبال
9	Dr. Shoaib Ahmad Assistant Professor	شرح حال و آثار حافظ محمد حیات نوشاہی
10	Dr. Uzma Zareen Nazia Assistant Professor	مولوی غلام امام شہید: نعت سرای فارسی شبہ قارہ

○ **Conferences, Seminars And Workshops**

- Prof Dr. Muhammad Saleem Mazhar. "نقش فارسی در گسترش روابط ایران و پاکستان". at Department of Persian, International Imam Khomeini University, Qazvin, Iran, January 21, 2017 at Iran.



- Prof Dr. Muhammad Saleem Mazhar “An Introduction and Analysis of the Manuscripts of Bedil’s Persian Literary Works housed at Central Library of University of the Punjab, Lahore, Pakistan”, 4th International conference on Mirza Abdul Qadir Bedial Dehlavi, Bedil Dehlavi Foundation Tehran, Iran on January 18-19, 2017.
- Prof Dr. Muhammad Saleem Mazhar (2017), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Prof Dr. Muhammad Saleem Mazhar (2017), “Punjabi Translation of Mathnavi-e-Maanavi”, organized by Punjabi Department, Lahore College for Women University and DFDI.
- Prof Dr. Muhammad Saleem Mazhar (2017), “Commemoration of Ferdowsi”, organized Lahore College for Women University, Lahore.
- Prof Dr. Muhammad Saleem Mazhar (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.
- Prof Dr. Muhammad Nasir (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.
- Dr Sayyid Muahmmad Farid (2017), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr Sayyid Muahmmad Farid (2017), “Punjabi Translation of Mathnavi-e-Maanavi”, organized by Punjabi Department, Lahore College for Women University and DFDI.
- Dr Sayyid Muahmmad Farid (2017), “Commemoration of Ferdowsi”, organized Lahore College for Women University, Lahore.
- Dr Sayyid Muahmmad Farid (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.
- Dr Muhammad Sabir (2017), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr Muhammad Sabir (2017), “Punjabi Translation of Mathnavi-e-Maanavi”, organized by Punjabi Department, Lahore College for Women University and DFDI.
- Dr Muhammad Sabir (2017), “Commemoration of Ferdowsi”, organized Lahore College for Women University, Lahore.
- Dr Muhammad Sabir (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.
- Dr Shoaib Ahmad (2017), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr Shoaib Ahmad (2017), “Punjabi Translation of Mathnavi-e-Maanavi”, organized by Punjabi Department, Lahore College for Women University and DFDI.
- Dr Shoaib Ahmad (2017), “Commemoration of Ferdowsi”, organized Lahore College for Women University, Lahore.
- Dr Shoaib Ahmad (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.



- Dr Ihsan Ahmed (2017), "Sultan Bahoo and Maulana Rumi", University of the Punjab, Lahore
- Dr Ihsan Ahmed (2017), "Punjabi Translation of Mathnavi-e-Maanavi", organized by Punjabi Department, Lahore College for Women University and DFDI.
- Dr Ihsan Ahmed (2017), "Commemoration of Ferdowsi", organized Lahore College for Women University, Lahore.
- Dr Ihsan Ahmed (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.
- Dr. Uzma Zareen Nazia, (2017), "Sultan Bahoo and Maulana Rumi", University of the Punjab, Lahore
- Dr. Uzma Zareen Nazia, (2017), "Punjabi Translation of Mathnavi-e-Maanavi", organized by Punjabi Department, Lahore College for Women University and DFDI.
- Dr. Uzma Zareen Nazia, (2017), "Commemoration of Ferdowsi", organized Lahore College for Women University, Lahore.
- Dr. Uzma Zareen Nazia, (2017), National conference of universities and colleges Persian teachers of Pakistan and Saadi-Iqbal award, Islamabad, Pakistan.

DEPARTMENT OF PUNJABI

○ Publication: Books/Edited

- Dr. Naveed Ahmad Shahzad. 2016، اردو پندی زبان کا تنازع اور پنجابی زبان (تحقیق) 2016، دریا ڈوبن چلیا واں (نظم) 2017، اشاریہ پاکستانی پنجابی فلمی گیت (تحقیق) 2017، رجحان ساز نویں پنجابی نظم (انتخاب/تنقید) 2016، فیصل آباد دی پنجابی نعت (تحقیق) Dr. Saadat Ali Saqib. 2017، رنگ دیے سوتر Dr. Asma Qadri. 2017، جوڑ دیے بھید 2016، پنجابی ادب وچ ترجمے دی روایت (کھوج پرکھ) Dr. Zahir Ahmad Shafiq

○ Research articles Published National & International:

- Prof. Dr. Nabila Rehman Naveed Shahzad Di Nazam, (2016) Peloon, Peloon Publications, Multan (pg: 192-200)
- Prof. Dr. Nabila Rehman Kalam-e-Bahoo main Fiqri Ujalay, (2017) Sakhan Ishq, Cultural Consulate, Embassy of Islamic Republic of Iran, Islamabad (pg: 183-194)
- Dr. Naveed Ahmed Shahzad، "طوالت اور طویل نظم: نئی پنجابی شاعری کے سیاق میں"، اورینٹل کالج "طوالت اور طویل نظم: نئی پنجابی شاعری کے سیاق میں"، اورینٹل کالج Volume No. 3/90.
- Dr. Naveed Ahmed Shahzad (ایک نوٹ) پنجابی شاعری کا نو کلاسیکی دور اور طویل نظم (نوری تا جون 2016، کھوج
- Dr. Naveed Ahmed Shahzad "پنجابی شاعری کا نو کلاسیکی دور اور طویل مقصدی نظمیں" جولائی تا دسمبر 2016، کھوج



- تحقیقی مجلہ " نئی پنجابی نظم اور صوفیانہ فکر کا بدلنا ہوا تناظر " Dr. Naveed Ahmed Shahzad 2016، شاہ عبدالطیف بھٹائی یونیورسٹی، خیر پور، الماس
- جنوری تا جون 2016، چھماپی کھوج، روٹی میری کاٹھ کی: فوائد الفواد (جلد دوجی) Dr. Asma Qadri
- جنوری تا جون ، چھماپی کھوج، پنجابی زبان دا ہمہ جہت شاعر: حافظ عبدالمجید Dr. Saada Ali Saqib 2016
- جنوری تا جون 2016، چھماپی کھوج، فیمنیزم تے پنجابی کہانی کارناں Dr. Zaheer Ahmed Shafique
- **Conferences, Seminars And Workshops**
 - Prof. Dr. Nabila Rehman
 - International Conference of language, literature, Art and Culture, Department of Punjabi. Lahore College for women university. Lahore. 21-23 December 2017.
 - International Conference, Sultan Bahoo & Mevlana Rumi, Department of Persian. University of the Punjab. Lahore, 11 May 2017
 - National Conference, Deptt. Of Pakistani Languages. Allama Iqbal Open University. Islamabad. 28-29 April, 2017
 - Shah Hussain Conference. PILAC 8 April 2017
 - World Punjabi Conference, PUBA Canada, Kalm Foundation. 11-12 June, 2015
 - Baba Farid International Conference, Oriental College Punjabi Deptt Punjab University Lahore, 22, 23 April 2015
 - World Punjabi Conference, world Punjabi Congress, Punjab Institute of Language Art & Culture, Lahore, 20 March 2015.
 - 1st one day national conference on Folklor, Deptt of Sindhi, Wafaqi Urdu University, Karachi 6th Feb, 2015.
 - International Conference on "Literature Society and Reconstruction (past, Present & future.) Department of Urdu, Shah Abdul Latif Bhatai University, Khairpur Sindh. 13, 14 January 2015.
 - *Punjabi Sufi Wisdom through visual Art, Deptt Punjabi, Oriental College, Punjab University. 20 December, 2017.*
 - *Punjabi Literature, Loyelpur Punjabi Sulaikh Mela, Faisalabad Art Council & Lok Sujag. 14 to 16th Feb. 2017.x*

DEPARTMENT OF URDU

- **Publication:** Books/Edited
 - Dr. Baseera Ambreen (2016). *Gunjina Ghalib (Tanqeed o Tehqeeq)*. Publisher: Lahore: Kitaab Siraye.
- **Research articles published national & international**
 - Prof. Dr. M. Kamran (2016). *Maulana Altaaf Hussain Hali: Online Tanqeed ki Roshni Me*. Include in: *Bazyat* – No. 28. Department of Urdu.
 - Prof. Dr. M. Kamran (2016). *Internet, Globalization, Pakistani Art and Litature*. Include in: *Bazyat* – No. 29. Department of Urdu.



- Prof. Dr. M. Fakhar Ul Haq Noori (2016). *Haiko Kay Sanfi Hisais*. Include in: *Oriental College Magazine*. Volume. 91 No. 1 Page No. 7-24.
- Prof. Dr. M. Fakhar Ul Haq Noori (2016). *Majeed Amjad Shanasi: Sowi Salgirah per Shaya Shuda Kutab ki Roshni me*. Include in: *Oriental College Magazine*. Volume. 91 No. 2 Page No. 7-56.
- Prof. Dr. M. Fakhar Ul Haq Noori (2016). *Majeed Amjad Shanasi: Sowi Salgirah per Shaya Shuda Jaraid Kay Ainy Me*. Include in: *Majala Tehqeeq Oriental College*. Volume 37 No. 103 Page No. 173-201.
- Prof. Dr. M. Fakhar Ul Haq Noori (2016). *Rai (Mashmolah Peghamaat)*. Include in: *Sultan - Govt. Post Graduate College Kot Sultan*. Page No. 23.
- Prof. Dr. Zahid Munir Amir (2016). *Muhammad Asad and Internatioal Islamic Colloquium of 1957-58: A forgotten Chapter from the History of the Punjab University*. Include in: *Journal of Research (Humanities) Vol. LII Department of English Language and Literature, University of the Punjab Lahore*
- Prof. Dr. Zahid Munir Amir (2016). *Mauritius Mein Urdu*. Include in: *Bunyad*, Research Journal of LUMS Lahore University of Management Sciences Vol#7.
- Prof. Dr. Zahid Munir Amir (2016). *Adab, Muashira aur Mustaqbil*. Include in: *Almaas*, Research Journal Shah Abdul Latif University Khairpure Sindh Vol. 17.
- Prof. Dr. Zahid Munir Amir (2016). *Nazriye ki Takhleeq aur Adab k Samaji Rishte*. Include in: *Oriental College Magazine*, Punjab University, Lahore, Pakistan Vol 91 Shumara 1.
- Prof. Dr. Zahid Munir Amir (2016). *Iqbal, Sham aur Mazhabi Tahammul*. Include in: *Iqbaliyyat/Iqbal Review*, QuarterlyResearch Journal of Iqbal Academy Pakistan vol. 55, No.3
- Prof. Dr. Zahid Munir Amir (2016). *Hali aur Zafar Ali Khan Irtibati Mutalia*. Include in: *Bazyaft*, A Research Journal of Department of Urdu, Oriental College, Punjab University Lahore Vol. 28 Special Issue on Maulana Altaf Hussain Hali.
- Dr. Baseera Ambreen (2016). *Classicki Shayeri me Mazameen e Taalli*, Include in: *Zuban o Adab*. No. 18, GC College University Faislabad.
- Dr. Baseera Ambreen (2015). *Muhassanat e Ghalib Kalam Ghalib Me*. Include in: *Miyaar* Issue. 16 International Islamic University.
- Dr. Baseera Ambreen (2016). *Hali ka Lasani Shaoor*. Include in: *Bazyaft – 28 Department of Urdu*.
- Dr. Baseera Ambreen (2016). *Shoaraye Dehli kay Asloob me Tasleef o Taali*. Include in: *Bazyaft – 29 Department of Urdu*.
- Dr. Arifa Shahzad (2016). *Nazam o Nasar Hali ke Angrezi Tarajum*. Include in: *Bazyaft*. No. 28. Lahore.
- Dr. Arifa Shahzad (2016). *Urdu key Shaeri Dabstano ka Kazia aur Carla Petiavich*. Include in: *Bazyaft*. No. 29. Lahore.



- Dr. Arifa Shahzad (2016). *Syed Abdul Latif ki Tanqeed ka Maabad No Abadyati Mutala*. Include in: *Mujala Tahqeeq*. Volume 37. No. 102.
- Dr. Arifa Shahzad (2016). *Sheikh Abdul Qadir Ki Tanqeed Negari*. Include in: *Mujala Tahqeeq*. Volume 37. No. 103.
- Dr. Arifa Shahzad (2016). *Angrezi me Anees Shanas ki Rawayat*. Include in: *Alhamad*, Islamabad. No. 6.
- Dr. Arifa Shahzad (2016). *Urdu Novel o Afsana ki Tanqeed aur Begum Shaista Akram Allah*. Include in: *Mujala Tehqeeq*. Volume 37. No. 104.
- **Conferences, Seminars And Workshops**
 - Prof. Dr. M. Kamran, “Critical Legal Conference 2016 (Critical Perspectives On Culture And Preservation: Precarity In Our Past, Present And Future Cultural Heritages)”. University of Kent, Eliot College Canterbury, United Kingdom. 1ST -3RD September 2016.
 - Prof. Dr. Zahid Munir Amir, Iqbal and Religious Tolerance Department of Islamic Studies, Punjab University , Lahore Delivered Extension Lecture Nov 15 , 2016
 - Prof. Dr. Zahid Munir Amir, Iqbal and Children Unique Group of Institutions Wahdat Road, Lahore Delivered Extension Lecture Nov 14, 2016
 - Prof. Dr. Zahid Munir Amir, Special Seminar on Iqbal Day Iqbal Academy Pakistan / Aiwan e Iqbal Lahore Delivered Lecture on Iqbal and Quran Nov 8th, 2016
 - Prof. Dr. Zahid Munir Amir, Parentage Beacon House Canal Side Boys Campus, Lahore Delivered Key Note Address Oct 15, 2016
 - Prof. Dr. Zahid Munir Amir, Ghalib ki Ghazal Bazm-e-Ghalib/ Lahore University of Management Sciences (LUMS) Lahore Delivered Extension Lecture Sep 30, 2016
 - Prof. Dr. Zahid Munir Amir, Iqbal aur Aurat Lahore College for Women University, Lahore Delivered Key Note Address May 2, 2016
 - Prof. Dr. Zahid Munir Amir, Islami Ma’eshat ki bunyaden aur Dor e jadeed ki Mushklaat Council of Islamic Ideology, Islamabad Guest Speaker April 26-27, 2016
 - Prof. Dr. Zahid Munir Amir, National Book Fair and Book Ambassadors Conference National Book Foundation, Islamabad Presented Poetry, delivered speech and participated in Book Ambassadors Conference April 24, 2016
 - Prof. Dr. Zahid Munir Amir, Iqbal Piambar e Ummid Iqbal Academy of Pakistan Delivered Lecture as Chief Guest April 19, 2016
 - Prof. Dr. Zahid Munir Amir, Special Study of Iqbal’s Shikwa (2) Iqbal Circle Lahore University of Management Sciences, Lahore Delivered Lecture as Chief Guest April 15, 2016
 - Prof. Dr. Zahid Munir Amir, Special Study of Iqbal’s Shikwa (1) Iqbal Circle Lahore University of Management Sciences, Lahore Delivered Lecture as Chief Guest April 8, 2016
 - Prof. Dr. Zahid Munir Amir, Taqreeb Biyad e Sardar Abdur Rub Nishtar President House Islamabad Chaired by President of Islamic Republic of Pakistan Delivered speech Feb 12, 2016



- Prof. Dr. Muhammad Fakhar Ul Haq Noori, Seminar Topic: ***“Turkey Me Arbi Zuban Ki Majooda Soorat-e-Hall”*** (Status of Arabic Language in Turkey) Organized by: Department of Arabic, Punjab University, Oriental College Lahore & Ashtraak Sharnaak University, Turkey. Dated 12 April, 2016.
- Prof. Dr. Muhammad Fakhar Ul Haq Noori, Seminar Topic: ***“Aspects and Approaches in Contemporary Linguistic Studies”***. Organized by: Institute of Languages, Punjab University Oriental College, Lahore & Linguistic Association Of Pakistan, Islamabad. 18-20 October, 2016.
- Dr. Baseera Ambreen, Seminar Topic: ***Iqbal Seminar, “Naya Zamana Naye Subah o Shaam Peda Kr”***. Arranged by: Urdu/Punjabi Department GC, University Faisalabad.
- Dr. Baseera Ambreen, Seminar Topic: ***“Iqbal Seminar”***, Arranged by: Anjuman Farooq Fikar Iqbal, at Awan-e-Iqbal dated 9 November, 2016.

UNIVERSITY ORIENTAL COLLEGE

○ Conference, Seminars and Workshops, etc.

- Farewell party was arranged held on 25-10-2016 in honor of retiring employees Ghulam Ahmad and Muhammad Mansha. The employees were paid farewell and presented with gifts. The principal also graced the occasion.
- Iqbal Day was celebrated on 08-11-2016 at the Shirani Hall.
- A welcome ceremony was held with reference to new campus on 13-12-2016 at the Shirani Hall. The Vice-Chancellor Prof. Dr. Mujahid Kamran was the chief guest whereas Dean/Principal Prof. Dr. Muhammad Fakhar ul Haq Noori hosted the ceremony.
- Loving teacher of Punjabi Department Prof. Dr. Naheed Shahid died. The Quran Khawni was held in this regard on 28-02-2017 at Shirani Hall. A good number of students and friends of Dr. Naheed Shahid along his colleagues attended the Quran Khawni.
- A party was arranged hold on 21-03-2017 in honor of Vice Chancellor by the faculty members of the college at college lawn.
- A prestigious ceremony of prize distribution was held at the end of Annual Sports Festival on 25-05-2017 at the Shirani Hall. The Vice-Chancellor Prof. Dr. Zafar Moeen Nasir was chief guest. The ceremony was presided over principal Prof. Dr. Muhammad Fakhar ul Haq Noori.
- College teachers, employees along principal Prof. Dr. Muhammad Fakhar ul Haq Noori participated at the ceremony of flag erection on 14-08-2017 at the College of Arts & Design's Central Hall. The event was graced by the Vice-Chancellor Prof. Dr. Zafar Moeen Nasir. A poet session was also arranged at the end of the ceremony.

○ Research Journal

Recognized and historical Research Journal “Oriental College Magazine” has been publishing since 1925.



○ **Linkages with Foreign Universities**

- Al-Jamia Al-Azhar, Cairo, Egypt.
- Daito Bunka University Tokyo, Japan
- Ningxia University, China
- Tehran University, Iran.
- King Saud Univesity, Al-Riadh, Saudi Arabia

○ **Funding Grants for Research Development**

HEC scholarships awarded to faculty members.

Details mentioned in the report of the Teaching Departments of this College

Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

Research & Development

All teaching faculty in the University College of Pharmacy is involved in Research and Development. This research is in the fields of National priority areas. The faculty is involved in research in the disciplines of Pharmaceutics (formulation design, Clinical Pharmacy, Biopharmaceutics and Pharmacokinetics), Pharm Chemistry (Analytical, Physical and Medicinal chemistry), Pharmacology, Pharmacognosy and Pharmacy Practice.

○ **Projects: Completed**

- Total 09 Projects funded by University of the Punjab in the field of Pharmacy have been completed in the year 2016-17

○ **Newly launched**

- More than 12 faculty members applied for newly launched projects funded by University of the Punjab this year.
- Prof. Dr. Khalid Hussain has been awarded H.E.C. Project under NRPU scheme.
- Dr. Nasir Abbas has been awarded H.E.C. Project under NRPU scheme.
- Dr. Amjad Hussain has been awarded H.E.C. Project under NRPU scheme.
- Dr. Hamid Saeed has been awarded H.E.C. Project under NRPU scheme.

○ **Publications: Books/ Edited**

- Nadeem Irfan Bukhari, Biopharmaceutics and Pharmacokinetics – An activity based learning (2nd Edition) Reprint 3, Raaz Publishers, Lahore Pakistan
- Prof. Dr. Khalid Hussain, Practical Manual for instrumentation and pharmaceutical Analysis. Pharm D student (3rd Edition), Raaz Publishers, Lahore Pakistan
- Imran Tariq, Practical Approach for Pharmaceutical dispensing for Pharm D student (2nd Edition), Raaz Publishers, Lahore Pakistan.
- Amjad Hussain, Manual of Clinical Pharmacy for Pharm D student (4th Edition), Raaz Publishers, Lahore Pakistan.
- Pervaiz Akhter Shah, Practical Manual of industrial Pharmacy for Pharm D student (Revised Edition), Raaz Publishers, Lahore Pakistan.



○ Publications

- Naureen Shehzadi, Khalid Hussain, Muhammad Tanveer Khan, Muhammad Salman, Muhammad Islam. Evaluation of Dynamics of Derivatization and Development of RP-HPLC Method for the Determination of Amikacin Sulphate. Pakistan Journal of Pharmaceutical Sciences, 2016 (Accepted, Impact Factor 0.682)
- Naureen Shehzadi, Khalid Hussain, Muhammad Salman, Najma Arshad, Muhammad T. Khan. (2017). Amikacin Sulphate and Corticosteroid Admixtures: A Medication Misadventure. Latin American Journal of Pharmacy, 36 (5), 882-890. (Impact Factor, 0.372)
- Muhammad Salman, Naureen Shehzadi, Khalid Hussain, Fahad Saleem, Muhammad Tanveer Khan, Nauman Asif, Maria Yousaf, Maham Rafique, Rushda Bedar, Sonia Tariq, Usman AbuBakar, Syed Azhar Syed Sulaiman. (2017). Knowledge of Ebola Virus Disease among University Population: A Cross-Sectional Study. American Journal of Infection Control, 45, e23-e25. (Impact Factor, 1.995)
- Muhammad Salman, Amer Hayat Khan, Azreen Syazril Adnan, Syed Sulaiman SA, Fahad Saleem, Nauman Chawala, Khalid Hussain, Naureen Shehzadi. (2017). Evaluation of medication use in Malaysian Pre-dialysis Patients. Saudi Journal of Kidney Diseases and Transplantation, 28(3), 517-523. (ISI Master List)
- Salman, M., Khan, A. H., Sulaiman, S., Azhar, S., Khan, J. H., Hussain, K., & Shehzadi, N. (2017). Effect of Calcium Channel Blockers on Lower Urinary Tract Symptoms: A Systematic Review. BioMed Research International, 2017.
- Computer Aided Formulation and Characterization of Propranolol Hcl Buccal Tablet Using Polymeric Blend Sana Hanif, Nadeem Irfan, Zeeshan Danish, Nisaar Hussain, Muhammad Ali, Bushra Nasir, Javed Iqbal, Hamid Saeed, Rubina Ali, Zikria Saleem the open conference proceeding journal
- Cell to rodent: toxicological profiling of folate grafted thiomers enveloped nanoliposomes Muhammad Farhan Sohail,abcd Hafiz Shoaib Sarwar,a Ibrahim Javed,c khtar Nadeem, Syed Zajif Hussain,c Hamid Saeed,f Abida Raza,g Nadeem Irfan Bukhari,f Irshad Hussain*c and Gul Shahnaz Toxicology research
- Floating tablets of minocycline hydrochloride: Formulation, in-vitro evaluation and optimization Ali Raza Nadeem Irfan Bukhari Sabiha Karim† Muhammad Ahsan Hafiz Uzma Hayat future journal of pharmaceutical sciences
- Advances in nano-delivery systems for doxorubicin: an updated insight Umamah Kanwal, Nadeem Irfan Bukhari, Muhammad Ovais, Nasir Abass, Khalid Hussain & Abida Raza journal of drug therapeutics
- Rehman, AU, Liaqat M, Asghar R and Syed, NH, (2017). Evaluation of methanolic extract of Phragmites karka on carbon tetrachloride-induced liver fibrosis in rat. Bangladesh journal of Pharmacology. 12: 276-281.
- Muhammad, A, Muhammad J, Ullah F, Sadiq A, Shahid M, Ahmad W, Ullah I, Ahmad A and Syed NH. (2017)m GC-MS analysis and gastroprotective evaluation of crude extracts, isolated saponins and essential oil from Polygonum hydropiper L. Frontier of Chemistry %:58. Doi: 10.3389/fchem.2017.00058.



- Muhammad Kashif Riaz, Mohammad Riaz and Abida Latif Medication errors and strategies for their prevention Pak. J. Pharm. Sci., Vol.30, 30 (3)921-928
- Abida Latif, Humera Shafi Makhdoom, Muhammad Imran, Mohammad Mazhar, Emman Anwar, Mohammad Sarwar and Muhammad Ashraf Tahir Determination of Organic Volatile Impurities in Twenty-Three Different Coated Tablet Formulations Using Headspace Gas Chromatography with Flame Ionization Detection Technique Pharmaceutica Analytica Acta8(1000553)2-4
- 16th Feb 2017 Evaluation of Hypolipidemic Activity of Allium schoenoprasum in Albino Rats British Journal of Pharmaceutical Research
- 1st March 2017 6(3) Hepatoprotective action of ethanolic extract of Cyperus pertenuis in chronic intoxicated albino rats International Journal of Biology, Pharmacy and Allied Sciences
- 1st April 2017 Anti-nociceptive and anti-inflammatory activity of Trapa bispinosa, Chenopodium album and Cuscuta reflexa International Journal of Biology, Pharmacy and Allied Sciences
- 22nd June 2017 Prophylactic and protective activity of crude and methanolic extracts of Punica granatum peel against gentamycin induced nephrotoxicity Journal of Pharmaceutical Research International
- 26th Sept. 2017 Antidiabetic and renoprotective effect of Fagonia cretica L. methanolic extract and Citrus paradise Macfad. juice in alloxan induced diabetic rabbits Journal of Pharmacy & Pharmacognosy Research
- Usama Asif, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi and Mohamed Azmi Hassali, "Exploring the knowledge and attitude of medical and pharmacy students about generic medicine in Lahore, Pakistan," Journal of Generic Medicines, 2017.
- FK Hashmi, F Saleem, "Pharmacy practice in Pakistan: The Catch-22 continues", Research in Social and Administrative Pharmacy, 2017.
- Furqan K. Hashmi, Mohamed Azmi Hassali, Adnan Khalid, Fahad Saleem, Hisham Aljadhey, Zaheer ud Din Babar and Mohammad Bashaar, "A qualitative study exploring perceptions and attitudes of community pharmacists about extended pharmacy services in Lahore, Pakistan", BMC Health Services Research 17:500, 2017.
- Asif, Usama, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi, Muhammad Islam, Mohamed Azmi Hassali, and Fahad Saleem. "Genderwise clinical response of antipsychotics among schizophrenic patients: a prospective observational study from Lahore, Pakistan." International Journal of Psychiatry in Clinical Practice (2017): 1-7.
- Mahrukh Yousaf, Usama Asif, Khurram Aamir, Inaam-ur-rehman, Sehrish Haider, Afzaal Bashir, Furqan K. Hashmi, Mohamed Azmi Hassali and Zikria Saleem. "A Retrospective Analysis Regarding Comparative Efficacy and Safety of Hyper-CVAD and MEC Chemo-Protocols in Patients with Chronic Myelogenous Leukemia from Lahore, Pakistan", Journal of Pharmaceutical Research International, 2017. 18(3): 1-10.



- Zikria S, Hamid S, Amna A, Farooq B, Iqra B, Murryam K, Azqa N, Saba A, Areefa T, Muhammad I and Furqan KH. "Comparative Safety Profile of Single Versus Combination Antipsychotic Therapy by Using Glassgow Antipsychotic Side Effect Scale (Gass)", *Neurol Neurother*, 2017, 2(2): 000115.
- Zikria Saleem, Saeed H, Saleem N, Farooq Ms, Masood A, Aslam S, Qamar M, Khalid M, Islam M, Hashmi Fk, Hassali MA. "Gender wise clinical response of anti-tuberculosis therapy (ATT): A prospective cohort study from Lahore, Pakistan", *IJBPAS*, 2017, 6(9), 1694-2709
- ZikriaSaleem, Hamid Saeed, Furqan K. Hashmi, NoumanSaleem, Uzma Zafar, MahamFarrukh, Aina Salah, Salihallyas, SehrishShafique, Mahrukh Ahsan, Zeeshan Danish, Muhammad Islam, "Impact of duration of therapy on side effect profile of anti-HCV protocol: A retrospective cohort study from two tertiary health facilities in Pakistan", *Tropical Journal of Pharmaceutical Research* 16 (4) 2017.
- Ishtiaq S, Akram M, Hanif U, Afridi MSK, Rehman S, Afzal A, Asif A, Younus M, Akbar S. Acute and sub-acute toxicity study of a Pakistani polyherbal formulation *BMC Complementary and Alternative Medicine* 17 (387) 1-13
- M Shoaib R, Ahmad M, Ishtiaq S, Anwar R. Anti-diabetic and renoprotective effect of goniactretica L. methanolic extract and Citrus paradise MacFad. Juice in alloxan induced diabetes *Journal of Pharmacy and Pharmacognosy Research* (6) 365-380
- Ahmad M, Wazir R, Anwar R, Mobasher A, Akhter U. Prophylactic and protective activity of crude and methanolic extract of Punicagranatum peel against gentamicin induced nephrotoxicity *Journal of Pharmaceutical Research International* 17 (4) 1-7
- Usama Asif, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi, Muhammad Islam, Mohamed Azmi Hassali & Fahad Saleem. Genderwise clinical response of antipsychotics among schizophrenic patients: a prospective observational study from Lahore, Pakistan. *International Journal of Psychiatry in Clinical Practice*.
- Shoaib Ahmad, Syed Saeed-ul-Hassan, Muhammad Islam, Fatima Qureshi, Imran Waheed, Ittique Munawar, Saiqa Ishtiaq, Shahid Rasool, Muhammad Furqan Akhtar, Sajid Ali Chishti, Maryam Shabeer, Shoaib Peerzada, Moosa Raza, Khuram Amir, Ali Sharif. Feb, 2017. Antioxidant activity of Pistacia khinjuk supported by phytochemical investigation. *Acta Poloniae Pharmaceutica*. Vol 74, 173-178.
- Fariha Imtiaz, Muhammad Islam, Hamid Saeed, Bushra Saleem, Maryam Asghar, Zikria Saleem. 2017. Impact of *Trigonella foenum-graecum* Leaves extract on Mice Hair Growth. *Pakistan Journal of Zoology*. Accepted on 5th April, 2017.
- Zikria Saleem, Hamid Saeed, Furqan K Hashmi, Nouman Saleem, Uzma Zafar, Maham Farrukh, Aina Salah, Saliha Iyas, Sehrish Shafique, Mahrukh Ahsan, Zeeshan Danish, Muhammad Islam. 2017. Impact of duration of side effect profile of anti-HCV protocol: A retrospective cohort study from two tertiary health facilities in Pakistan. *Tropical Journal of Pharmaceutical Research*. 16(4), 931-937.



- Gulshan R, Irfan M, Zahoor AF, Arshad MS, Khan NI, Hussain A, Abbas N, Mohsin NU..Effect of Formulation and Process Parameters on Drug Release from Controlled Release Matrix Tablets of Terbutaline Sulphate.Latin American Journal of Pharmacy 36(2) 314-325 , Jan 2017
- Abbas N, Arshad MS, Hussain A, Irfan M, Ahsan M, Rasool MF, ur Rehman MH..Development and validation of a spectroscopic method for the simultaneous analysis of miconazole nitrate and hydrocortisone acetate in pharmaceutical dosage form. Tropical Journal of Pharmaceutical Research. 16(2), 413-420. 2017
- N Abbas, IDH Oswald, CR Pulham. Accessing Mefenamic Acid Form II through High-Pressure Recrystallisation. Pharmaceutics. 9(2). 16 May 2017
- Hussain A, Qureshi F, Abbas N, Arshad MS, Ali E.An Evaluation of the Binding Strength of Okra Gum and the Drug Release Characteristics of Tablets Prepared from It. Pharmaceutics. 9(2). 20 June 2017
- Kanwal U, Irfan Bukhari N, Ovais M, Abass N, Hussain K, Raza A. Advances in Nano-delivery Systems for Doxorubicin: An updated insight, Journal of Drug Targeting .1, 53. Oct 2017
- Ijaz QA, Abbas N, Arshad MS, Hussain A, Javaid Z..Synthesis and evaluation of pH dependent polyethylene glycol-co-acrylic acid hydrogels for controlled release of venlafaxine HCl. Journal of Drug Delivery Science and Technology. 43. 221-232 2017
- Hamid Saeed, Zikria Saleem, Mariam Ashraf, Nida Razzaq, Kubra Akhtar. Ammarah Maryam, Nasir Abbas, Ali Akhtar, Nazeeha Fatima, Kalsoom Khan, Fawad Rasool. Determinants of Anxiety and Depression Among University Students of Lahore. Int J Ment Health Addiction. Dec 2017
- Zikria Saleem, Hamid Saeed, Furqan K Hashmi, Nouman Saleem, Uzma Zafar, Maham Farrukh, Aina Salah, Saliha Ilyas, Sehrish Shafique, Mahrukh, Ahsan, Zeeshan Danish and Muhammad Islam Impact of duration of therapy on side effect profile of anti- HCV protocol: A retrospective cohort study from two tertiary health facilities in Pakistan Tropical Journal of Pharmaceutical research 16; 4(931-937.2) 0.6
- Sana Hanif, Nadeem Irfan, Zeeshan Danish, Nisaar Hussain, Muhammad Ali, Bushra Nasir, Javed Iqbal, Hamid Saeed, Rubina Ali and Zikria Saleem Computer Aided Formulation and Characterization of Propranolol Hcl Buccal Tablet Using Polymeric Blend The Open Conference Proceedings Journal 8 (1- 13) –Foreign
- Sajjad Ali, Syed Atif Raza, Humayun Riaz, Mobasher Ahmad Butt, Hamid Saeed, Zikria Saleem, Tanveer Ahmed Khan, and Muhammad Ishfaq Ahmad, A Demographical Assessment of Different Insulin Regimens in Non-insulin Dependent Diabetics British Journal of Pharmaceutical Research 17 (1): 1-7 Foreign
- Fariha Imtiaz, Muhammad Islam, Hamid Saeed, Bushra Saleem, Maryam Asghar, Zikria Saleem. Impact of Trigonellafoenum-graecumLeaves Extract on Mice Hair Growth Pakistan Journal of Zoology 49 (4) 1405-1412 0.5



- Farhan Sohail, Shoaib Sarwar, Ibrahim Javed, Akhtar Nadhman, Syed Zajif Hussain, Hamid Saeed, Nadeem Irfan Bukhari, Abida Raza, Irshad Hussain and Gul Shahnaz Cell to Rodent: Toxicological Profiling of Folate Grafted Thiomers Enveloped Nanoliposomes. *Toxicology Research* 6, 814-821 2
- Muhammad Akhlaq, Zeeshan Danish, Kamran Khan, Abid Hussain, Mahvish Ajaz, Junaid Qureshi, Ghulam Razaque, Aamir Jalil, Naumanul Haq, Hamid Saeed Fabrication of Flurbiprofen Transdermal patch using milk thistle oil as permeation enhancer *Acta Polonicae Pharmaceutica* 74(4) 1187 – 1207 0.8
- Usama Asif, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi, Muhammad Islam, Mohamed Azmi Hassali & Fahad Saleem. Genderwise clinical response of antipsychotics among schizophrenic patients: a prospective observational study from Lahore *International Journal of Psychiatry in Clinical Practice* doi: 10.1080/13651501.2017.1395055 1.2
- Saleem Z, Hamid Saeed, Farooq MS, Masood A, Aslam S, Qamar M, Khalid M, Islam M, Hashmi FK, Hissali MA Gender wise clinical response of anti-tuberculosis therapy (ATT). A prospective cohort study from Lahore, Pakistan. *International Journal of Biology, Pharmacy and Allied Sciences* 6(9) 1694 – 1709 Foreign
- Zikria S, Hamid Saeed, Amna A, Farooq B, Iqra B, Murryam K, Azqa N, Saba A, Areefa T, Muhammad I and Furqan KH. Comparative Safety Profile of Single Versus Combination Antipsychotic Therapy by Using Glasgow Antipsychotic Side Effect Scale (Gass). *Neurology and Neurotherapy* 2 (2), 1 – 7 Foreign
- Zikria Saleem, Hamid Saeed, Furqan K Hashmi, Nouman Saleem, Uzma Zafar, Maham Farrukh, Aina Salah, Saliha Ilyas, Sehrish Shafique, Mahrukh, Ahsan, Zeeshan Danish and Muhammad Islam Impact of duration of therapy on side effect profile of anti- HCV protocol: A retrospective cohort study from two tertiary health facilities in Pakistan *Tropical Journal of Pharmaceutical Research* 16; 4(931-937.2) 0.6 Foreign
- Sana Hanif, Nadeem Irfan, Zeeshan Danish, Nisaar Hussain, Muhammad Ali, Bushra Nasir, Javed Iqbal, Hamid Saeed, Rubina Ali and Zikria Saleem Computer Aided Formulation and Characterization of Propranolol Hcl Buccal Tablet Using Polymeric Blend *The Open Conference Proceedings Journal* 8 (1- 13) - Foreign
- Sajjad Ali, Syed Atif Raza, Humayun Riaz, Mobasher Ahmad Butt, Hamid Saeed, Zikria Saleem, Tanveer Ahmed Khan, and Muhammad Ishfaq Ahmad. A Demographical Assessment of Different Insulin Regimens in Non-insulin Dependent Diabetics *British Journal of Pharmaceutical Research* 17 (1): 1-7 Foreign
- Fariha Imtiaz, Muhammad Islam, Hamid Saeed, Bushra Saleem, Maryam Asghar, Zikria Saleem Impact of Trigonella foenum-graecum Leaves Extract on Mice Hair Growth *Pakistan Journal of Zoology* 49 (4) 1405-1412 0.5
- Usama Asif, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi, and Mohamed Azmi Hassali Exploring the knowledge and attitude of medical and pharmacy students about generic medicine in Lahore, Pakistan *Journal of Generic Medicines* 1741134317748344 - Foreign



- Hamid Saeed, Zikria Saleem, Mariam Ashraf, Nida Razzaq, Kubra Akhtar, Ammarah Maryam, Nasir Abbas et al. Determinants of Anxiety and Depression Among University Students of Lahore International Journal of Mental Health and Addiction 1-16 1.2 Foreign
- Usama Asif, Zikria Saleem, Mahrukh Yousaf, Hamid Saeed, Furqan Khurshid Hashmi, Muhammad Islam, Mohamed Azmi Hassali & Fahad Saleem. Genderwise clinical response of antipsychotics among schizophrenic patients: a prospective observational study from Lahore International Journal of Psychiatry in Clinical Practice doi: 0.1080/13651501.2017.1395055 1.2
- Zikria Saleem, Hamid Saeed, Farooq MS, Masood A, Aslam S, Qamar M, Khalid M, Islam M, Hashmi FK, Hissali MA Gender wise clinical response of anti-tuberculosis therapy (ATT). A prospective cohort study from Lahore, Pakistan. International Journal of Biology, Pharmacy and Allied Sciences 6 (9) 1694 – 1709 Foreign
- Zikria Saleem, Hamid Saeed, Amna A, Farooq B, Iqra B, Murryam K, Azqa N, Saba A, Areefa T, Muhammad I and Furqan KH. Comparative Safety Profile of Single Versus Combination Antipsychotic Therapy by Using Glassgow Antipsychotic Side Effect Scale (Gass). Neurology and Neurotherapy 2 (2), 1 – 7 Foreign
- Ayesha Rizwan, Zikria Saleem, and Saleha Sadeeqa How Level of Education Relates to Knowledge, Attitude and Practices Regarding Breast Cancer and Its Screening Methods Journal of Advances in Medicine and Medical Research 24(8): 1-8 Foreign
- Ayesha Rizwan, Zikria Saleem, and Saleha Sadeeqa Effect Of Field Of Education On Kapregarding Breast Cancer And Its Screening Methods: A Cross-Sectional Survey Medical Channel 23.3 Foreign
- Asif U, Yousaf M, Zikria Saleem, Raza SA, Iftikhar N, Ibrahim K, Nasir Z, Saeed A and Bashir A. Assessment of CBC Changes in Breast Cancer Patients Following Treatment with 5-Fluorouracil, Adriamycin and Cyclophosphamide (FAC-Protocol) and Adriamycin and Cyclophosphamide (AC-Protocol) J Pharm Res 1(6): 000131 Foreign
- Mahrukh Yousaf, Usama Asif, Khurram Aamir, Inaam-ur-rehman, Sehrish Haider, Afzaal Bashir, Furqan K. Hashmi, Mohamed Azmi Hassali and Zikria Saleem A Retrospective Analysis Regarding Comparative Efficacy and Safety of Hyper-CVAD and MEC Chemo-Protocols in Patients with Chronic Myelogenous Leukemia from Lahore, Pakistan Journal of Pharmaceutical Research International 18(3): 1-10 Foreign
- Akbar Z, Ahmad B, Ahmad M, Zikria Saleem, Saleem U Mode of transmission of hepatitis c virus in district Buner, KPK, Pakistan IJBPA 6(9): 1676-1682 Foreign
- Ayesha Rizwan, Zikria Saleem, Saleha Sadeeqa Effect of Family Income on Knowledge, Attitude and Practices Regarding Breast Cancer and its Screening Methods Amongst Women of Lahore, Pakistan Journal of Applied Pharmaceutical Science 7 (08). 028-033 Foreign
- Development and validation of a spectroscopic method for the simultaneous analysis of miconazole nitrate and hydrocortisone acetate in pharmaceutical dosage form Tropical Journal of Pharmaceutical Research Online February 2017; 16 (2) 413-420



- Effect of Formulation and Process Parameters on Drug Release from Controlled Release Matrix Tablets of Terbutaline Sulphate Latin American Journal of Pharmacy Accepted October 2016 Online February 2017 36 (2): 314-25 (2017)
- An Evaluation of the Binding Strength of Okra Gum and the Drug Release Characteristics of Tablets Prepared from It Pharmaceutics June 2017 9(20) 1-8 Open access
- **Research Journals**
University College of Pharmacy is publishing regular issue of journal under the name of "Pakistan Journal of Pharmacy"

RESEARCH COLLABORATION

- **Indigenous**
Quite a few Faculty members have collaboration with renowned degree awarding Universities and Research groups awarded in different areas of established in the capacities of being co-supervisors for awarding Ph.D. Degrees
- **Foreign Linkages**
A faculty member has collaboration with DeMont Fort University, UK.

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

- **R&D. An Overview**
The Centre was assigned to start post-M.Sc. level teaching and research, and the Centre got engaged in offering M.Phil. Programme in 1974. Centre was the only institute in Pakistan offering M.Phil. degree for many years to come and the graduates secured jobs in the National Research Institutes and Educational Departments. Centre has now expanded its M.Phil. programme to offer state-of-the art programmes (Microelectronics and Nanotechnology) in Pakistan. Research Collaborations with UET (Lahore), IUB (Bahawalpur), BZU (Multan), LCWU (Lahore), FCC (Lahore) and NCP (Islamabad) in the country are established. Internationally collaborations with Chinese Academy of Science Beijing (China), Laser Centre UTM (Malaysia), Institute of Electronics York University York (UK) are established. In Pakistan the Centre offers analytical facilities to MS/Ph.D. students of the Universities mentioned.
- **Projects: Newly Launched**

Sr. No.	Project	Duration	Sponsoring Agency	Funding
1.	Preparation and Characterization of Zirconia-Titania based high Strength Ceramics.	1 Year	Punjab University	Punjab University



○ **Publications**

- H. Shehla, A. Ishaq, A. Ali, F. T. Thema, I. Javed, D. Wang, K. Rauf, K. Nasir, **S. Naseem** and M. Maaza
Silver nanowires stability and burying into substrates under MeV proton irradiation
Current Nanoscience, 12, 2016, 1 **1.096**
- N. Adeela, U. Khan, M. Iqbal, **S. Riaz**, M. Irfan, H. Ali, K. Javed, I. Bukhtiar, M. Khan and **S. Naseem**
Structural and magnetic response of Mn substituted Co₂ Y-type barium hexaferrites
Journal of Alloys and Compounds, 686, 2016, 1017 **3.000**
- K. Siraj, M. Kanwal, S. Saleem, J. D. Pedarnig, M. S. Rafique and **S. Naseem**
Electron beam fracturing of ZnO nanostructures and modification in optical bandgap
Indian Journal of Physics, 90, 2016, 1431 **1.377**
- A. Khalid, M. Ali, G. M. Mustafa, **S. Atiq**, S. M. Ramay, A. Mahmood and **S. Naseem**
Structural and dielectric properties of sol-gel synthesized (Mn, Cu) co-doped BiFeO₃ ceramics
Journal of Sol- Gel Science and Technology, 80, 2016, 814 **1.530**
- N. Adeela, U. Khan, M. Iqbal, **S. Riaz**, H. Ali, M. Khan and **S. Naseem**
Magnetic and dielectric investigations of Mn-doped Ba hexaferrite nanoparticles by hydrothermal approach
Journal of Electronic Materials, 45, 2016, 5853 **1.798**
- M. K. Baig, **S. Atiq**, S. Bashir, H. Soleimani, N. Yahya, **S. Riaz** and **S. Naseem**
Pulsed laser deposition of SmCo thin films for MEMS applications
Journal of Applied Research and Technology, 14, 2016, 287
- R. Zia, F. Saleemi, M. Riaz and **S. Naseem**
Structural and optoelectrical properties of ZnTe thin films prepared by e-beam evaporation
Journal of Electronic Materials, 45, 2016, 4762 **1.800**
- Z. Ahmad, **S. Atiq**, S. K. Abbas, S. M. Ramay, **S. Riaz** and **S. Naseem**
Structural and complex impedance spectroscopic studies of Mg-substituted CoFe₂O₄
Ceramics International, 42, 2016, 18271 **2.758**
- **A. Ahmad** and A. Asad
Pressure-Dependent Structural and Optical Properties of CdSe
Research & Reviews: Journal of Physics, 5, 2016, 1
- **A. Ahmad** and A. Asad
Structural and Optical Properties of ZnSe under Pressure
Research & Reviews: Journal of Physics, 5, 2016, 6
- M. Yousaf, H. M. Rafique, M. Amin, S. M. Ramay and **S. Atiq**
Enhanced ferromagnetic characteristics in Mn-doped ZnO: A promising diluted magnetic semiconductor
Modern Physics Letters B, 30, 2016, 1650398 **0.687**



- L. Mustafa, S. Anjum, S. Waseem, S. Javed, S. M. Ramay and **S. Atiq**
Effect of Co and Ni co-doping on the Structural, magnetic, electrical and optical properties of ZnO
Materials Research Bulletin, 84, 2016, 32 **2.435**
- **S. Atiq**, S. M. Ramay, A. Mahmood, **S. Riaz** and **S. Naseem**
Structural and magnetic properties of chemically synthesized Pd-modified NiFe₂O₄ nanoparticles
Chinese Journal of Chemical Physics, 29, 2016, 245 **0.498**
- **S. Riaz**, S-Ur-Rehman, M. Abutalib, **S. Naseem**
Structural, Optical and Dielectric Properties of Aluminum Oxide Nanofibers synthesized by a Lower-temperature Sol-gel Approach
Journal of Electronic Materials, 45, 10, 2016, 5185 **1.579**
- S. Islam, N. Bidin, M. A. Saeed, **S. Riaz**, M. A. A. Bakar, **S. Naseem**, K. N. Abbas and M. M. Sanagi
Synthesis and characterization of room temperature sol-gel assisted transparent tin-doped magnesium oxide nanoparticles' protective coating
Journal of Sol-Gel Science and Technology, 1-9, 2016 **1.550**
- S. Anjum, H. Saleem, K. Rasheed, R. Zia, **S. Riaz** and A. Usman
Role of Ni²⁺ Ions in Magnetite Nano-particles synthesized by Co-precipitation Method
Journal of Superconductivity and Novel Magnetism, 1-10, 2016 **1.100**
- S. Islam, N. Bidin, **S. Riaz**, **S. Naseem** and M. M. Sanagi
Low temperature sol-gel based erbium doped mullite nanoparticles: structural and optical properties
Journal of the Taiwan Institute of Chemical Engineers, 70, 2017, 366 **2.848**
- S. Islam, N. Bidin, S. S. Osman, G. Krishnan, A. A. Salim, **S. Riaz**, P. S. Lau, **S. Naseem** and M. M. Sanagi
Synthesis and characterization of Ni NPs doped silica-titania nano-composites: structural, optical and photocatalytic properties
Applied Physics A, 123, 2017, 67 **1.444**
- M. S. Akhtar, **S. Riaz**, R. F. Mehmood, K. S. Ahmad, Y. Alghamdi, A. Malik and **S. Naseem**
Surfactant and template free synthesis of porous ZnS nanoparticles
Materials Chemistry and Physics, 189, 2017, 28 **2.101**
- **S. Atiq**, M. Majeed, A. Ahmad, S. K. Abbas, M. Saleem, **S. Riaz** and **S. Naseem**
Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles
Ceramics International, 43, 2017, 2486 **2.758**
- M. Azam, N. Adeela, U. Khan, **S. Riaz**, M. A. Iqbal and **S. Naseem**
Structural and magnetic investigations of Cr substituted NiFe₂O₄ nanostructures
Journal of Alloys and Compounds, 698, 2017, 228 **3.014**



- M. Hassan, R. Irfan, **S. Riaz, S. Naseem, S. S. Hussain** and G. Murtaza
Structural and morphological properties of $Zn_{1-x}Zr_xO$ with room-temperature ferromagnetism and fabricated by using co-precipitation technique
Journal of the Korean Physical Society, 70, 2017, 460 **0.445**
- S. K. Abbas, M. A. Aslam, M. Amir, **S. Atiq**, Z. Ahmed, S. A. Siddiqi and **S. Naseem**
- Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted $BaMnO_3$ hexagonal perovskites
Journal of Alloys and Compounds, 712, 2017, 720 **3.014**
- B. Parveen, M. Hassan, **S. Atiq, S. Riaz, S. Naseem** and S. Zaman
Structural, dielectric and ferromagnetic properties of nano-crystalline Co-doped SnS
Journal of Materials Science, 52, 2017, 7369 **2.302**
- S. Islam, N. Bidin, M. A. Saeed, **S. Riaz**, M. A. A. Bakar, **S. Naseem**, K. N. Abbas and M. M. Sanagi
Synthesis and characterization of room temperature sol-gel assisted transparent tin-doped magnesium oxide nanoparticles' protective coating
Journal of Sol Gel Science and Technology, 81, 2017, 623 **1.53**
- Z. N. Kayani, I. Shah, **S. Riaz** and **S. Naseem**
Effect of Co doping on the physical properties of Co-doped ZnO nanoparticles
Journal of Materials Science: Materials in Electronics, 28, 2017, 5953 **1.798**
- Z. N. Kayani, F. Naz, **S. Riaz** and **S. Naseem**
Characteristics of Al-doped ZnO:Ni films grown on glass by sol-gel dip coating technique
Journal of Saudi Chemical Society, 21, 2017, 425 **2.523**
- Z. N. Kayani, **S. Raiz** and **S. Naseem**
Study of nickel nitride thin films deposited by sol-gel route
Transactions of the Indian Institute of Metals, 70, 2017, 1097 **0.62**
- H. Assi, **S. Atiq**, S. M. Ramay, N. S. Alzayed, M. Saleem, **S. Riaz** and **S. Naseem**
Substituted Mg-Co-Nanoferrite: recyclable magnetic photocatalyst for the reduction of methylene blue and degradation of toxic dyes
Journal of Materials Science: Materials in Electronics, 28, 2017, 2250 **1.798**
- S. K. Abbas, **S. Atiq, S. Riaz** and **S. Naseem**
Thermally activated variations in conductivity and activation energy in $SrMnO_3$
Journal of Materials Science: Materials in Electronics, 28, 2017, 7171 **1.798**
- B. Parveen, M. Hassan, Z. Khalid, **S. Riaz** and **S. Naseem**
Room-temperature ferromagnetism in Ni-doped TiO_2 diluted magnetic semiconductor thin films
Journal of Applied Research and Technology, 15, 2017, 132
- M. Hassan, S. Younas, F. Sher, **S. S. Hussain, S. Riaz** and **S. Naseem**
Room temperature ferromagnetism in single-phase $Zn_{1-x}Mn_xS$ diluted magnetic semiconductors fabricated by co-precipitation technique
Applied Physics-A, 123, 2017, 352 **1.444**



- A. Rauf, S. S. A. Shah, S. A. Rakha, M. Gull, I. Ahmad, Z. Ullah, I. Shah and **S. Naseem**
Inducing the magnetic character in reduced 337ncorpor oxide through 337ncorporation of Fe_2O_3 nanoparticles
International Journal of Modern Physics B, 31, 2017, 1750118
- **I. Sadiq, S. Naseem, S. Riaz, S. S. Hussain**, H. M. Khan, M. N. Ashiq and M. Rana
Study of structural, magnetic and microwave absorption properties of Dy-Mn substituted nanosized material in X-band frequency range
Journal of Alloys and Compound, 715, 2017, 284 **3.014**
- Z. N. Kayani, R. Ishaque, B. Zulfiqar, **S. Riaz** and **S. Naseem**
Fabrication and characterization of nanocrystalline Al, Co:ZnO thin films by a sol-gel dip coating
Optical and Quantum Electronics, 49, 2017, 223 **1.29**
- R. Ashraf, T. Mahmood, **S. Riaz** and **S. Naseem**
Study of the structural and electronic properties of FeO at the LDA and GGA level
Chinese Journal of Physics, 55, 2017, 1135 **0.514**
- S. Honey, A. Ishaq, **S. Naseem**, M. Madhuku, M. Maaza and J. Kennedy
Nickel nanowires mesh fabricated by ion beam irradiation-induced nanoscale welding for transparent conducting electrodes
Materials Research Express, 4, 2017, 075042 **1.068**
- A. Ishaq, S. Honey, NZ. Ali, W. Akram, K. Shakil, A. Dialio, **S. Naseem** and M. Maaza
Improvement of optical transmittance and electrical conductivity of silver nanowires by Cu ion beam irradiation
Materials Research Express, 4, 2017, 075055 **1.068**
- S. Majeed, K. Siraj, **S. Naseem**, M. Khan, M. Irshad, H. Faiz and A. Mahmood
Structural and optical properties of gold incorporated diamond like carbon thin films deposited by RF magnetron sputtering
Materials Research Express, 4, 2017, 076403 **1.068**
- B. Parveen, M. Hassan, **S. Atiq, S. Riaz, S. Naseem** and M. A. Toseef
Structural and dielectric study of nano-crystalline single phase $\text{Sn}_{1-x}\text{Ni}_x\text{S}$ ($x_{\text{Ni}}=0-10\%$) showing room temperature ferromagnetism
Progress in Natural Science: Materials International, 27, 2017, 303 **1.753**
- A. Abid, M. Hassan, **S. S. Hussain, S. Riaz** and **S. Naseem**
Temperature-dependent phase formation, surface morphological and magnetic studies of bismuth iron oxide grown by co-precipitation method
Journal of Superconductivity and Novel Magnetism, 30, 2017, 2549 **1.100**
- M. S. Arshad, N. Mushtaq, **S. Naseem, S. Atiq**, Z. Ahmed, R. Ali, G. Abbas and R. Raza
Nickel foam anode-supported solid oxide fuel cells with composite electrolytes
International Journal of Hydrogen Energy, 42, 2017, 22288 **3.582**



- Z. N. Kayani, T. Kausar, **S. Riaz** and **S. Naseem**
Effect of aluminum doping concentration on optical, magnetic and microstructural properties of MnZnO thin films
Optik- International Journal for Light and Electron Optics, 144, 2017, 172 **0.677**
- Z. N. Kayani, M. Siddiq, **S. Riaz** and **S. Naseem**
Optical, magnetic and structural properties of Cr-doped ZnO thin films by sol-gel dip-coating method
Materials Research Express, 4, 2017, 096403 **1.068**
- S. Honey, **S. Naseem**, A. Ishaq, M. Maaza, M. T. Bhatti and M. Madhuku
Interconnections between Ag-NWs build by argon ions beam irradiation
Journal of Nanomaterials and Molecular Technology, 6, 2017, 1000213 **1.06**
- A. Asif, M. Hassan, **S. Riaz**, **S. Naseem** and **SS. Hussain**
Effects of Zr substitution on structural, morphological, and magnetic properties of bismuth iron oxide phases
Chinese Physics B, 26, 2017, 087502 **1.223**
- S. Hanif, M. Hassan, **S. Riaz**, **S. Atiq**, **S. S Hussain**, **S. Naseem** and G. Murtaza
Structural, magnetic, dielectric and bonding properties of BiMnO₃ grown by co-precipitation technique
Results in Physics, 7, 2017, 3190 **0.946**
- S. Islam, N. Bidin, **S. Riaz** and **S. Naseem**
Self-assembled hierarchical phelphathelein encapsulated silica nanoparticles: structural, optical and sensing response
Sensors and Actuators – A, 266, 2017, 111 **2.499**
- A. Zahra, T. Mahmud, MN. Tahir, H. A Shad, H. Rehman and **S. Naseem**
Synthesis, characterization and magnetic studies of dysprosium complex, [Dy₂(TEA)₂(O₂CPh)₄·2H₂O]
Journal of Chemical Crystallography, 47, 2017, 151 **0.549**
- S. Amjum, R. Tufail, K. Rashid, R. Zia and **S. Riaz**
Effect of Cobalt doping on crystallinity, stability, magnetic and optical properties of magnetic iron oxide nano-particles
Journal of Magnetism and Magnetic Materials, 432, 2017, 198 **2.63**
- S. Anjum, R. Rufail, H. Saleem, R. Zia and **S. Riaz**
Investigation of Stability and Magnetic Properties of Ni-and Co-Doped Iron Oxide Nano-particles
Journal of Superconductivity and Novel Magnetism, 30, 2017, 2291 **1.18**
- U. Khan, N. Adeela, W. Li, M. Irfan, K. Javed, **S. Riaz** and X. F. Han
Fabrication, Morphology, Structural and Magnetic Properties of electrodeposited Fe₃Pt nanowires and nanotubes
Journal of Magnetism and Magnetic Materials, 424, 2017, 410 **2.357**



- S. Anjum, H. Saleem, K. Rasheed, R. Zia, **S. Riaz** and A. Usman
Role of Ni^{2+} Ions in magnetic nano-particles synthesized by co-precipitation method
Journal of Superconductivity and Novel Magnetism, 30, 2017, 1177 **1.180**
- A. Iqbal, N. Khan, BA. Bacha, A-Ur. Rahman and **A. Ahmad**
Photon drag enhancement by a slow-light moving medium via electromagnetically-induced transparency amplification
Physics Letters A, 381, 2017, 3134 **1.772**
- N. Khan, BA. Bacha, A. Iqbal, A-Ur. Rahman and **A. Ahmad**
Gain-assisted superluminal propagation and rotatory drag of photon surface plasmon polaritons
Physical Review A, 96, 2017, 013848 **2.925**
- N. Khan, BA. Bacha, A. Iqbal, A-Ur. Rahman and **A. Ahmad**
Erratum: Gain-assisted superluminal propagation and rotary drag of photon and Surface plasmon polaritons
Physical Review A, 96, 2017, 013848 **2.925**
- M. Yousaf, H. M. Rafique, M. Amin, S. M. Ramay, **S. Atiq**, N. S. Alzayed and S. A. Siddiqi
Visible-light-induced Fe-doped ZnO magnetic photocatalyst nanoparticles for degradation of methylene blue
Digest Journal of Nanomaterials and Biostructures, 12, 2017, 91 **0.836**
- S. M. Ramay, M. Saleem, **S. Atiq**, S. A. Siddiqi, M. Imran, Y. S. Al-Zeghayer, A. S. Al-Awadi, S. Haider and A. Mahmood
RKKY magnetic interactions in chemically synthesized $\text{Zn}_{0.95-x}\text{Fe}_{0.05}\text{Al}_x\text{O}$ ($x = 0, 0.03, 0.05, 0.07$) nanocrystallites
Arabian Journal of Chemistry, 10, 2017, 1204 **4.553**
- K. Ahmed, F. Kanwal, S. M. Ramay, **S. Atiq**, A. Khan and A. Mahmood
Study of the effect of pva on dielectric constant and structure of TiO_2 Polypyrrole composites prepared by in-situ polymerization
Digest Journal of Nanomaterials and Biostructures, 12, 2017, 775 **0.836**
- M. Amin, H. M. Rafique, M. Yousaf, S. M. Ramay, M. Saleem, S. K. Abbas and **S. Atiq**
Multiferroicity in sol – gel synthesized Sr/Mn co-doped BiFeO_3 nanoparticles
Journal of Materials Science – Materials in Electronics 28, 2017, 14696 **2.019**
- B. Ahmad, R. Raissat, S. Mumtaz, Z. Ahmad, **I. Sadiq**, M. N. Ashiq and M. Najam-ul-Haq
Multiferroics $\text{BiMn}_{1-x}\text{Al}_x\text{O}_3$ nanoparticles: Synthesis, characterization and evaluation of various structural, physical, electrical and dielectric parameters
Journal of Magnetism and Magnetic Materials 433, 2017, 71 **2.630**
- **Conferences, Seminars and Workshops, etc.**
1st International Conference on Computational Physics, April 09, 2017, held at Department of Physics, University of Lahore.
Attended By: Dr. Afaq Ahmad



Research Collaboration

○ Indigenous

- University of Engineering & Technology, Lahore
- Lahore College for Women University, Lahore
- Islamia University Bahawalpur
- Bahauddin Zakaria University, Multan
- Govt. College University, Lahore
- Forman Christian College, Lahore
- National Centre of Physics, Islamabad

○ Foreign

- School of Chemistry, University of Manchester, UK
- Chinese Academy of Sciences Beijing, China
- Laser Centre, University Technology Malaysia
- Institute of Electronics, York University, York, UK

CENTRE FOR HIGH ENERGY PHYSICS

○ Research publications

Sr. No.	Name of Faculty Member / Co-authors	Title of Research Paper	Name of Publishing Journal	Vol.	Impact Factor (IF)
1	Dr. Bilal Masud Dr. Faisal Akram Mr. M. Atif Sultan	Higher hybrid bottomonia in an extended potential model	Physical Review D	95, 074018	4.691
2	Dr. Bilal Masud Dr. Faisal Akram	$D^0\bar{D}^{0*}$ ($D^0\bar{D}^{0*}$) system in QCD-improved many body potential	Chinese Physics C	41,	3.761
3	Dr. Maqsood Ahmad	Composition induced influence on the electronic band structure, optical and thermoelectric coefficients of the highly mismatched GaSb alloy over the entire range: A DFT analysis	Journal of Alloys and Compounds	693(102 0-1027	3.133
4	Dr. Munawar Iqbal	Simulation and test of a point focused electron beam emitter	Instruments and Experimental Techniques	60	0.437
5	Dr. Munawar Iqbal	Structural and magnetic investigations of Cr substituted NiFe ₂ O ₄ nanostructures	Journal of Alloys and Compounds	698	3.133
6	Dr. Munawar Iqbal	The beam energy feedback system of Beijing electron positron collider II linac	Review of Scientific Instruments	88(3)	1.336



7	Dr. Munawar Iqbal	Low temperature nucleation of Griffiths Phase in Co doped LaMnO ₃ nanostructures.	Applied Surface Science	422	3.387
8	Dr. M. Ayub Faridi	Study of magnetic and optical properties of Zn _{1-x} TM _x Te (TM=Mn, Fe, Co, Ni) diluted magnetic semiconductors: First principle approach	Chin. Phys. B	26	1.25
9	Dr. M. Ayub Faridi	Study of Electronic, Mechanical, Magnetic, and Optical Properties of Mg _{0.75} Ti _{0.25} Se (TM= Fe, Co, Ni): A First Principle Approach	Journal of Superconductivity and Novel Magnetism	1-11	1.18
10	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Amplitude Analysis of the Decays $\eta' \rightarrow \pi^+ \pi^- \pi^0$ and $\eta' \rightarrow \pi^0 \pi^0 \pi^0$ ", BESIII Collaboration, Phys. Rev. Lett. (USA) 118, 012001 (2017) - Published 5 January 2017	Phys. Rev. Lett	118	7.943
11	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Amplitude analysis of the $\chi_{c1} \rightarrow \eta \pi^+ \pi^-$ decays", BESIII Collaboration, Phys. Rev. D (USA) 95, 032002 (2017) - Published 13 February 2017	Phys. Rev. D	95	4.691
12	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Evidence of Two Resonant Structures in $e^+ e^- \rightarrow \pi^+ \pi^- h_c$ ", BESIII Collaboration, Phys. Rev. Lett. (USA) 118, 092002 (2017) - Published 1 March 2017	Rev. Lett.) 118	7.943
13	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Precise $e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to 4.60 GeV", BESIII Collaboration, Phys. Rev. Lett. (USA) 118, 092001 (2017) - Published 1 March 2017	Phys. Rev. Lett.	118	7.943
14	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Observation of $\Lambda_c^+ \rightarrow n K_s^0 \pi^+$ ", BESIII Collaboration, Phys. Rev. Lett. (USA) 118, 112001 (2017) - Published 14 March 2017	Phys. Rev. Lett	118	7.943
15	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	"Study of J/ψ and $\psi(3686)$ decay to $\Lambda^- \Lambda$ and $\Sigma^0 \Sigma^0$ final states", BESIII Collaboration, Phys. Rev. D (USA) 95, 052003 (2017) - Published 15 March 2017	Phys. Rev. D	95	4.691



16	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Measurement of higher-order multipole amplitudes in $\psi(3686) \rightarrow \gamma \chi_{c1,2}$ with $\chi_{c1,2} \rightarrow \gamma J/\psi$ and search for the transition $\eta_c(2S) \rightarrow \gamma J/\psi$ ”, BESIII Collaboration, Phys. Rev. D (USA) 95, 072004 (2017) - Published 06 April 2017	Phys. Rev. D	95	4.691
17	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Amplitude analysis of $D^0 \rightarrow K^- \pi^+ \pi^+ \pi^-$ ”, BESIII Collaboration, Phys. Rev. D (USA) 95, 072010 (2017) - Published 14 April 2017	Phys. Rev. D	95	4.691
18	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Search for the radiative leptonic decay $D^+ \rightarrow \gamma e^+ \nu_e$ ”, BESIII Collaboration, Phys. Rev. D (USA) 95, 071102 (2017) - Published 24 April 2017	Phys. Rev. D	95	4.691
19	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Improved measurements of branching fractions for $\eta_c \rightarrow \phi \phi$ and $\omega \phi$ ”, BESIII Collaboration, Phys. Rev. D (USA) 95, 092004 (2017) – Published 11 May 2017	Phys. Rev. D	95	4.691
20	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Observation of $\psi(3686) \rightarrow e^+ e^- \chi_{c1}$ and $\chi_{c1} \rightarrow e^+ e^- J/\psi$ ”, BESIII Collaboration, Phys. Rev. Lett. (USA) 118, 221802 (2017) - Published 30 May 2017	Phys. Rev. Lett	118	7.943
21	Dr. Abrar Ahmad Zafar Dr. Talab Hussain Dr. Qadeer Afzal Malik BES III Collaboration	“Evidence for the singly Cabibbo suppressed decay $\Lambda_c^+ \rightarrow p \eta$ and search for $\Lambda_c^+ \rightarrow p \pi^0$ ”, BESIII Collaboration, Phys. Rev. D (USA) 95, 111102 (2017) – Published 30 June 2017	Phys. Rev. D	95	4.691

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **An Overview**

The Centre has been established to address the demands of integrated sustainable research and development of mountainous areas of Pakistan. To meet these challenges, the framework of CIMR is organized into five thematic research and development divisions:

- Mountain Resource Division (MRD)
- Resource Development Division (RDD)



- Resource Management Division (RMD)
- Project Planning Division (PPD)
- Documentation Division (DD)

○ **Projects**

Research Projects funded by University of the Punjab

- An appraisal of climate change impacts on the hydrology of the mountainous catchment, Upper Indus Basin Pakistan. ” funded by PU, Lahore. P.I. Dr. Khalida Khan
- Assessment, analysis and management of meteorological drought in Punjab-Pakistan: A study of some affected districts” funded by PU, Lahore. P.I. Dr. Safdar Ali Shirazi

▪ **Newly launched**

- Causes, consequences & occurrence of extreme weather events and climate variability in Punjab-Pakistan: a spatio-temporal analysis. Submitted in University of the Punjab. P.I Dr. Safdar Ali Shirazi
- “Detection of land cover changes in Baluchistan (shared between Iran, Pakistan and Afghanistan) using satellite remote sensing products” Funded by Pakistan Science Foundation, Islamabad (in progress). P.I Dr. Safdar Ali Shirazi
- Quantitative appraisal of mountainous catchments characteristics and their implications for hydrologic processes in Upper Indus Basin Pakistan. Submitted in University of the Punjab P.I: Engr. Dr. Muhammad Yaseen.

▪ **MPhil/ PhD Research Projects**

- Solid waste and its impacts on climate change through GHG emission and sustainable waste management in Lahore region, Punjab-Pakistan
- Climate Change Impacts on Glacier and Snowmelt Runoff of Mountainous Catchment using Remote Sensing and Snow Runoff Modelling – Case Study Gilgit Baltistan
- Hazard Risk modelling of Glacial Lake Outburst under changing climate, Upper Indus Basin Pakistan
- Role of forestry in sustainable development in socio economic uplift of the farming community of Soon Valley, Punjab-Pakistan
- Geo-spatial Techniques for Assessment of Potential water Harvesting Sites and conservation Capacities, Pothwar Region Pakistan
- Climate change impacts on landcover/landuse of Pothwar Platu, District Chakwal-Pakistan
- Evaluation of morphometric parameters and their implications for hydrologic processes in mountainous catchments of Upper Indus Basin Pakistan
- Integrated Land and Water Resources Management for Food Security and Environmental Sustainability in mountainous region of Pakistan
- Assessment and monitoring of Agriculture drought bu using Remote Sensing and GIS techniques in Pothwar region of Pakistan



- Monitoring and Assessment of Soil Loss in Soan River Basin by the integration approach of RS and GIS based hydrological model
- Mapping and Prediction Of Ground Water Potential Zones For The Sustainability Of Ground Water Resources By Integrated approach RS and GIS
- Estimation of above ground forest biomass in Nalter Valley of Gilgit Baltistan (REDD+)
- The spatial assessment of the hydrological indicators and their impact on the ecological perturbation of Mangla Watershed, Pakistan
- Cumulative impacts assessment & management of proposed Chiniot dam, Kirana Hill, Punjab-Pakistan
- Geo-spatial techniques for Disaster Risk Reduction and Management of Proposed Chiniot Dam Project, Kirana Hill, Punjab-Pakistan
- The critical analysis of implementation of environmental management plan at Neelum Jhelum Hydropower Project.
- Flood Risk Analysis of the River Chenab Under future Climatic Change Scenarios in the selected Reach

○ **Publications**

- H. Mehmood, Sajjad H. S and Shirazi S.A (2017). "Spatio-Temporal Trends and Patterns of Urban Sprawl in Gujranwala City, Punjab-Pakistan". Pakistan Journal of Science, Vol. 69 No. 1 March, 2017 pp.63-68 Lahore
- Shirazi, S.A., Hussain, M. S., and Abbas, S. (2017). Climate Change impact on Agriculture and prevalence of Food Security in Punjab, Pakistan. THE SYMPOSIUM ON THE IMPACT OF CLIMATE CHANGE ON AGRICULTURE. TEACHERS COLLEGE, JEJU NATIONAL UNIVERSITY organized by Ku, Climate Research institute (CRI) , Konkuk University. 22-23 August (2017)
- A.Anila, Shirazi S.A, K, Sumaira, Minallah M, N and Wahla S.S (2017). "Spatial Distribution and Trends of Fertility Differentials in Toba Tek Singh District, Punjab-Pakistan "Journal of Basic & Applied Sciences, 2017, <https://doi.org/10.6000/1927-5129.2017.13.26>
- Abbas S, Shirazi, S.A and Qureshi S.(2017) "SWOT analysis for socio-ecological landscape variation as a precursor to management of the mountainous Kanshi watershed, Salt Range of Pakistan" International Journal of Sustainable Development & World Ecology Taylor & Francis DOI: 10.1080/13504509.2017.1416701
- Shirazi, S.A and Kazmi, S.J.H. (2016). Analysis of Socio-environmental Impacts of the Loss of Urban Trees and Vegetation in Lahore, Pakistan: A Review of Public Perception. Ecological Processes. 5(1).
- Siddiqui.S, Shirazi.S.A and Ali.A. (2016). A Floristic Analysis of Selected Parks in Lahore – Pakistan. Journal of the Punjab University Historical Society. 29 (2)



- Latif, Y. Yaoming, M. and Yaseen, M. (2016): Spatial analysis of precipitation time series over the Upper Indus Basin. Theoretical and Applied Climatology. Published online December 2016
- Shehzad, T., M. Yaseen, M., Afzal, M., Khan, K., Rizwan, M.A., Ahmad, S.R., and Bhatti, H.A. (2017). Performance evaluation of sodium bentonite material for seepage control in irrigation channels. Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan Vol. 22 No. I.
- Yaseen, M., Shah, R.W., Latif, Y., Nabi, G. and Safdar Ali Shirazi, S.A. (2017). Hydro-climatic variability and runoff response due to climate change acceleration over Indus, Kabul and Jehlum river basin. Submitted in Theoretical and Applied Climatology
- Yaseen, M, Nabi, G., Latif, Y., Afzal, M. and Rehman, M.H. (2017). Impact of altitudinal variability on streamflows in mountainous catchments under changing climate (Upper Indus Basin) Himalayas-Pakistan. Submitted in Journal of Himalayan Earth Sciences
- Yaseen, M, Nasir, B, Azam, M.I, Rehman, M.H., and Ahmed, I. (2017). Evaluation of suitable design flood frequency approaches for the mountainous watersheds (a case study of Upper Indus Basin). Submitted in International Conference on Hydropower: A Vital Source of Sustainable Energy for Pakistan. December 19-20, 2017.
- Abbas, S., Khan, K., and Kasour, S., (2016):SWOT analysis for Green Economic Development as a preamble to Local community and Sustainable Tourism Development, HKH region, Pakistan. SCIENCE- INTERNATIONAL LAHORE, VOL. 28(3), Pp.2979- 2985 ISSN: 1013-5316.
- Abbas, S., Khan, K., and Ali, Z., (2016):Green economic growth: an opportunity for sustainability and poverty alleviation, HKH region, Pakistan. SCIENCE- INTERNATIONAL LAHORE, VOL. 28(4), Pp.3715- 3721 ISSN 1013-5316.
- Ali, A.K., Khan, K., and Abbas, S., (2017): Integrated Appraisal For Sustainable Tourism Management And Socio-Economic Growth: Implications For Local Community Development Mechanism, Gilgit-Baltistan, Pakistan. SCIENCE- INTERNATIONAL LAHORE, VOL. 28(5), Pp.4937-4941 ISSN 1013-5316
- Abbas, S., Khan, K., and Ali, A.K.,. (2016): REED Plus And Their Impact On Green Economy Growth: Implication For Sustainable Forest Development, Swat Valley Khyber Pakhtunkhwa Pakistan. SCIENCE INTERNATIONAL-(LAHORE), VOL. 28(5), Pp.3472-3478 ISSN: 1013-5316.
- Ali, Z., Khan, K., and Abbas, S., (2016) Physio-Chemical And Biological Physiognomies Of Drinking Water And Its Impact on Human Health, Murree-Foothills Himalayas, Pakistan. SCIENCE INTERNATIONAL-(LAHORE), VOL. 28(6), Pp.5263-5266 ISSN: 1013-5316.
- Abbas, S., and Sherazi, S.A., (2017) Climatic impact on Agricultural Production and Green Economic Growth: Implication for local Community Development and Poverty Alleviation, Khyber Pakhtunkhwa, Pakistan. Submitted Journal of Agricultural Economics (in Publication Process)



○ **Book /Book Chapters**

- Identification of Soil (زمینوں کی پہچان)
- MOUNTNEWS, revival of the only Magazine in the country on the mountainous regions, (7 Issues Published)
- Land Resource of Pakistan Book (in process)

○ **Conferences, Seminars and Workshops**

International Conferences/Workshops

- The 12th Korea-China-Japan Joint Conference on Geography & The 3rd Asian Conference on Geography “Toward a Sustainable Environments and Human Societies” August 23-26,2017 held at the Jeju National University,Jeju,Republic of Korea. Attended and presented a paper titled “Climate Change Impact on Agriculture and Prevalence of Food Security in Punjab, Pakistan”.
- The Symposium on “the Impact of Climate Change on Agriculture” August 22-23, 2017,Organized by Climate Research Institute ,Konkuk University, Republic of Korea held at the Jeju National University,Jeju. Attended and presented a paper titled “Climate Change Impact on Agriculture and Prevalence of Food Security in Punjab, Pakistan”
- Three-Day International Conference on “Global Environment Change and Role of Geographers” July,25-27,2017,Department of Geography, Baragali Summer Campus, University of Peshawar-Peshawar-Pakistan.
- Jointly presented three papers i) Monitoring Climate Change Impacts on Glacial Mass Fluctuations in Hunza Valley and Shyok Basins:A Case Study of Hispar and Kondus Glaciers in the Karakorum” ii) “Application of High Resolution Synthetic Aperture Radar(SAR)images to Detect Urban Flooded Area of Lahore City” iii) “Impact of Rainfall and Temperature Variability on Wheat Production: A Case Study of District Bahawalnagar-Pakistan”

○ **National Conferences/Workshops:**

- First South Asian Regional SURE Conference 18-20 January, 2017, Department of Geography, University of Karachi-Pakistan. Attended as Plenary Speaker and presented paper titled “Use and Perception of Urban Greening in Rapidly Urbanizing Landscape of Lahore: A Social-Ecological Study”.
- Attended and contributed in Five days training course on “Groundwater Modelling and Management” organized by the Centre of Excellence in Water Resources Engineering, UET, Lahore, November 29 to December 03, 2016.
- Participated in One day stakeholder Consultative workshop on “Water Resources Management” organized by the Centre of Excellence in Water Resources Engineering, UET, Lahore, August 29, 2016.
- Participated National Consultation on Pakistan’s REDD+ Readiness Proposal for Forest Carbon Partnership Fund held on Forest Sectary Office, Lahore



- Organized Prime Minister's Green Pakistan Programme: Spring Tree Plantation Campaign, 2017 held on February 09, 2017
- Organized Seminar on "Drone Technology for Mountain Research and Development" on November 07, 2017.
- Organized and celebrated "International Mountain Day" on December 11, 2017.

CENTER FOR UNDERGRADUATE STUDIES

Centre has produced about 71 research articles of good impact, published in journals of national and international repute. Faculty members of Centre also participated and presented papers in different National and International Conferences.

○ **Projects completed**

Name of Researcher	Sponsoring Agency	Financial Support	Research Area
Dr. Najam ul Sehar Afshan	University of the Punjab	1,50,000	Botany
Dr. Shabnam Javed	University of the Punjab	1,25,000	Chemistry
Dr. Bushra Nisar Khan	University of the Punjab	1,25,000	Zoology
Ms. Sadaf Aslam	University of the Punjab	1,25,000	Zoology
Ms. Amara Dar	University of the Punjab	1,25,000	Chemistry
Ms. Robina Begum	University of the Punjab	1,25,000	Chemistry
Ms. Humaira Tariq	University of the Punjab	1,25,000	English

○ **Newly launched**

Name of Researcher	Sponsoring Agency	Financial Support	Research Area
Dr. Najam ul Sehar Afshan	University of the Punjab	1,50,000	Botany
Mr. Javed Ghani	University of the Punjab	1,25,000	Pakistan Studies
Ms. Kanwal Hayat	University of the Punjab	1,25,000	Pakistan Studies
Dr. Bushra Nisar Khan	University of the Punjab	1,50,000	Zoology
Ms. Sadaf Aslam	University of the Punjab	1,25,000	Zoology
Ms. Robina Begum	University of the Punjab	1,25,000	Chemistry
Dr. Muhammad Younis	University of the Punjab	1,50,000	Mathematics
Dr. Shabnam Javed	University of the Punjab	1,50,000	Chemistry
Ms. Fatima Noreen	University of the Punjab	1,25,000	Islamiyat
Dr. Nighat Jamal	University of the Punjab	1,50,000	French

○ **Publications (books & chapters)**

Sr. No.	Name of faculty members	Title of research paper	Name of publishing journal	Volume/Page no.
01	Dr. Najam ul Sehar Afshan	<i>Xanthagaricus pakistanicus</i> sp. nov. (Agaricaceae), the first report of the genus from Pakistan	<i>Turkish Journal of Botany</i>	(2017), 41: © TÜBİTAK doi:10.3906/bot-1705-21



02	Dr. Najam ul Sehar Afshan	The genus <i>Parasola</i> in Pakistan with the description of two new species	<i>Mycokeys</i>	(2017), accepted
03	Dr. Najam ul Sehar Afshan	First report of the uredinal and telial states of <i>Puccinia heraclei</i> in Pakistan.	<i>Journal of Plant Pathology</i>	(2017), 99 (3): DOI: 10.4454/jpp.v99i3.3964
04	Dr. Najam ul Sehar Afshan	<i>Euoidium vernoniicola</i> , a new report for Pakistan.	<i>Plant Pathology & Quarantine</i>	(2017), 7(2): 142–144
05	Dr. Najam ul Sehar Afshan	<i>Parasola malakandensis</i> sp. nov. (Psathyrellaceae; Basidiomycota) from Malakand, Pakistan	<i>Mycoscience</i>	(2017), 58(2): 69
06	Dr. Najam ul Sehar Afshan	New reports and host records of Rust fungi from Pakistan	<i>Bangladesh Journal of Botany</i>	(2017), 46(1): 73-81
07	Dr. Najam ul Sehar Afshan	First Report of Rust Caused by <i>Pucciniastrum guttatum</i> on <i>Galium</i> sp. from Pakistan	<i>Plant Disease</i>	(2017), 101 (1): 245
08	Dr. Najam ul Sehar Afshan	Diversity and distribution of rust fungi causing plant diseases in Swat district, Khyber Pakhtunkhwa (KP), Pakistan	<i>Science International (Lahore)</i>	(2016), 28(4): 3993-4000
09	Dr. Najam ul Sehar Afshan	New host records for Pathogenic fungi in Pakistan	<i>Science International (Lahore)</i>	(2016), 28(3): 3083-3087
10	Dr. Najam ul Sehar Afshan	First record of <i>Parasola lilatincta</i> from Pakistan	<i>Mycotaxon</i>	(2016), 131(2): 316-322
11	Dr. Najam ul Sehar Afshan	<i>Tulostoma ahmadii</i> sp. nov. and <i>T. squamosum</i> from Pakistan.	<i>Turkish Journal of Botany</i>	(2016), 39: 1502-1509
12	Dr. Najam ul Sehar Afshan	New host records for <i>Puccinia graminis</i> , black stem rust, in Pakistan	<i>Science International (Lahore)</i>	(2016), 28(3), 3089-3090
13	Mrs. Amara Dar	Migration of ions and gases by directional freezing of water	<i>Arabian Journal of chemistry</i>	2016
14	Mrs. Amara Dar	Biogenic synthesis of silver nanoparticles using Multanimitti (Fuller's earth), Tomato (<i>Solanum lycopersicum</i>) seeds, Rice Husk (<i>Oryza Sativa</i>) and evaluation of their potential antimicrobial activity	<i>Journal of Chemical Society of Pakistan</i>	2016
15	Mrs. Amara Dar	A simple spot test Quantification method to determine formaldehyde in aqueous samples,	<i>Journal of Saudi Chemical society</i>	2016
16	Mrs. Amara Dar	Cost effective approach for water defluoridation	<i>Journal of Chemical Society of Pakistan</i>	2017
17	Mrs. Amara Dar	A comparative biosorption study of sulfide (S ²⁻) by using <i>Lagenariasiceraria</i> fruit based raw biosorbents	<i>Bangladesh Journal of Scientific and Industrial Research</i>	2017
18	Mrs. Amara Dar	Synthesis of silver nanoparticles of mesocarp of <i>Lagenaria siceraria</i> fruit by using oleylamine and evaluation of its antimicrobial action against clinically used pathogens,	<i>International Journal of Modern Biological Research</i>	2017



19	Mrs. Amara Dar	Evaluation of antioxidant potential and comparative analysis of antimicrobial activity of various extract of <i>Cucurbita pepo</i> L. leaves	<i>Journal of Agricultural and Food Technology,</i>	2017
20	Mrs. Amara Dar	Removal of anionic dye from industrial effluents with raw and chemically modified chickpea husk	<i>Journal of the Chemical Society of Pakistan</i>	2017 (accepted)
21	Dr. Bushra Nisar Khan	Assessment of Population Trends of Birds at Taunsa Barrage Wildlife Sanctuary, Pakistan	<i>Biologia</i>	2016
22	Dr. Bushra Nisar Khan	Impact of Different Captive Environmental Conditions on Behavior of African Lions and their Welfare at Lahore Zoo and Safari Zoo, Lahore	<i>Pakistan Journal of Zoology</i>	2016
23	Mrs. Arooj Naseer	<i>Phylloporus brunneiceps</i> from Pakistan	<i>Mycotaxon</i>	2017
24	Mrs. Arooj Naseer	<i>Descolea quercina</i> (Basidiomycota, Bolbitaceae), a new species from moist temperate forests in Pakistan	<i>Mycology</i>	2017
25	Mrs. Arooj Naseer	A new species of <i>Inocybe</i> (Agaricomycetes, Inocybaceae) in the <i>Inosperm</i> clade from Pakistan	<i>Mycotaxon</i>	2017
26	Mrs. Arooj Naseer	<i>Amanita pallidrosea</i> in Pakistan and its ectomycorrhizal association with <i>Quercus oblongata</i>	<i>Mycotaxon</i>	2017, accepted
27	Mrs. Robina Begum	Advancement in Multi-Functional Poly(styrene)-Poly (N-isopropylacrylamide) Based Core Shell Polymer Microgels and their Application	<i>Polymer reviews</i>	2017, accepted
28	Mrs. Robina Begum	Engineering of responsive polymer based nano-reactors for facile mass transport and enhanced catalytic degradation of 4-nitrophenol	<i>Journal of Environmental Sciences</i>	2017
29	Mrs. Robina Begum	Catalytic Reduction of 2-nitroaniline: A Review	<i>Environmental Science and pollution research</i>	2017
30	Mrs. Robina Begum	Platinum Nanoparticles Fabricated Multi-Responsive Microgel Composites: Synthesis, Characterization and Applications	<i>Polymer composites</i>	2016
31	Mrs. Robina Begum	Catalytic Reduction of 4-Nitrophenol using silver nanoparticles engineered poly(N-isopropylacrylamide-co-acrylamide) hybrid microgels	<i>Applied Organometallic Chemistry</i>	2016
32	Mrs. Robina Begum	Responsive Hybrid Microgels for Catalytic Applications: A Review	<i>Materials Science and Technology,</i>	2016
33	Mrs. Robina Begum	Synthesis and Characterization of inorganic-organic hybrid microgels for catalytic reduction of 4-nitroaniline in aqueous medium	<i>Polymer Composites,</i>	2016



34	Mrs. Robina Begum	Physical Chemistry of Catalytic Reduction of Nitroarenes Using Various Nano-catalytic Systems: Past, Present and Future	<i>Journal of Nanoparticle Research</i>	2016
35	Mrs. Robina Begum	Poly(N-isopropylacrylamide-acrylic acid) copolymer microgels for various applications: A Review	<i>International Journal of Polymeric materials and biomaterials,</i>	2016
36	Mrs. Robina Begum	Fabrication of silver nanoparticles in pH responsive Polymer microgel dispersion for catalytic reduction of nitrobenzene in aqueous medium	<i>Russian Journal of Physical Chemistry</i>	2016
37	Mrs. Robina Begum	"Review on synthesis, properties, characterization and applications of gold nanostructures fabricated responsive microgels	<i>Reviews in Chemical Engineering</i>	2016
38	Mrs. Robina Begum	Kinetics and mechanism of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacrylamide-co-allylacetic acid) hybrid microgels	<i>Materials Chemistry and Physics</i>	2016
39	Mrs. Robina Begum	"A review of responsive hybrid microgels fabricated with silver nanoparticles: synthesis, classification, characterization and applications	<i>Journal of Sol-Gel Science and Technology</i>	2016
40	Mrs. Robina Begum	"Engineering of silver nanoparticles fabricated poly (N-isopropylacrylamide-co-acrylic acid) microgels for rapid catalytic reduction of nitrobenzene	<i>Journal of Polymer Engineering</i>	2016
41	Dr. Shabnam Javed	Identification and Antiproliferative Activity of Triterpenes from the Genus <i>Monothea</i> A	<i>DC. Records of Natural Product</i>	2017
42	Dr. Shabnam Javed	Antifungal activity and GC-MS analysis of aerial parts of <i>Cenchrus pennisetiformis</i> , against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	<i>Planta Daninha</i>	2017, accepted
43	Dr. Muhammad Younis	Optical solitons with time fractional nonlinear Schrodinger equation and competing weakly nonlocal nonlinearity	<i>Optik-International Journal for Light and Electron Optic</i>	2017
44	Dr. Muhammad Younis	New thirring optical solitons with vector coupled Schrodinger equations in birefringent fibers	<i>Waves in Random and Complex Media</i>	2017
45	Dr. Muhammad Younis	Optical bright-dark and Gaussian siliton with third order dispersion	<i>Optik-International Journal for Light and Electron Optics</i>	2017
46	Dr. Muhammad Younis	Symbolic computation and abundant traveling wave solutions to Kdv-mKdv equation,	<i>Pramana-Journal of Physics</i>	2017
47	Dr. Muhammad Younis	Weakly nonlocal single and combined solitons in nonlinear optics with cubic quintic nonlinearities	<i>Journal of Nanoelectronics and Optoelectronics</i>	2017



48	Dr. Muhammad Younis	Dark and singular optical solitons perturbation with fractional temporal evolution	<i>Superlattice and Microstructures</i>	2017
49	Dr. Muhammad Younis	Dynamics of optical solitons in dual-core fibers via two integration schemes	<i>Superlattice and Microstructures</i>	2017
50	Dr. Muhammad Younis	Optical solitons in $(n + 1)$ -dimensions with Kerr and power law nonlinearities	<i>Modern Physics Letters B</i>	2017
51	Dr. Muhammad Younis	Exact soliton of $(2+1)$ -dimensional fractional Schrodinger Equation,	<i>Superlattice and Microstructures</i>	2017
52	Dr. Muhammad Younis	Dipole and Gaussonsoliton for ultrashort laser pulse with high order dispersion,	<i>Superlattice and Microstructure</i>	2017
53	Dr. Muhammad Younis	Solitary wave solutions for quintic complex Ginzburg-Landau model	<i>Optik-International Journal for Light and Electron Optic</i>	2017
54	Dr. Muhammad Younis	Bright, dark and other optical solitons with second order dispersion	<i>Optik-International Journal for Light and Electron Optics</i>	2017
55	Dr. Muhammad Younis	Bell and kink type soliton solutions in birefringentnano-fibe	<i>Optik-International Journal for Light and Electron Optics</i>	2017
56	Dr. Muhammad Younis	Optical dark and dark-singular solitons with anti-cubic nonlinearity	<i>Optik-International Journal for Light and Electron Optics</i>	2017
57	Dr. Muhammad Younis	Soliton solutions for quintic complex Ginzburg-Landau model	<i>Superlattice and Microstructures</i>	2017
58	Dr. Muhammad Younis	On optical solitons: the nonlinear Schrodinger equation with self-steepening and self-frequency shift	<i>Optical and Quantum Electronics</i>	2017
59	Dr. Muhammad Younis	Optical Gaussons and dark solitons in directional couplers with spatiotemporal dispersio	<i>Optical and Quantum Electronics</i>	2017
60	Dr. Muhammad Younis	New and more exact traveling wave solutions to integrable $(2+1)$ -dimensional Maccari	<i>Nonlinear Dynamics</i>	2016
61	Dr. Muhammad Younis	New and more general traveling wave solutions for nonlinear Schrodinger equation	<i>Waves in random and complex media</i>	2016
62	Dr. Muhammad Younis	Optical soliton like pulses in ring cavity fibers of carbon nanotubes	<i>Journal of Nanoelectronics and Optoelectronics</i>	2016



63	Dr. Muhammad Younis	Dispersive optical solitons in nanofibers with Schrodinger-Hirota equation	<i>Journal of Nanoelectronics and Optoelectronics</i>	2016
64	Dr. Muhammad Younis	Saturation of the nonlinear refractive index for optical solitons in two-core fibers	<i>Optik-International Journal for Light and Electron Optics</i>	2016
65	Dr. Muhammad Younis	Thirring optical solitons in birefringent fibers with parabolic law nonlinearity	<i>Optoelectronics and Advanced Materials-Rapid Communications</i>	2016
66	Dr. Muhammad Younis	Single and combined optical solitons with third order dispersion in Kerr media	<i>Optik-International Journal for Light and Electron Optics</i>	2016
67	Dr. Muhammad Younis	On optical solitons: The chiral nonlinear Schrodinger equation with perturbation and Bohm potential	<i>Optical and Quantum Electronic</i>	2016
68	Dr. Muhammad Younis	Combo-solitons in two-core nonlinear optical fibers	<i>Journal of Computational and Theoretical Nanoscience</i>	2016
69	Mrs. Fatima Noreen	Verses of Holy Quran about Jihad and Orientalist point of view	<i>Al Idwa</i>	2017
70	Mrs. Fatima Noreen	Commandment of Abrogation and the Idea of forbidding Wrong in Quranic Verses Regarding Jihad and Orientalists point of view	<i>Fkr-o-Nzar</i>	2017
71	Ms. Humaira Tariq	Home in the Dramatic World of 'The Father' by August Strindberg	<i>International Journal of English Language and Literature Studies</i>	2015

○ **Publications (books & chapters)**

Author	Title	Publisher
Mrs. Amara Dar	Antimicrobial potential of AgNPs of <i>Lagenaria Siceraria</i> mesocarp	Lambert Academic Publishing



○ **Conferences/Seminars:**

Name	Title	Conference / Oral or Poster Presentations	Date	Country
Dr. Shabnam Javed	Isolation, identification and cytotoxic activity of <i>Sorbaria tomentosa</i> .	Poster at 13 th Biennial Conference on Recent Advances & Challenges in Molecular Biology, Biochemistry and Biotechnology	2016	Pakistan (Abbotabad)
Dr. Shabnam Javed	Cytotoxicity guided fractionation of <i>Sorbaria tomentosa</i> against human cancer cell lines.	Current Research in Chemical & Pharmaceutical Sciences, at Forman Christian College	2017	Pakistan (Lahore)
Dr. Shabnam Javed	Stall of Aloe vera gel and essential oils	7 th Invention to Innovation Summit-2017, University of the Punjab.	2017	Pakistan (Lahore)
Dr. Bushra Nisar Khan	Assessment of zoological gardens in Punjab, towards conservation and education as per WAZA standards	International Conference on Latest Trends in Domestic and Wild Animal Genomics and Biotechnology, November 21-22, 2016. Virtual University Lahore, Pakistan	2016	Pakistan (Lahore)
Dr. Bushra Nisar Khan	Estimation of heavy metals air pollution from scat of Antelope Cervicapra from Captive and natural environmental conditions	The First international Conference on Emerging Trends in Earth and Environmental Sciences, March 09-10, 2017. Collage of earth and environmental Sciences University of the Punjab	2017	Pakistan (Lahore)



Dr. Bushra Nisar Khan	Sustainable management of biotic resources for healthy ecosystem	The First international Conference on Emerging Trends in Earth and Environmental Sciences, March 09-10, 2017. Collage of earth and environmental Sciences University of the Punjab	2017	Pakistan
Dr. Bushra Nisar Khan	Ecotourism development for sustainable management of biotic resources at Mangla Dam, AJK	37 th Pakistan Conference of Zoology (International). GCU-Faisalabad	2017	Pakistan
Dr. Bushra Nisar Khan	Diet Preferences and general behavior of peafowl in captive environment	37 th Pakistan Conference of Zoology (International) GCU-Faisalabad	2017	Pakistan
Dr. Bushra Nisar Khan	Fecal matter as a bio-indicator of pollution in Punjab Urial housed at Bahawalpur and Lahore Zo	37 th Pakistan Conference of Zoology (International) GCU-Faisalabad	2017	Pakistan
Dr. Bushra Nisar Khan	Baseline study of microbial contamination in diet and housing facilities of Pantheraleo housed at different captive conditions of Punjab	2 nd International Conference on Innovative Biological and Public Health Research (IBPHR-2017)GCU-Lahore	2017	Pakistan
Mrs. Amara Dar	Poster Presentation	Two Days Conference on Recent Advances in Chemistry	2017	Pakistan (UOL)
Mrs. Amara Dar	Global Challenges and Chemistry, Oral Presentation	28 th National and 16 th International Chemistry conference	2017	Pakistan



Mrs. Amara Dar	Oral presentation	27 th National and 15 th International Chemistry Conference	2016	Pakistan
Dr. Najam ul Sehar Afshan	<i>Podoshaera aphanis</i> , A new record for Pakistan	Botany 2017 – “Conventional and Modern Approaches in Plant Sciences (CMAPS-17)” 1 ST international conference organized by Department of Botany, University of the Punjab, Lahore, Pakistan	2017	Pakistan
Dr. Najam ul Sehar Afshan	<i>Psathyrella fusiforma</i> sp. nov. (Psathyrellaceae), new species from Pakistan	Botany 2017 – “Conventional and Modern Approaches in Plant Sciences (CMAPS-17)” 1 ST international conference organized by Department of Botany, University of the Punjab, Lahore, Pakistan	2017	Pakistan
Dr. Najam ul Sehar Afshan	GIS-Based predictive modeling of rust fungi in Himalayan Box plants in Pakistan	Botany 2017 – “Conventional and Modern Approaches in Plant Sciences (CMAPS-17)” 1 ST international conference organized by Department of Botany, University of the Punjab, Lahore, Pakistan	2017	Pakistan
Dr. Najam ul Sehar Afshan	First Report of white Rust caused by <i>Albugo bliti</i> on <i>Achyranthus</i> from Shawar valley (Swat), Pakistan	Botany 2017 – “Conventional and Modern Approaches in Plant Sciences (CMAPS-17)” 1 ST international conference organized by Department of Botany, University of the Punjab, Lahore, Pakistan	2017	Pakistan



Dr. Najam ul Sehar Afshan	<i>Aecidium Jasminicola</i> , a new pathogen for Jasminum sp. in Pakistan?	Botany 2017 – “Botanical Crossroads” an international conference organized by Botanical Society of America	2017	USA
Dr. Najam ul Sehar Afshan	<i>Sphaerophragmium</i> , a new holomorph for <i>Uredo dalbergiae</i> ? and a common pathogen of Shisham tree in Pakistan	Botany 2017 – “Botanical Crossroads” an international conference organized by Botanical Society of America	2017	USA
Dr. Najam ul Sehar Afshan	BIODIVERSITY OF UREDINALES IN KHYBER PAKHTUNKHWA, PAKISTAN	14 th National and 5th International Conference of Botany “Climate change and: Challenges and Opportunities” organized by Pakistan Botanical Society at University of Karachi, Karachi, Pakistan	2016	Pakistan
Dr. Najam ul Sehar Afshan	First report of Pistachio rust in Pakistan	2016 Rust Symposium, “Rusts, An Evolving problem in a Shrinking World” organized by The American Phytopathological Society (APS) at Pensacola Beach, Florida, USA	2016	USA
Ms. Humaira Tariq	“Pakis and Whites: A Critical View of Racism in Nadeem Aslam’s, ‘Maps for Lost Lovers’	4th International Conference on Language, Literature and Society (ICLLS 2017) 5-8 January, 2017 (ORAL)	2016	Pakistan (Islamabad)



Ms. Humaira Tariq	Role of A Classroom Clown in an ESL Classroom	International Conference on Research in Education (ICORE 2016) by Institute of Education and Research, University of the Punjab, Lahore on 23-25 November, 2016 (ORAL)	2016	Pakistan (Lahore)
Ms. Humaira Tariq	Identifying and Addressing Shortcomings in Preparation of L2 Proficiency Tests in Pakistani HEIs	Georgetown University Round Table Conference on 11-13 March 2016 (POSTER)	2016	USA
Ms. Humaira Tariq	How to Get Filthy Rich in Rising Asia: A Work of Multi-layered Ambivalence	1 st National Conference on English language and Literature (ORAL) by University of Education, Lahore on 14 th December, 2017	2017	Pakistan (Lahore)

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **Research and Development**

Faculty members of the CEES are actively engaged in the Research and Development activities and working on various research projects funded by the University of the Punjab, Lahore during the academic session as detailed below:

○ **Projects: Completed**

Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
1.	Prof. Dr. Sajid Rashid Ahmad	Reverine Flood Damage Assessment of Cultivated lands along Chenab River using GIS and Remotely Sensed Data, District Hafizabad, Punjab, Pakistan	250,000/-	University of the Punjab, Lahore
2.	Prof. Dr. M. Nawaz Ch.	Effect of Soil Transfer from high to low altitudes on Dynamics of Green House Gas Fluxes and N Cycling in Forest soils: A Climate Change Implication	250,000/-	-do-



Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
3.	Dr. Nadia Jamil	Elimination of lead from waste water through Adsorption	150,000	University of the Punjab, Lahore
4.	Dr. Abdul Qadir	Evaluation of Spider Web as Potential Indicator of Airborne Contaminants in Punjab, Pakistan.	150,000/-	-do-
5.	Dr. Irfan Ahmed Shaikh	Comparative Study of Various Wastewater Treatment Technologies available in Pakistan	150,000/-	-do-
6.	Dr. Yumna Sadeef (PI) Mr. Mujtaba (CI)	Determination of Persistent organic Pollutants (POPs) in the Tributaries of River Ravi	150,000/-	-do-
7.	Dr. Shafiq ur Rehman (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Identification and mapping of Ectourism Resources along China-Pakistan Economic Corridor	150,000/-	-do-
8.	Dr. Muzaffar Majid	Evaluation of Kalabagh Bridge Terrace and Mari Indus Gravel as an Aggregates	150,000/-	-do-
9.	Mr. Qasim Hussain Malik (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Assessment of Heavy Metals in Water supply of Tourist Sites of Pakistan. A case Study on Swat	125,000/-	-do-
10.	Soniya Munir	Biofuel Production from Agro-Waste	125,000/-	-do-
11.	Mr. Azhar Ali (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Treatment of Textile Wastewater Contaminated with Reactive Dyes by constructed Wetland	125,000/-	-do-
12.	Ms. Maryam Zameer (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Biodegradation of persistent herbicides in soil by Indigenous bacterial assemblage	125,000/-	-do-



13.	Mr. Muhammad Waqar (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Assessment of climate Change Impact Augmented with GIS and Remote Sensing over Surface Water Resources a Case Study of Hunza Nagar River.	125,000/-	-do-
14.	Ms. Maham Tabassum (PI) Prof. Dr. Sajid Rashid Ahmad (CI)	Assessment of Heavy metals concentration in vegetable from Croplands irrigated with Wastewater of Lahore, Pakistan	125,000/-	-do-

○ **Newly Launched:**

Faculty members of the CEES have submitted the research proposals to the Punjab University and the Higher Education Commission (HEC), Islamabad for allocation of Research grants.

○ **Publications**

Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
1.	N., Mehmood, S., Nisar, H., Jamil, S., Ahmad, Z., Ghani, N., Oladipo, A., Qadri, R.W., Latif, A.A., Ahmad, S.R., Iqbal, M. and Abbas, M.	2017	Brassicaceae Family Oil Methyl Esters Blended with Ultra-Low Sulphur Diesel Fuel (ULSD): Comparison of Fuel Properties with Fuel Standards.	Renewable Energy	4.357	117
2.	Aslam, H., Ahmad, S.R., Anjum, T. and Akram, W.	2017	Native Halotolerant Plant Growth Promoting Bacterial Strains can Ameliorate Salinity Stress on Tomato Plants under field conditions	International Journal of Agriculture & Biology	0.746	Doil:10.17957/IJAB/15.0491
3.	Noureen, M., Sadeef, Y., Ahmad, S.R., Shahzad, A., and Washakh, R.M.A.	2017	Application of Geospatial Techniques to Evaluate Feeding Patterns for Milk Production of Bubalus Bubalis (Buffaloes) in District Kasur, Pakistan,	Pakistan Journal of Science	Y-Cat.	69(3)
4.	Sanaullah, M., Hussain, Z., Yousaf, Z., Ahmad, S.R. and Menal Zaheer	2017	Susceptibility of Jhelum River bed aggregate to Alkali Silica Reaction and its potential as construction aggregate	Journal of Himalayan Earth Sciences	Y-Cat.	50(02)



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
5.	N., Mehmood, S., Nisar, H., Jamil, S., Ahmad, Z., Ghani, N., Oladipo, A., Qadri, R.W, Latif, A.A., Ahmad, S.R., Iqbal, M. and Abbas, M.	2017	Brassicaceae Family Oil Methyl Esters Blended with Ultra-Low Sulphur Diesel Fuel (ULSD): Comparison of Fuel Properties with Fuel Standards.	Renewable Energy	4.357	117
6.	Sanaullah, M., Ahmad, I., Arslan, M., Ahmad, S.R., and Zeeshan, M.	2017	Evaluating Morphometric Parameters of Haro River Drainage Basin in Northern Pakistan,	Polish Journal of Environmental Studies	0.793	27(1):
7.	Baqir, M., Sadeef, Y., Mahmood, A., Ahmad, S.R., Qadir, A. Zhang, G., Lee, J. and Aslam, I.	2017	Occurrence, ecological risk assessment and spatio-temporal variation of polychlorinated biphenyls (PCBs) in Water and Sediments along River Ravi and its northern tributaries, Pakistan,	Environmental Science and Pollution Research	2.741	24(36)
8.	Shahzad, T., Yaseen, M., Afzal, M., Khan, K., Rizwan, M.A., Ahmad, S.R., and Bhatti, H.A.	2017	Performance Evaluation of Sodium Bentonite Material for Seepage Control in Irrigation Channel, Technical Journal,	University of engineering and Technology (UET Taxila, Pakistan,	Y-Cat.	22(1):
9.	Imtiaz, F., Javed, M.A., Rehman, S.U. and Ahmad S.R.	2017	Geo-Spatial Techniques for the Selection of Landfill Site: A Case Study of Gujranwala City, Pakistan	Transylvanian Review	0.040	XXV(21):
10.	Ghalib, A., Qadir, A. and Ahmad, S.R.	2017	Evaluation of Developmental Progress in Some Cities of Punjab, Pakistan, using Urban Sustainability Indicators.	Sustainability	1.789	doi:10.3390/su9081473
11.	Akhtar, S., Sahibzada, N.I., Saif, S., Inayat, S. and Ahmad S.R	2017	Carbon Footprint of a Beverage Bottling Plant in Lahore, Pakistan, ,	Current world Environment	RGIF: 0.61	12(2):
12.	Khan, M.H.A., Saleem, M.S., Ahmad, S.R., Ahmad, N., Sameeni, S.J., Akram, M. and Farooq, M.	2017	Role of Canal Lining on Groundwater Fluctuations: A Modeling Simulation Approach for Jaalwala Distributary, Bahawalnagar.	Open Journal of Applied Sciences	Google IF: 0.81	7
13.	Zahra, N. Jamil, N., Ahmad, S.R., Munir, S., Saeed, M.K. and Kalim, I.	2017	Comparative Analysis of Brown and white Rice Samples for the presence of Aflatoxin B1 contamination and Effect of Environment Temperature on Aflatoxin Concentration during Storage	Transylvanian Review	0.040	XXV



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
14.	Ashraf, U, A. Townsend Peterson, Chaudhar, M.N., Ashraf, I., Saqib, Z., Ahmad, S.R. and Ali, H.	2017	Ecological niche model comparison under different climate scenarios: A Case study of <i>Olea spp.</i> in Asia	Ecosphere	2.49	8(5)
15.	Hamid, A., Yaqub, G., Ahmad, S.R. and Aziz, N.	2017	Assessment of Human Health Risk Associated with the presence of pesticides in Chicken eggs.	Food Science and Technology.	0.729.	http://dx.doi.org/10.1590/1578-457x.11616
16.	Butt, A. and Ahmad, S.R.	2017	Municipal Solid Waste as Renewable source of Energy: An overview from Lahore District, Punjab, Pakistan.	Polish Journal of environmental Studies	0.790	Accepted
17.	Baqar, M., Arslan, M. Sadeef, Y., Mahmood, A. Qadir, A., and Ahmad, S.R.	2017	Persistent organic pollutants: potential threat to ecological integrities in term of genotoxicity and oxidative stress.	Human and Ecological Risk Assessment: An International Journal	1.09	doi: http://dx.doi.org/10.1080/1007039.2017.1292843
18.	Munir, S., Khalid, A., Ali, A., Jamil. N., Iqbal. U.H., Ahmad, S.R. and Cook, J.M.	2017	Potential of Energy from the Dentistry Solid Waste of Lahore	Transylvanian Review	0.040	XXV (15)
19.	Khan, W.U., Ahmad, S.R., Yasin, N.A., Ali, A., Ahmad, A. and Akram, W.	2017	Application of bacillus megaterium MCR-8 improved phytoextraction and stress alleviation of nickel in <i>Vinca rosea</i>	International Journal of Phytoremediation	2.085	doi: 10.1080/15226514.2017.1290580
20.	Khan, W.U., Yasin, N.A., Ahmad, S.R., Ali, A., Ahmed, S. and Ahmad, A.	2017	Role of Ni-tolerant <i>Bacillus</i> spp. And <i>Althea rosea</i> L. in the phytoremediation of Ni-contaminated soils, ,	International Journal of Phytoremediation	2.085	19(05)
21.	Shahzad, N. Ahmad, S.R. and Ashraf, S.	2017	An Assessment of pan-sharpening algorithms for mapping mangrove ecosystems: a hybrid approach,	International Journal of Remote Sensing	1.640	38(6)
22.	Akhtar, S., Baig, S.F., Saif, S., Mahmood, A. and Ahmad, S.R	2017	Five Year Carbon Footprint of a Textile Industry: A Podium to Incorporate Sustainability,	Nature environment and Pollution Technology	RGIF: 0.15	16(1)
23.	Aslam, A.Q., Ahmad, S.R., Ahmad, I., Hussain, Y. and Hussain, M.S.	2017	Vulnerability and Impact Assessment of Extreme Climatic Event: A Case Study of Southern Punjab, Pakistan.	Science of the total Environment	3.976	580



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
24.	Iqbal, H.H., Shahid, N., Qadir, A., Ahmad, S.R., Sarwar, S., Ashraf, M.R., Arshad, H.M. and Masood, N.	2017	Hydrological and Ichthyological Impact Assessment of Rasul Barrage, River Jhelum, Pakistan.	Polish Journal of Environmental Studies	0.790	26(1)
25.	Moazzam, A. Jamil, N., Nadeem, F., Qadir, A., Ahsan, N., and Zameer, M.	2017	Reactive Dye Removal by a Novel Biochar / MgO Nanocomposite	Journal of the Chemical Society of Pakistan	0.327	39(1)
26.	Khanum, K., Baqar, M., Qadir, A. Mumtaz, M., Tahir, A., Jamil,, N. and Mahmood, A.	2017	Heavy metal Toxicity and human Health Risk Surveillances of wastewater irrigated vegetables in Lahore District, Pakistan	Carpathian Journal of Earth and environmental Sciences	0.880	12(2)
27.	Yaseen, M. Qadir, A., Mumtaz, M. Musstjab, S.A., Eqani, A.S., Syed, J.H. Mahmood, A., Jamil, N., Nazar, F., Ali, H., Ahmad, M.S. Tanveer, Z.I. and Zhang, G.	2017	Risk Profile and Health Vulnerability of Female Workers Who Pick Cotton by organochlorine pesticides from Southern Punjab, Pakistan	Environmental Toxicology and Chemistry	2.951	36(5)
28.	Ali, A., Azam, S., Khalid, A., Noman, D.S., Jamil, N., Samina, F., Shaikh, I.A.	2017	End-of-life Scenarios for Municipal Solid Waste of Defence Housing Authority Lahore, Pakistan	Polish Journal of Environmental Studies	0.793	26(3)
29.	Alam, A., Tabinda, A.B., Qadir, A., Butt, T.E., Siddique, S., and Mahmood, A.	2017	Ecological Risk Assessment of an open dumping site at Mehmood Booti Lahore, Pakistan	Environmental Science and Pollution Research	2.741	24
30.	Munir,B., Qadir, A. and Tahir, M.	2017	Negative effects of Bisphenol A on testicular functions in albino rats and their abolitions with Tribulus terrestris L.	Brazilian Journal of Pharmaceutical Sciences	0.474	53(3)
31.	Baqar, M., Arslan, M., Sadeef, Y., Mahmood, A., Qadir, A and Ahmad, S	2017	Persistent Organic pollutants: potential threat to ecological integrities in term of genotoxicity and oxidative stress.	Human and Ecological Risk Assessment: An International Journal	1.57	23(06)
32.	Hussain, N., Chaudhary, M.N., Anjum, A.A., Abbas, N., Zaheer, M., Mustafa, G., Majid, M.	2017	Amelioration of Hepato-Renal Toxicity by a flavonoid-Rich Fraction of Hibiscus Rosa-Sinenses (Leaves and Flowers) in Male Rabbits Intoxicated by Cadmium	Polish Journal of Environmental Studies	0.790	26(4)



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
33.	Shafiq, M., Shoukat, T., Nazir, A.	2017	Modeling of Cr contamination in the agricultural lands of three villages near the leather industry in Kasur, Pakistan, using statistical and GIS techniques.	Environmental Monitoring & Assessment	1.687	189
34.	Sabir, A.A., Bareen, F., Rahman, Z. and Shafiq, M.	2017	In vitro response of Bougainvillea explants and their antioxidant enzymatic activities treated with new naphthyl acetic acid based synthetic plant growth promoters.	Polish Journal of Environmental Studies	0.793	Accepted
35.	Baqar, M., Arslan, M., Abbasi, S.A., Ashraf, U., Khalid, A., & Zahid, H.	2017	Noise pollution in the hospital environment of a developing country: A case study of Lahore (Pakistan)	Archives of Environmental & Occupational Health	1.347	https://doi.org/10.1080/19338244.2017.1371106
36.	Ali, A., Azam, S., Khalid, A., Noman, D.S., Jamil, N., Samina, F. and Shaikh, I.A.	2017	End- of- Life Scenarios for Municipal Solid Waste of Defence Housing Authority Lahore, Pakistan	Pol. J. Environ. Stud.	0.790	26(3)
37.	Munir, S., Khalid, A., Ali, A., Jamil, N., Iqbal, U.H., Ahmad, S.R. and Cook, J.M.	2017	Potential of Energy from the Dentistry Solid Waste of Lahore	Transylvanian Review	0.040	XXV (15)
38.	Khatr, M., Ahmed, F., Shaikh, I.A., Phan, D.N., Khan, Q., Khatr, Z., Lee, H. and Kim, I.S.	2017	Dyeing and Characterization of regenerated cellulose nanofibers with vat dyes	Carbohydrate Polymers	4.811	174
39.	Zia, A., Batool, S.A., Chaudhary, M.N. and Munir, S.	2017	Influence of Income Level and Seasons on Quantity and Composition of Municipal Solid Waste: A Case Study of the Capital City of Pakistan	Sustainability	1.789	9(9)
40.	Ali, M. Wang, W., Chaudhary, M.N., Geng, Y., Ashraf, U., Nisar, N. and Tahir, A.	2017	Assessing knowledge, performance, and efficiency for hospital waste management – a Comparison of government and private hospitals in Pakistan	Environmental Monitoring and Assessment	1.687	189
41.	Ali, M., Ashraf, U., Chaudhry, M.N., and Geng, Y.	2017	Unsafe Waste Management Practices and Hepatitis C among Hospital Sanitary Staff in Pakistan	Journal of Hospital Infection	3.126	96(1)



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
42.	Baqar, M., Arslan, M. Abbasi, S.A., Ashraf, U., Zahid, H. and Khalid, A	2017	Noise Pollution in the Hospital Environment of a Developing Country: A Case Study of Lahore (Pakistan).	Archives of Environmental and Occupational Health	1.347	https://doi.org/10.1080/19338244.2017.1371106
43.	Iqbal, T., Nizami, A.S., Eckhoff, S., Barreto, M.L.A., Sadeq, Y., Rehan, M., Budzianowski, W.M., Ouda, O.K.M. and Shahzad, K.	2017	Biomass Conservation using an optimized drying process for energy sorghum Bagasse.	Renewable Energy Focus	0.09	19-20
44.	Vallecillos, L., Sadeq, Y., Borrell, F., Pocurull, E. and Bester, K.,	2017	Degradation of Synthetic fragrances by laccase-mediated system	Journal of hazardous Materials	6.065	334
45.	Qasim, M., Siddiqua, A., Sadeq, Y., Bashir, A., Khalid, M., Naveed, M., Ishtiaq, M.F., Ali, S.,	2017	Climate Change: Potential Health Effects on Vulnerable Population & Malnutrition Food Security challenges: A Case Study of Shakargarh	Journal of Applied environmental and Biological Sciences (JAEBS)	0.702	7(1)
46.	Usman, K., Siddique, A., Sadeq, Y., Rehman, H.U., Junaid, A., Khattak, S., Zaman, M., Naz, F.F., Ahmad, R., Ali, I., Ahmad, W., and Haq, I.U.	2017	Monitoring of mosquito fauna (Insecta: Diptera) from Chokara District Karak Khyber Pakhtunkhwa, Pakistan.	International Journal of Mosquito Research	0.58	4(4)
47.	Shafiq, M., Mahmood, K. and Rashid, M.	2017	Direct Biogasification Potential of Macroalgal Biomass as First Generation Biofuels and Bioproducts.	7 th International Conference on Algal Biomass, Biofuels and bioproducts held in June 18-21, 2017 Miami FL USA.		
48.	Nazir, A., Imtiaz, A., Shafiq, M. and Bareen, F.	2017	Biofungicidal Application of Crude Algal (Microspora sp.) Extracts against Fusarium with in Tomato.	7 th International Conference on Algal Biomass, Biofuels and Bioproducts on June 18-21, 2017 Miami FL USA.		
49.	Ijaz, M., Ahmad, S.R. and Akram, M.	2017	Occupational hazards and Socioeconomic Plights of Brick Workers.	in the International Conference on Mining and Fuel Industries (CMFI-2018), Karachi, Pakistan, held from October 19-21, 2017 at Sheikh Zayed Islamic Research Centre, Karachi-Pakistan		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
50.	Ahmad, S.R., Ishaq, S., Majid, Z. and Ijaz, M.	2017	Development Of GIS Based Community Health Information System.	in the 3rd Academic International Conference on Social Sciences and Humanities organized by the Institute of Research, Learning and Development, U.K., from August 17-19, 2017 at Oxford, U.K..		
51.	Dastgeer, M., Ahmad, S.R. and Rehman, S.U.	2017	Ecotourism Potential in Ziarat: A Critical Analysis	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
52.	Majeed, S., Ahmad, S.R. and Qadir, A.	2017	Spatial Patterns of Pollutants in Water of Metropolitan Drain in Lahore, Pakistan using Multivariate Statistical Techniques	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
53.	Hamza, M., Ahmad, S.R. and JAVED. M.A.	2017	Investigating the Dynamics of Landcover Classes using Object Based Image Analysis: A Case Study Of Central Indus Wetlands Complex,	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
54.	Ashraf, N., Ahmad, S.R. and Javed, M.A. 2017	2017	Land Suitability Assessment for Tea Cultivation using Multicriteria Analysis	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
55.	Javed, M.A., Ahmad, S.R., Rizwan, S. and Waqas, M.	2017	Sensitivity and Suitability Assessment of Urban Parks in Sheikhupura City by using GIS and Multicriteria Approach	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
56.	Jamil, N.S., Saeed, M., Nisa, Z.U. and Ahmad, S.R. (2017).	2017	Use of Geographical Information System and Water Quality Index to Assess Groundwater Quality of Lahore: A Case Study.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
57.	Ali, M., Ahmad, S.R., Javed, M.A., Ahmad, A. and Waqas, M. (2017).	2017	A GIS Based Water Loss Assessment and Real Time Leakage Detection In Water Supply Pipelines of Faisalabad City.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
58.	Javaid, A., Ahmad, S.R., Qadir, A. and Mahmood, R.	2017	Spatial Assessment of Groundwater for Irrigational use along the Hudiara Drain, Lahore	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
59.	Dastgeer, M., Ahmad, S.R. and Rehman, S.U.	2017	Prospects and Problems of Accessible Tourism in Pakistan.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
60.	Munir, S., Khalid, A., Ahmad, S.R., Jamil, N. and Ayub, I..	2017	Effect of Varying Refuse Derived Fuels (RDF) on the Yield of Pyrolysis Oil	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
61.	Nazir, B., Ashraf, A., Ahmad, S.R., Imran, M., Awan, W.K. Munir, B., Javed, M.A. and Haider, L.	2017	Population Estimation Through GIS and Remote Sensing	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
62.	Ahmad, A., Ahmad, S.R., Javaid, U. and Javed, M.A.	2017	Above Ground Carbon Quantification in a Moist Temperate Himalayan Forest.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
63.	Malik, A., Ahmad, S.R., Javed, M.A. and Rizwan, S.	2017	Appraisal and Spatio-Temporal Analysis of Drinking Water Contamination in Rural Areas of District Vehari.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
64.	Tufail, R., Mustafa, F., Ahmad, S.R., Javed, M.A., Rehman, S.U., and Waqas, M.	2017	Multi-Temporal and Multi-Sensor Analysis of Homogenous Cropping Patterns in North East Punjab for Kharif 2016-17 Using Different Classification Techniques: A Case Study of Kamonki Tehsil, District Gujranwala, Punjab.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
65.	Bajwa, A.R., Ashraf, A., Ahmad, S.R., Imran, M., Karim, W., Nazir, B., Javed, M.A., Munir, B. and Haider, L.	2017	Estimation of Reference Evapotranspiration using GIS (Case Study of Gujranwala District).	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
66.	Sher, A.F., Rehman, S.U., Ahmad, S.R., Waqar, M., Javed, M.A. and Washakh, R.M.A.	2017	Heat Waves and Design of Geospatial Information Structure: A Case Study of Karachi, in the First International Conference on Earth And Environmental Sciences "ETEES 17" held at the College of Earth and Environmental Sciences, University of the Punjab, Lahore	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
67.	Imtiaz, F., Nisa, Z.U., Ahmad, S.R. and Tabassum, M.	2017	Assessment of Soil and Drinking Water Quality Using GIS and its Impacts on Residents Health: A Case Study of Green Town, Lahore.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
68.	Ali, T., Nisa, Z.U., Ahmad, S.R. and Ahmad, I.	2017	Use of Climatic Model Projection in the Studies of Impact of Climate on Probable Maximum Precipitation of Swat Watershed,	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
69.	Ashraf, U., Chaudhary, M.N., ASHRAF, I., ALI, H., Ahmad, S.R. and Saqib, Z.	2017	Impact of Climate Change on Habitat Shifting of Olea Ferruginea,	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
70.	Waqar, M., Majid, Z., Hassan, F. and Ahmad, S.R. ().	2017	Unsustainable Development of Water Resources in Climate Change Regime and Management Issues: A Case Study of Lahore, Pakistan.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
71.	Khurshid, B., Nisa, Z.U., Tariq, G., Ahmad, I., Noureen, M., and Ahmad S.R.	2017	Mapping Time Rate Changes in Groundwater Depth using Processing MODFLOW for Windows (PMWIN): A Case Study of Canal Command Area.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
72.	Ahmad, I. and Ahmad, S.R.	2017	Estimation of Water Sustainability in Islamabad for Long Term Survival using Hydrological Techniques.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
73.	Ijaz, F., Nisa, Z.U., Ahmad, I., Noureen, M. and Ahmad, S.R.	2017	Agricultural Non-Point Source Pollution (AGNPS) Model Based Assessment of Muzaffargarh Watershed.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
74.	Shakeel, S., Nazir, A., Bareen, F. and Ahmad, S.R.	2017	Characterization of Tannery Waste Water During Tanning Process and After Treatment at KTWMA, Kasur	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
75.	Kanwal, Ayesha, W., Nisa, Z.U., and Ahmad, S.R.	2017	Groundwater Quality Index And Mapping of Lahore City,	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
76.	Wahid, A., Sanaullah, M. and Ahmad, S.R.	2017	Geo-Mechanical Studies of Coarse Aggregates Of Varying Origins And Their Effect On Class B Concrete At Fixed Water Cement Ratio	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
77.	Majeed, S., Ahmad, S.R., and Qadir, A.	2017	Spatial Patterns Of Pollutants In Water Of Metropolitan Drain In Lahore, Pakistan Using Multivariate Statistical Techniques.	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
78.	Qudsia Kanwal, Amina, Abdul Qadir, Bushra Munir, Asmatullah and Zaigham Abbas	2017	Ameliorative effects of Adiantum capillus-veneris L. extract in reduction of Bisphenol A toxicity in Hepatic System of Albino Rats	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
79.	Adeel Mahmood, Abdul Qadir, Jun Li and Gan Zhang	2017	Polybrominated diphenyl ethers (PBDES) and Dechloran Plus (DP) from some metropolitan cities of Pakistan: screening levels risk assessment, congener profile and spatial tendency	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
80.	Shabina Gul, Zaib-un-Nisa and Laila Bano	2017	Effect of urbanization on the distribution and diversity of birds	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
81.	Houda Javed and Iftikhar Ahmed	2017	Environmental issues of satpara lake and optimal operation of satpara dam using inflow modeling	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
82.	Muhammad Waqar, Rizwan Maqsood, Zahra Majid, Fizza Hassan and Noureen Arif	2017	Reduction in water resources" a future threat to humanity by climate change	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
83.	Asma Ahmad, Baig A, Abdul Qadir, Nadia Jamil And Saleem k	2017	Risk assessment of chromium, lead and cadmium in feed, water and feather of some captive birds at Lahore Zoo Pakistan	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
84.	Mariyam Zameer, Rubab Afzaal and Sameen Arzoo	2017	Isolation of fungal strains <i>Aspergillus Parasiticus</i> , <i>Aspergillus Flavus</i> and <i>Acremonium</i> spp. resistance to high stress of textile industry dyes for bioremediation	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
85.	Iqra Nadeem, Yumna Sadeef and Farzana Bashir	2017	Optimization of Fermentation Conditions pH and Temperature For The Production of Locally Isolated Strain Of <i>Bacillus Thuringiensis</i> Bt. Used Against Dengue Vector, <i>Aedes Aegypti</i>	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
86.	Wajeelha Afzal, Shafiq ur Rehman, Saba Sarwar, Tehmina Anjum and Hassaan Javed Choudhry	2017	Screening and evaluation of indigenous halo-tolerant microbes for salt alleviation in celery	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
87.	Wajiha Ali, Maria Razi, Muhammad Akram and Tariq Sultan Pasha	2017	An evaluation of occupational health, safety and environmental issues of a food and beverage industry	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
88.	Noureen Arif, Asma Imtiaz, Durr-e-Shahwar Noman, Muhammad Akram and Azhar Ali	2017	Assessment of occupational hazards in an engineering complex	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
89.	Kaneez Fatima, Muhammad Nawaz Chaudhry and Uzma Ashraf	2017	Review of current status of health and safety and challenges in compliance at textile industry Lahore, Pakistan	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
90.	Muhammad Talha Javed, Saqib Saeed Joia, Umar Saeed, Azhar Ali, Muhammad Akram and Noureen Arif	2017	Occupational health and safety issues-a case study of orange line construction project	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.
91.	Ambreen Lateef, Nadia Jamil, Rabia Nazir, Shafiq-ur-Rehman and Shahzad Alam	2017	Study of comparative effects of conventional fertilizer and slow release zeolite based nano-fertilizer on sustainable agriculture and environment	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
92.	Kinza Mahmood, Maria Rashid and Muhammad Shafiq	2017	Potential of algal biomass and municipal organics for bio-gasification	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		
93.	Saqib Iqbal, Muhammad Shafiq, Ahmad Mukhtar and Umar Shafiq	2017	Theoretical Investigations on Entropy Generation and Work Lost Analysis of 4MW Rice Husk Fired Thermal Power Plant	In the First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.		

○ **Conferences, Seminars and Workshops, etc.**

College of Earth and Environmental Sciences, Organized various Seminar / Workshops / Conferences during the academic session 2016-2017 as detailed below:

- Organized First International Conference on Earth And Environmental Sciences "ETEES 17" held from March 9-10, 2017 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.
- Organized a UNIDO-GCIOP Promotion Seminar in the University under the umbrella of United Nations Industrial Development Organization aimed at Innovations in the area of Clean Technologies on Tuesday, April 11, 2017 at Al-Razi Hall.
- Organized One Day Seminar on "HCFCs Phase Out in Pakistan in Collaboration with the Ministry of Climate Change, Govt. of Pakistan on January 27, 2017.
- Organized a Seminar and a Painting Competition on Iqbal Day on November 8, 2016.
- Organized a Seminar on "Cultural Tourism for sustainable Development" on May 18, 2017 Mr. Peter Mousaferiadis from Australia deliver a Lecturer on the topic.
- Organized One Day Seminar on "Management of Site Pollutions, Water management & Renewable Energies" Dr. Frank P.M. Karg, European Union Investment and Technology Expert & CEO of HPC International delivered a Lecture on the topic.
- Organized One Day Seminar on "Smog: Formation, Impacts & Mitigation" on November 29, 2016 at Al-Razi Hall.
- Organized a Seminar on "Climate Change Reality" on December 6, 2016.



- **Research Journals**

College of Earth and Environmental Sciences has launched its Journal “*Pakistan Journal of Earth and Environmental Sciences*” (ISSN 2519-9897) which will be published in near future.

RESEARCH COLLABORATION

- **Indigenous**

- Swedish University of Agricultural Sciences UPPSALA, Sweden
- University of Windsor, Ontario, Canada
- American Rainwater Catchment System (Pakistan Chapter)
- M/s Wisey's Germany
- PCRET, Pakistan
- Pakistan Meteorological Department
- Ministry of Climate Change
- WAPDA
- PCRWR
- Soil Survey of Pakistan
- Indus Consortium
- WWF (Pakistan)
- Bulleh Shah Packages
- Waste Busters
- The Urban Unit

- **Linkages**

- Soil Microbiology Division, University of Cornell, New York, Ithaca, USA.
- Renewable Energy System (Bioinformatics) Uppsala, Sweden.
- University of Windsor, Ontario, Canada

- **Funding Grants for R&D**

College of Earth and Environmental Sciences has submitted Research Proposals under NRPU and Thematic Research Grants to the Higher Education Commission (HEC) of Pakistan for award of research grants during the academic session 2016-17.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **An Overview**

Research and Development is the integral part of the curricula of all our academic programs. A large number of students of all academic programs opt the research & report writing (as a paper titled 'Thesis') during the last semester. However, internships are also done by the students. Research and report writing for M.Phil and PhD scholars is mandatory. Software relating to Research and development are available as well as hardware.



○ Publications

- Naseer Ahmad, Shahid Kamal, Zulfiqar Ali Raza, Tanveer Hussain, Faiza Anwar. (2016). Multi-response optimization in the development of oleo-hydrophobic cotton fabric using Taguchi based grey relational analysis.
- Nadia Saeed & Shahid Kamal. (2016). The EWMA Control Chart Based on Robust Scale Estimators.
- Muhammad Abid, Nasir Abbas, Rehan Ahmad Khan Sherwani & Hafiz Zafar Nazir. (2016). Improved Ratio Estimators for the Population Mean Using Non-Conventional Measures of Dispersion.
- Muhammad Ali Raza, Rehan Ahmad Khan Sherwani, Shahid Kamal, Muhammad Aftab & Muhammad Irfan. (2016). Correlation of Injection Initiation among Drug Users in Punjab, Pakistan.
- Muhammad Saqib & Irum Sajjad Dar. (2016). Bayesian Analysis of the Weibull Lifetimes under Type-I Ordinary Right Censored Samples.
- Muhammad Abid, Rehan Ahmed Khan Sherwani, Nasir Abbas & Muhammad Ali Raza. (2016). Some Improved Modified Ratio Estimators Based on Decile Mean of an Auxiliary Variable.
- Nuzhat Aftab & Sohail Chand. (2016). A New Heteroskedastic Consistent Covariance Matrix Estimator using Deviance Measure.
- Maqsood Ahmad, Sohail Chand & Hafiz Muhammad Rafique. (2016). Predicting the spatial distribution of sulfate concentration in groundwater of Jampur-Pakistan using geostatistical methods.
- Majida Rashid & Sohail Chand. (2016). Spatial Analysis and Modeling of Infant Mortality Rate Using Conditional Autoregressive Model-A Case Study of Punjab, Pakistan.

○ Conferences, Seminars and Workshops, etc.

Various workshops were arranged for the students of M.Sc. Actuarial Sciences, M.Sc. Statistics, MBSM and MIOM during the year 2016-2017.

○ Research Journals

Regularly publishing a quarterly research journal 'Pakistan Journal of Statistics and Operation Research' since 2005.

RESEARCH COLLABORATION

○ Indigenous

State Bank of Pakistan, Higher Education Commission (HEC)

DEPARTMENT OF GEOGRAPHY

○ R&D-An Overview

Department of Geography was formerly established at the University of the Punjab in October 1944, at its Old campus. Later it was shifted to its new campus i.e. Quaid-e-Azam Campus in 1965. At the time of independence Geography Department was offering graduate work at Master level. The department is now offering new programs like BS, M.Phil/MS Geography and PhD.



- Seminar Library is available online.
- Laptops are provided to faculty members by the department.
- Pakistan Geographical Review (PGR), A research Journal of the department is available online.

○ **Publications**

The following research papers were published by the faculty

Research Papers/Articles Published

Sr. No.	Name of Author	Title of Paper/Article
1	Prof. Dr. Abdul Ghaffar	Ghaffar, A., Younes, I. (2016), "Spatial Patterns of Arsenic in drinking water supply system & its effects on human health in Lahore 2015. Pakistan Geographical Review, June 2016, Vol.70
2	Prof. Dr. Abdul Ghaffar	Ghaffar, A., Minallah. M.N., Rafique, M. And Mohsin, M (2016), "Urban Growth and Socio –Economic Development in Gujranwala, Pakistan: A Geographical Analysis. Pakistan \journal of Sciences (Vol.68 No.2, June, 2016)
3	Dr. Safdar Ali Shirazi	Shirazi S.A, and Kazmi, S.J.H (2016). "Analysis of Socio-environmental Impacts of the Loss of Urban Trees and Vegetation in Lahore, Pakistan: A Review of Public Perception. Ecological Processes, April 2016 Springer Open:ISSN 2192-1709, Germany.
4	Dr. Safdar Ali Shirazi	S. Rathore. S.R. Ahmad and Shirazi S.A (2016), "Use of the Suitability Model to Identify Landfill Sites in Lahore-Pakistan. Journal of Basic & Applied Sciences, 2016, 12.pp.103-108 (Y category-HEC recognized).
5	Dr. Isma Younes	Younes, I., (2016), "Delineation and assessment of Hab watershed, Balochistan, Pakistan through GEO spatial Technology. International Journal of Economic and Environmental Geology.
6	Dr. Isma Younes	Younes, I., Ghaffar, A., (2016), "Spatial Patterns of Arsenic in drinking water supply system & its effects on human health in Lahore 2015.Pakistan Geographical Review, June 2016, Vol.70
7	Dr. Isma Younes	Younes, I., (2016), "Spatial Patterns of Arsenic in drinking water supply system in Lahore. Pakistan Geographical Review, Vol.71



○ **Research Journals:**

The prestigious Pakistan Geographical Review is being published since 1942 and is available online.

RESEARCH COLLABORATION

○ **Indigenous**

Thesis and Research Reports are regularly carried out by the students of this department and are available in Seminar Library. The faculty of this department is supervising research thesis/reports not only of their own students but also various other post-graduate departments of the Punjab.

DEPARTMENT OF MATHEMATICS

○ **R&D - An Overview**

Department of Mathematics organized a series of departmental seminars from August 2016 - June 2017. Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Dr. Muhammad Riaz, Dr. Numan Raza, Dr. Aziz Ullah Awan, Dr. Muhammad Zaeem ul Haq Bhatti and Dr. Zeeshan Yousaf presented papers in different National and International conferences. During the above mentioned period, the detail of enrolled students is: 34 in Ph.D., 92 in M.Phil., 143 students in M.Sc. (Morning), 156 students in M.Sc. (Evening), 125 students in BS.

02 Ph.D. Students, 18 M.Phil. Students, 133 M.Sc. students and 31 BS Students completed their degrees during the said period. M.Phil./MS/ Ph.D. students are doing research in different fields under the supervision of Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Prof. Dr. Muhammad Akram, Dr. Muhammad Aslam Malik, Dr. Ghazala Akram, Dr. Daud Ahmed, Dr. Muhammad Riaz, Dr. Muhammad Khalid Mehmood, Dr. Nauman Raza, Dr. Aziz Ullah Awan, and Dr. Uzma Ahmed.

In Departmental seminar, two faculty members and thirty six M.Phil. and thirty four 34 Ph.D. scholars delivered lectures. The Department of Mathematics, University of the Punjab organized one day Conference on Gravitation and Cosmology-November 26, 2016 Departmental Library has been enriched by adding 145 books relevant to Mathematics and 17 new research Journals during this period.

○ **Publications**

- Prof. Dr. Muhammad Sharif and Hafiz a Ismat Fatima, *Static Spherically Symmetric Solutions in $f(G)$ Gravity*, J. Mod. Phys. D **25**(2016)1650083 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Arfa Waseem, *Study of Isotropic Compact Stars in $f(R, T, R_{\mu\nu}T^{\mu\nu})$ Gravity*, Eur. Phys. J. Plus **131**(2016)190 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Dynamics of Axial Symmetric System in Self-Interacting Brans-Dicke Gravity*, Eur. Phys. J. C **76**(2016)330 (**Springer**).



- Prof. Dr. Muhammad Sharif and Dr. Muhammad Zaeem ul Haq Bhatti, *Binding Energy in Self-gravitating Charged Plane Symmetric Systems*, , Chin. J. Phys. **54**(2016)451-456 (**Elsevier**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Influence of Nonlinear Electrodynamics on Stability of Thin-Shell Wormholes*, Astrophys. Space Sci. **361**(2016)218 (**Springer**).
- Prof. Dr. Muhammad Sharif, Rabia Saleem and Sidra Mohsaneen, *Warm Gauge-fflation With General Dissipative Coefficient*, , Int. J. Theor. Phys. **55**(2016)3260 (**Springer**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Dynamical Instability of Gaseous Sphere in the Reissner-Nordström Limit*, Gen. Relativ. Gravit. **48**(2016)92 (**Springer**).
- Prof. Dr. Muhammad Sharif and Ayesha Sarwar, *Thermodynamics of Anisotropic Emergent Universe in Nonlinear Electrodynamics*, Mod. Phys. Lett. A **31**(2016)1650129 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Dynamics of Particles near Black Hole with Higher Dimensions*, Eur. Phys. J. C **76**(2016)404 (**Springer**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Stability of the Regular Hayward Thin-Shell Wormholes*, Ad. High Energy Phys. **2016**(2016)2868750 (**Hindawi Publishing Corporation**).
- Prof. Dr. Muhammad Sharif and Ayesha Ikram, *Warm Inflation in $f(\text{mathcal{G}})$ Theory of Gravity*, Eur. Phys. J. Plus **131**(2016)265 (**Springer**).
- Prof. Dr. Muhammad Sharif and Hafiza Ismat Fatima, *Effects of $f(G)$ Gravity on the Dynamics of Self-Gravitating Fluids*, Eur. Phys. J. Plus **131**(2016)265 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sobia Sadiq, *Dynamics of Tilted Cylindrical Geometry*, Astrophys. Space Sci. **361**(2016)278 (**Springer**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Generalized Ghost Pilgrim Dark Energy in $F(T, T_G)$ Cosmology*, Mod. Phys. Lett. A **31**(2016)1650148 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Aasma Yousaf, *Anisotropic Exact Solutions in Scalar-Tensor-Vector Gravity*, Eur. Phys. J. Plus **131**(2016)307 (**Springer**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Isotropic Cosmological Models in $F(T, T_G)$ Theory*, Mod. Phys. Lett. A **31**(2016)1650175 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Arfa Waseem, *Physical Behavior of Anisotropic Compact Stars in $f(R, T, R_{\mu\nu}T^{\mu\nu})$ Gravity*, M. Sharif and Arfa Waseem, Can J. Phys. **94**(2016)1024-1039 (**Canada**).
- Prof. Dr. Muhammad Sharif and Hafiza Ismat Fatima, *Conformally Symmetric Traversable Wormholes in $f(G)$ Gravity*, Gen. Relativ. Gravit. **48**(2016)148 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sobia Sadiq, *Electromagnetic Effects on Cracking of Anisotropic Polytropes*, Eur. Phys. J. C **76**(2016)568 (**Springer**).
- Prof. Dr. Muhammad Sharif and Faisal Javed, *On the Stability of Bardeen Thin-shell Wormholes*, Gen. Relativ. Gravit. **48**(2016)158 (**Springer**).



- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Shadow of a Charged Rotating Non-Commutative Black Hole*, Eur. Phys. J. C **76**(2016)630 (**Springer**).
- Prof. Dr. Muhammad Sharif and Ayesha Ikram, *Energy Conditions in $f(\mathcal{G}, T)$ Gravity*, Eur. Phys. J. C **76**(2016)640 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Equatorial Geodesics of Dyonic Kerr-Newman Black Hole Pierced by a Cosmic String*, Eur. Phys. J. Plus **131**(2016)427 (**Springer**).
- Prof. Dr. Muhammad Sharif and Hafiza Ismat Fatima, *Structure Scalars and Evolution Equations in $f(G)$ Cosmology*, Gen. Relativ. Gravit. **49**(2017)1 (**Springer**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Stability of Thin-Shell Wormholes from Regular ABG Black Hole*, Eur. Phys. J. Plus **132**(2017)26 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Shear-free Axial Model in Massive Brans-Dicke Gravity*, Annals Phys. **376**(2017)1-16 (**Elsevier**).
- Prof. Dr. Muhammad Sharif and Iqra Nawazish, *Warm Intermediate Inflation in $f(R)$ Gravity*, Astrophys. Space Sci. **362**(2017)30 (**Springer**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Bulk Viscosity in $F(T, T_0)$ Gravity*, Can J. Phys. **95**(2017)262-266 (**Canada**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Reconstructed Anisotropic Models in $F(T, T_0)$ Gravity*, Can J. Phys. **95**(2017)297-304 (**Canada**).
- Prof. Dr. Muhammad Sharif and Aisha Siddiqa, *Axial Dissipative Dust as a Source of Gravitational Radiation in $f(R)$ Gravity*, Phys. Dark Universe **15**(2017)105-113 (**Elsevier**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Stability of Accelerated Expansion in Nonlinear Electrodynamics*, Eur. Phys. J. C **77**(2017)136 (**Springer**).
- Prof. Dr. Muhammad Sharif and Aisha Siddiqa, *Study of Bianchi type-I Model in $f(R, T^\psi)$ Gravity*, Phys. Lett. A **381** (2017) 838-842 (**Elsevier**).
- Prof. Dr. Muhammad Sharif and Hafiza Ismat Fatima, *Dynamics of Stellar Filaments in $f(G)$ Gravity*, Eur. Phys. J. Plus **132**(2017)127 (**Springer**).
- Prof. Dr. Muhammad Sharif and Iqra Nawazish, *Cosmological Analysis of Scalar Field Models in $f(R, T)$ Gravity*, Eur. Phys. J. C **77**(2017)198 (**Springer**).
- Prof. Dr. Muhammad Sharif and Ayesha Ikram, *Inflationary Dynamics in $f(\mathcal{G})$ Gravity*, Int. J. Mod. Phys. D **26**(2017)1750030 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Dynamics of Thin-Shell Wormholes with Different Cosmological Models*, Int. J. Mod. Phys. D **26**(2017)1741007 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Noncommutative Wormhole Solutions in $F(T, T_0)$ Gravity*, Mod. Phys. Lett. A **32**(2017)1750083 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Iqra Nawazish, *Exact Solutions and Conserved Quantities in $f(R, T)$ Gravity*, Gen. Relativ. Gravit. **49**(2017)76 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Dark Energy and Collapsing Axial System*, Int. J. Mod. Phys. D **26**(2017)1750057 (**World Scientific**).



- Prof. Dr. Muhammad Sharif and Misbah Shahzadi, *Particle Dynamics near Kerr-MOG Black Hole*, Eur. Phys. J. C **77**(2017)363 (**Springer**).
- Prof. Dr. Muhammad Sharif and Lubna Kousar, *Motion of Particles near a Magnetized Tidal Charged Black Hole*, Astrophys. Space Sci. **362**(2017)122 (**Springer**).
- Prof. Dr. Muhammad Sharif and Ayesha Ikram, *Stability Analysis of Some Reconstructed Cosmological Models in $f(\mathcal{G}, T)$ Gravity*, Phys. Dark Universe **17**(2017)1-9 (**Elsevier**).
- Prof. Dr. Muhammad Sharif and Sobia Sadiq, *Cracking in Charged Anisotropic Cylinder*, Mod. Phys. Lett. A **32**(2017)1750091 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Ayesha Ikram, *Stability Analysis of Einstein Universe in $f(\mathcal{G}, T)$ Gravity*, Int. J. Mod. Phys. D **26** (2017)1750084 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Static Axially Symmetric Models and Structure Scalars in Self-Interacting Brans-Dicke Gravity*, Comm. Theor. Phys. **68**(2017)39-48 (**China**).
- Prof. Dr. Muhammad Sharif and Hafiza Ismat Fatima, *Shear-Free Axial System and $f(G)$ Gravity*, Eur. Phys. J. Plus **132**(2017)300 (**Springer**).
- Prof. Dr. Malik Zawwar Hussain, Maria Hussain and Muhammad Sarfraz, *Shape-preserving rational interpolation scheme for regular surface data*, International Journal of Applied and Computational Mathematics, Vol. **2(4)**, 2016.
- Prof. Dr. Malik Zawwar Hussain, Samreen Abbas and Misbah Irshad, *GA based rational cubic B-spline representation for still image interpolation*, Pakistan Journal of Statistics and Operation Research, Vol. **12(4)**, 2016.
- Prof. Dr. Malik Zawwar Hussain, Ayesha Shakeel and Maria Hussain, *Rational cubic spirals*, Journal of Prime Research in Mathematics, Vol. **12**, 2016.
- Prof. Dr. Muhammad Akram and Saira Nawaz, *Certain types of soft graphs*, University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, Vol. **78(4)**, 2016.
- Prof. Dr. Muhammad Akram, Adeel Farooq and K. P. Shum, *On m -polar fuzzy lie subalgebras Italian*, Italian Journal of Pure and Applied Mathematics, Vol. **36**, 2016.
- Prof. Dr. Muhammad Akram and Arif Butt, M., *A new intuitionistic fuzzy rule-based decision-making system for an operating system process scheduler*, Springer Plus, Vol. 5, 2016.
- Prof. Dr. Muhammad Akram and Arooj Adeel, *m -polar fuzzy labeling graphs with application*, Mathematics in Computer Science, Vol. **10(3)**, 2016.
- Prof. Dr. Muhammad Akram and Sundas Shahzadi, *Coloring of bifuzzy graphs*, Italian Journal of Pure and Applied Mathematics, Vol. **36**, 2016.
- Prof. Dr. Muhammad Akram and Sundas Shahzadi, *Edge regular intuitionistic fuzzy soft graphs*, Journal of Intelligent and Fuzzy Systems, Vol. **31(3)**, 2016.
- Prof. Dr. Muhammad Akram and Sundas Shahzadi, *Representation of graphs using intuitionistic neutrosophic soft sets*, Journal of Mathematical Analysis, Vol. **7(6)**, 2016.



- Prof. Dr. Muhammad Akram and M. Sarwar, *Novel applications of m-polar fuzzy hypergraphs*, Journal of Intelligent and Fuzzy Systems, Vol. **32(3)**, 2016.
- Prof. Dr. Muhammad Akram, Rabia Akmal and Noura Alshehri, *On m-polar fuzzy graph structures*, Springer Plus, Vol. **5**:1448, 2016.
- Prof. Dr. Muhammad Akram and Rabia Akmal, *Operations on Intuitionistic Fuzzy Graph Structures*, Fuzzy Information and Engineering, Vol. **8(4)**, 2016.
- Prof. Dr. Muhammad Akram and A. Nagoorgani and S. Anupriya, *Double domination on intuitionistic fuzzy graphs*, Journal of Applied Mathematics and Computing, Vol. **52(1-2)**, 2016.
- Prof. Dr. Muhammad Akram and Arif Butt, M, *A novel fuzzy decision making system for cpu scheduling algorithm*, Neural Computing & Applications, Vol. **27(7)**, 2016.
- Prof. Dr. Muhammad Akram Samanta, S. and Pal, M., *Application of bipolar sets in planar graphs*, Journal of Applied and Computational Mathematics, Vol. **3**, 2017.
- Prof. Dr. Muhammad Akram Shaista, H and Ashraf, *A fuzzy climate decision support systems for toma-toes in high tunnels*, International Journal of Fuzzy Systems, Vol. **19(3)**, 2017.
- Prof. Dr. Muhammad Akram and Musavarah Sarwar, *Novel concepts of bipolar fuzzy competition graphs*, Journal of Applied Mathematics and Computing, Vol. **54**, 2017.
- Prof. Dr. Muhammad Akram and M. Sitara, *Bipolar neutrosophic graph structures*, Journal of the Indonesian Mathematical Society, Vol. **23(1)**, 2017.
- Prof. Dr. Muhammad Akram and Maryam Nasir, *Concepts of interval-valued neutrosophic graphs*, International Journal of Algebra and Statistics, Vol. **6(1-2)**, 2017.
- Prof. Dr. Muhammad Akram, Maryam Nasir and Saba Siddique, *Novel properties of intuitionistic fuzzy competition graphs*, Journal of Uncertain Systems, Vol. **2(1)**, 2017.
- Prof. Dr. Muhammad Akram and Anam Luqman, *Certain concepts of bipolar fuzzy directed hypergraphs*, Mathematics, Vol. **5(1)**, 2017.
- Prof. Dr. Muhammad Akram and Anam Luqman, *Certain network models using single-valued neutrosophic directed hypergraphs*, Journal of intelligent and fuzzy systems, Vol. **33(1)**, 2017.
- Prof. Dr. Muhammad Akram and Sundas Shahzadi, *Neutrosophic soft graphs with application*, Journal of intelligent and fuzzy systems, Vol. **32(1)**, 2017.
- Prof. Dr. Muhammad Akram, Neha Waseem and W.A. Dudek, *Certain types of edge m-polar fuzzy graphs*, Iranian Journal of Fuzzy Systems, Vol. **14(4)**, 2017.
- Prof. Dr. Muhammad Akram and Arooj Adeel, $(2, (p_1, p_2, \dots, p_m))$ -regularity in m-polar fuzzy graphs, The Journal of Fuzzy Mathematics, Vol. **25(1)**, 2017.
- Prof. Dr. Muhammad Akram and Arooj Adeel, *Representation of labeling tree based on m-polar fuzzy sets*, Annals of Fuzzy Mathematics and Informatics, Vol. **13(2)**, 2017.
- Prof. Dr. Muhammad Akram and H.R. Younas, *Certain types of irregular m-polar fuzzy graphs*, Journal of Applied Mathematics and Computing, Vol. **53(1)**, 2017.



- Prof. Dr. Muhammad Akram, *Single-valued neutrosophic planar graphs*, International Journal of Algebra and Statistics, Vol. **5(2)**, 2017.
- Prof. Dr. Muhammad Akram and Rabia Akmal, *Intuitionistic fuzzy graph structures*, Kragujevac Journal of Mathematics, Vol. **41(2)**, 2017.
- Prof. Dr. Muhammad Akram and G. Shahzadi, *Operations on single-valued neutrosophic graphs*, Journal of Uncertain Systems, Vol. **11(3)**, 2017.
- Prof. Dr. Muhammad Akram and G. Shahzadi, *Certain characterization of m-polar fuzzy graphs by level graphs*, Punjab University Journal of Mathematics, Vol. **49(1)**, 2017.
- Prof. Dr. Muhammad Akram and M. Sitara, *Representation of Graph Structure Based on I-V Neutro-sophic Sets*, International Journal of Algebra and Statistics, Vol. **6(1-2)**, 2017.
- Prof. Dr. Muhammad Akram, Samanta, S and Pal, M, *Cayley vague graphs*, The Journal of Fuzzy Mathematics, Vol. **25(2)**, 2017.
- Prof. Dr. Muhammad Akram and M. Tahir, *Fuzzy soft lines graphs*, The Journal of Fuzzy Mathematics, Vol. **25(2)**, 2017.
- Prof. Dr. Muhammad Akram, M.G.Karunambigai, S.Sivasankar and K.Palanivel, *Clustering algorithm for intuitionistic fuzzy graphs*, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol. **25(3)**, 2017.
- Prof. Dr. Muhammad Akram and M. Sarwar, *Transversals of m-polar fuzzy hypergraphs with applications*, Journal of Intelligent and Fuzzy Systems, Vol. **33(1)**, 2017.
- Prof. Dr. Muhammad Akram and M. Sitara, *Application of intuitionistic neutrosophic graph structures in decision-making*, Annals of Fuzzy Mathematics and Informatics, Vol. **14(1)**, 2017.
- Prof. Dr. Muhammad Akram and M. Sarwar, *Novel multiple criteria decision making methods based on bipolar neutrosophic sets and bipolar neutrosophic graphs*, Italian journal of pure and applied mathematics, Vol. **38**, 2017.
- Prof. Dr. Muhammad Akram and Musavarah Sarwar, *Representation of graphs using m-polar fuzzy environment*, Italian journal of pure and applied mathematics, Vol. **38**, 2017.
- Prof. Dr. Muhammad Akram and Maryam Nasir, *Interval-valued neutrosophic competition graphs*, Annals of Fuzzy Mathematics and Informatics, Vol. **14(1)**, 2017.
- Dr. Muhammad Aslam Malik, Sumera Naz and Hossein Rashmanlou, *Single valued neutrosophic trees*, TWMS Journal of Applied and Engineering Mathematics, Vol. **06(01)**, 2016.
- Dr. Muhammad Aslam Malik, Sumera Naz and Hossein Rashmanlou, *Operations on single valued neutrosophic graphs with applications*, Journal of Intelligent and Fuzzy Systems, Vol. **32(3)**, 2017.
- Dr. Muhammad Aslam Malik, Samina Ashraf, Sumera Naz and Hossein Rashmanlou, *Regularity of graphs in single valued neutrosophic environment*, Journal of Intelligent and Fuzzy Systems, Vol. **32(3)**, 2017.
- Dr. Ghazala Akram and Hira Tariq, *An Exponential Spline Techniques for Solving Fractional Boundary Value Problem*, Calcolo, Vol. **53(4)**, 2016.



- Dr. Ghazala Akram, Zaffer Elahi and Shahid S.Siddiqi, Numerical Solution for Solving Special Eight Order Linear Boundary Value Problems Using Legendr Galerkin Method, Mathematical Sciences, Vol. **10(4)**, 2016.
- Dr. Ghazala Akram and Fiza Batool, Solitary wave solutions of the Schafer-Wayne short-pulse equation using two reliable methods, Optical and Quantum Electronics, Vol. **49:14**, 2017.
- Dr. Ghazala Akram and Hira Tariq, Quintic Spline Technique for Time Fraction Fourth-Order Partial Differential Equation, Numerical Methods for Partial Differential Equations, Vol. **33(2)**, 2017.
- Dr. Ghazala Akram and Zara Nadeem, Nonpolynomial spline technique for the solution for ninth order boundary value problems, Turkish Journal of Mathematics, Vol. **41**, 2017.
- Dr. Ghazala Akram, Shahid S. Siddiqi and Muhammad Sufyan, Solution of Ninth order Boundary Value Problem using Tenth Degree Spline, Mathematical Sciences Letters, Vol. **6(2)**, 2017.
- Dr. Ghazala Akram, Khalida Bibi, Kashif Rehan and Shahid S.Siddiqi, *Shape preservation scheme of 4-point interpolating non-stationary subdivision scheme*, Journal of Computational and Applied Mathematics, Vol. **319**, 2017.
- Dr. Ghazala Akram and Fiza Batool, *On the solitary wave dynamics of complex Ginzburg-Landau Equation with Cubic Nonlinearity*, Optical and Quantum Electronics, Vol.**49:129**, 2017.
- Dr. Ghazala Akram and Hira Tariq, New Approach for exact solutions of time fractional Cahn-Allen Equation and Time Fractional Phi 4-Equations, Physica A, Vol. 473, 2017.
- Dr. Ghazala Akram and Hira Tariq, *Cubic Polynomial Spline Scheme for Fractional Boundary Value Problems with Left and Right Fractional Operators*, International Journal of Applied and Computational Mathematics, Vol. **3**, 2017.
- Dr. Ghazala Akram and Hira Tariq, *Quintic Spline Collocation method for fractional boundary value problems*, Journal of the Association of Arab Universities for Basic and Applied Sciences, Vol. **23**, 2017
- Dr. Muhammad Riaz and K. Naeem, *Measurable Soft Mappings*, Punjab University Journal of mathematics, Vol. **48(2)**, 2016
- Dr. Muhammad Riaz and Masooma Raza Hashmi, *Certain Applications of Fuzzy Parameterized Fuzzy Soft Sets in Decision-Making Problems*, International Journal of Algebra and Statistics, Vol. 5(2), 2016
- Dr. Muhammad Riaz and K. Naeem, *Novel Concepts of Soft Sets with Applications*, Annals of Fuzzy Mathematics and Informatics, Vol. 13(2), 2017.
- Dr. Muhammad Riaz and M. R. Hashmi, *Fuzzy Parameterized Fuzzy Soft Topology with Applications*, Annals of Fuzzy Mathematics and Informatics, Vol. 13(5), 2017.



- Dr. Muhammad Khalid Mahmood, M.J amil and Yaser Daanial Khan, *An Appraisal of Automated Hand Gesture Recognition Techniques*, Pakistan Journal of Science, Vol. 68(4), 2016.
- Dr. Muhammad Khalid Mahmood, Somia Saeed and Yaser Daanial Khan, *An exposition of facial expression recognition techniques*, Neural Computing and Applications, 2016.
- Dr. Muhammad Khalid Mahmood, M. Jamil and Yaser Daanial Khan, *An Appraisal of Automated Hand Gesture Recognition Techniques*, Pakistan Journal of Science, Vol. 68(4), 2016.
- Dr. Muhammad Khalid Mahmood, A.H Butt, M. Khalid Mahmood and Yaser Daanial Khan, *An Exposition Analysis of Facial Expression Recognition Techniques*, Pakistan Journal of Science, Vol. 68(3), 2016
- Dr. Muhammad Khalid Mahmood and Shahbaz Ali, *A Novel Labeling Algorithm on Several Classes of Graphs*, Punjab University Journal of Mathematics, Vol. 49(2), 2017.
- Dr. Nauman Raza, *Application of Sobolev Gradient, Method to Solve Klein Gordon Equation*, Punjab University Journal of Mathematics, Vol. 48(2) 2016.
- Dr. Nauman Raza, M. Abdullah, Asma, Rashid Butt and Ehsan Ul Haque, *Semi analytical technique for the solution of fractional Maxwell fluid*, Canadian Journal of Physics, Vol. 95, 2017.
- Dr. Nauman Raza, Madeeha Tahir, M. A. Imran, M. Abdullah and Maryam Aleem, *Wall slip and non-integer order derivative effects on the heat transfer flow of Maxwell fluid over an oscillating vertical plate with new definition of fractional Caputo-Fabrizio derivatives*, Results in Physics
- Vol. 7, 2017.
- Dr. Aziz Ullah Awan, Takasar Hussain, Umara Iqbal, Nita H. Shah and Muhammad Ozair, *Qualitative behavior of pine wilt disease model*, Journal of Basic and Applied Research International, Vol. 19(3), 2016.
- Dr. Aziz Ullah Awan, Rabia Safdar, M. Imran and Aneela Shaukat, *Effects of chemical reaction on the unsteady flow of an incompressible fluid over a vertical oscillating plate*, Punjab University Journal of Mathematics, Vol. 48(2), 2016.
- Dr. Aziz Ullah Awan, Muhammad Din, Qamar Din and Takasar Hussain, *Stability analysis of pine wilt disease model by periodic use of insecticides*, Journal of Biological Dynamics, Vol.10:1, 2016.
- Dr. Aziz Ullah Awan, M. Ozair, Q.Din and T. Hussain, *Qualitative behavior of vector-borne disease model*, Journal of Nonlinear Sciences and Applications, Vol. 09, 2016.
- Dr. Aziz Ullah Awan, Attia Sharif, Takasar Hussain and Muhammad Ozair, *Smoking Model with Cravings to Smoke*, Advanced Studies in Biology, Vol. 9(1), 2017.
- Dr. Uzma Ahmad, Yuhong Huo, Jia Bao Liu, Sarfraz Ahmad, Nighat Farah, Mohammad R. Farahani and Muhammad Imran, *On Certain topological indices of TUC5C8 nanotubes*, Journal of Computational and Theoretical Nanoscience, Vol. 13, 2016



- Dr. Uzma Ahmad and M. Moeen, *The classification of finite groups by using iteration digraphs*, Czechoslovak Math. J. Vol. **66(4)**, 2016.
- Dr. Uzma Ahmad, A.Sarfraz and R. Yousaf, *Computation of Zagreb and Atom bond connectivity Indices of Certain Families of Dendrimers by using Automorphism Group Action*, J. Serb. Chem. Soc. Vol. **82(2)**, 2017.
- Dr. Saima Arshed, *Quintic B-spline method for time-fractional superdiffusion fourth-order differential equation*, Mathematical Sciences, Vol. **11**, 2016.
- Dr. Saima Arshed, *Numerical study of time-fractional hyperbolic partial differential equations*, Journal of Mathematics and Computer Science-JMCS, Vol. **17**, 2017.
- Dr. Muhammad Zaeem ul Haq Bhatti, *Shear-Free Stellar Solutions in Λ -Dominated Era*, European Physical Journal Plus, Vol. **131**, 2016.
- Dr. Muhammad Zaeem-ul-Haq Bhatti and Dr. Zeeshan Yousaf, *Dynamical Variables and Evolution of the Universe*, International Journal of Modern Physics D, Vol. **26**, 2017
- Dr. Muhammad Zaeem-ul-Haq Bhatti and Dr. Zeeshan Yousaf, *Gravitational Collapse and Dark Universe with LTB Geometry*, International Journal of Modern Physics D Vol. **26**, 2017.
- Dr. Muhammad Zaeem-ul-Haq Bhatti, Dr. Zeeshan Yousaf and Sonia Hanif, *Stability of Anisotropic Compact Objects in $f(T)$ Gravity*, Modern Physics Letters A, Vol.**32**, 2017.
- Dr. Muhammad Zaeem-ul-Haq Bhatti, Dr. Zeeshan Yousaf and Sonia Hanif, *Role of $f(T)$ Gravity on the Evolution of Collapsing Stellar Model*, Physics of the Dark Universe, **Vol. 16**, 2017.
- Dr. Muhammad Zaeem-ul-Haq Bhatti, Dr. Zeeshan Yousaf and Sonia Hanif, *Gravitational Collapse in Generalized Teleparallel Gravity*, European Physical Journal Plus, Vol. **132**. 2017.
- Dr. Muhammad Zaeem-ul-Haq Bhatti, A. Anwar and S. Ashraf, *Construction of Thin-Shell Wormholes from Metric $f(R)$ Gravity*, Modern Physics Letters A Vol. **32**, 2017.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Kazuharu Bamba, *Causes of Irregular Energy Density in $f(R, T)$ Gravity*, Physical Review D Vol. **93**, 2016.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Ume Farwa, *Stability of Compact Stars in $\alpha R^2 + \beta(R\gamma\delta T\gamma\delta)$ Gravity*, Monthly Notices of the Royal Astronomical Society, Vol. **464**, 2017.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Kazuharu Bamba, *Role of Tilted Congruence and $f(R)$ Gravity on Regular Compact Objects*, Physical Review D, Vol. **95**, 2017.
- Dr. Zeeshan Yousaf, *Relativistic Vacuum Core Models in a Λ -Dominated Era*, European Physical Journal Plus, **Vol. 132**, 2017.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Aamna Rafaqat, *Electromagnetic Effects on the Evolution of LTB Geometry in Modified Gravity*, Astrophysics and Space Science, **Vol. 362**, 2017.



- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Muhammad Ilyas, *Static Spherical Wormhole Models in $f(R,T)$ Gravity*, European Physical Journal Plus, **Vol. 132**, 2017.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Ume Farwa, *Role of $f(R,T,R\gamma\delta, T\gamma\delta)$ Model on the Stability of Cylindrical Stellar Model*, European Physical Journal C. **Vol. 77**, 2017.
- Dr. Zeeshan Yousaf, *Stellar Filaments with Minkowskian Core in Einstein- Λ Gravity*, European Physical Journal Plus, **Vol. 132**, 2017.
- Dr. Zeeshan Yousaf, Dr. Muhammad Zaeem-ul-Haq Bhatti and Ume Farwa, *Stability Analysis of Stellar Radiating Filaments*, Classical and Quantum Gravity, **Vol. 34**, 2017.
- Ms. Maasoomah Sadaf and Dr. Ghazala Akram, *An Improved adaptation of homotopy analysis method*, Mathematical Sciences, **Vol. 11**, 2017.
- **Conferences, Seminars and Workshops, etc.**
 - Prof. Dr. Muhammad Sharif attended a conference Fourth National Conference on Space Science and Technology ISPA, University of Karachi, October 07-09, 2016.
 - Prof. Dr. Muhammad Sharif attended a conference Third UMT International Conference on Pure and Applied Mathematics, Faletti's Hotel, Lahore March 04-06, 2017.
 - Prof. Dr. Muhammad Sharif attended a conference 641th WE-Heraeus-Seminar "Do Black Holes Exist?- The Physics and Philosophy of Black Holes, Physics Centre Bad Honnef, Germany, April 24-28, 2017.
 - Prof. Dr. Muhammad Sharif delivered a talk Thermodynamics and Gravity (Fourth National Conference on Space Science and Technology, ISPA, University of Karachi, October, 2016).
 - Prof. Dr. Muhammad Sharif delivered a talk Noether Symmetries and their Applications (One Day National Seminar on Advancement in Pure and Applied Mathematics, GC University Faisalabad, January 25, 2017).
 - Prof. Dr. Muhammad Sharif delivered a talk Noether Symmetries and Modified Gravity (Third UMT International Conference on Pure and Applied Mathematics, Falettis Hotel, Lahore March 04, 2017).
 - Prof. Dr. Muhammad Sharif delivered a talk Stability of Circular Orbits around a Tidal Charged Black Hole (641th WE-Heraeus-Seminar "Do Black Holes Exist?-The Physics and Philosophy of Black Holes, Physics Centre Bad Honnef, Germany, April 24-28, 2017).
 - Prof. Dr. Muhammad Sharif delivered a talk Dynamics of Particles around Black Hole (Mathematical Physics and General Relativity Symposium in Honor of Professor Ivor Robinson,UTD-Dallas, USA, May 07-09,2017).
 - Prof. Dr. Malik Zawwar Hussain delivered a talk G^2 -Approximation of Parabolic arc in 21st International Conference on Information Visualization, London, UK, July 11-14-2017.



- Prof. Dr. Muhammad Akram attended a conference International Conference on Mathematics and Applications 2017” (CICMA-2017).
- Prof. Dr. Muhammad Akram, attended a conference One Day Conference on Gravitation on Cosmology, Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Dr. Ghazala Akram attended a conference One Day Conference on Gravitation and Cosmology in the Honour of Prof. Dr. Asghar Qadir at Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Dr. Daud Ahmad attended a conference One Day Workshop on Soft Set Theory and its Applications at Department of Mathematics, GCU Lahore. (May 23, 2017)
- Dr. Muhammad Riaz delivered a talk On Some Properties of FPFs-Compact Spaces in the 1st LGU National Conference on Pure and Applied Mathematics (1st GNCPPAM-2017) May 17-18, 2017.
- Dr. Muhammad Riaz delivered a talk Some Properties of FPFs-Continuous Mapping in 3rd UMT International Conference on Pure and Applied Mathematics (3rd UICPAM)-2017) March 4-6, 2017.
- Dr. Muhammad Riaz delivered a talk in International Workshop on Nonlinear Analysis and applications (IWNAAP-2016) CMAP, UMT, Lahore (October 1-3-, 2016).
- Dr. Muhammad Riaz attended a conference Second International Workshop on modern aspects of Algebra and Graph Theory, COMSATS, Lahore (November 02-03, 2016).
- Dr. Muhammad Riaz attended a conference One Day Workshop on Soft Set Theory and its Applications at Department of Mathematics, GCU Lahore. (May 23, 2017)
- Dr. Muhammad Riaz attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, University of the Punjab, Lahore
- Dr. Nauman Raza delivered a talk Goemetric Optimization of two Dimensional Heat Transfer System in 3rd UMT International conference on Pure and Applied Mathematics, UMT (March 04-06, 2017).
- Dr. Muhammad Riaz attended a conference Recent Advacned in Mathematical Methods, Models & Applications, Centre for Mathematics and Statistical Sciences, Lahore School of Economics (April 2017).
- Dr. Aziz Ullah Awan attended a conference “Advancement in Pure and Applied Mathematics”, Govt College University, Faisalabad, (January 24, 2017).
- Dr. Aziz Ullah Awan delivered a talk Centre for Mathematics and it’s Applications, University of Management and Technology, Lahore, (February 28, 2017).
- Dr. Muhammad Zaeem ul Haq Bhatti attended a conference 21st International Conference on General Relativity and Gravitation”, Columbia University, New York, USA.
- Dr. Muhammad Zaeem ul Haq Bhatti attended a conference One Day Workshop for the Editors of Sciences Journals by Quality Assurance Division, HEC at Margala Hotel, Islamabad.
- Dr. Muhammad Zaeem ul Haq Bhatti delivered a talk The Southern Cross Conference: Surveying the Cosmos, The Science From Massively Multiplexed Surveys by Australian Astronomical Observatory and CSIRO Astronomy and Space Science at Sydney, Australia.



- Dr. Muhammad Zaeem Ul Haq Bhatti presented the paper COSMOLOGY: Inflation to Dark Energy (Invited Talk) in Department of Mathematics, University of Management and Technology, Sialkot Campus on April 09, 2017.
- Dr. Zeeshan Yousaf, attended a conference One Day conference on Gravitation and Cosmology, PU, Lahore-Pakistan.
- Dr. Zeeshan Yousaf, attended a conference Research Seminar Program, University of Management and Technology, Sialkot–Pakistan.
- Dr. Zeeshan Yousaf, attended a conference One Day Workshop on Differential Geometry, Vectors and Tensors (Resource Person), Govt. Post Graduate College for Women, Gujranwala– Pakistan.
- Dr. Zeeshan Yousaf attended a conference Bi-Monthly Seminar Series, University of Management and Technology, Lahore-Pakistan.
- Dr. Zeeshan Yousaf attended a conference Southern Cross 2017: Surveying the Cosmos, The Science From Massively Multiplexed Surveys at Australian Astronomical Observatory, Sydney– Australia; June 05-09, 2017.
- Dr. Zeeshan Yousaf delivered a talk An Overview on Cosmic Evolution at Research Seminar Program, UMT, Sialkot–Pakistan; Dec. 03, 2016.
- Dr. Zeeshan Yousaf delivered a talk Differential Geometry, Vectors and Tensors (*resource person*) at one day workshop organized by Higher Education Department, Punjab at Govt. Post Graduate College for Women, Gujranwala–Pakistan; Dec. 10, 2016.
- Dr. Zeeshan Yousaf delivered a talk The Quest of Cosmic and Stellar Evolution at Bi-Monthly Seminar Series, UMT, Lahore–Pakistan; Dec. 15, 2016.
- Dr. Zeeshan Yousaf delivered a talk Causes of Inhomogeneous Energy Density in Modified Gravity at Southern Cross 2017: Surveying the Cosmos, The Science From Massively Multiplexed Surveys at Australian Astronomical Observatory, Sydney– Australia; June 06, 2017.
- Dr. Zahid Hussain Shamis attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, University of the Punjab, Lahore.
- Miss Saadia Mumtaz delivered the talk Phase Space Analysis of Nonlinear Bulk Viscous Cosmology, 4th National Conference on Space Science and Technology at ISPA, University of Karachi, Karachi- Pakistan (October 07-09, 2016).
- Miss Saadia Mumtaz delivered a talk Phase Space Analysis for Anisotropic Universe with Nonlinear Bulk Viscosity at Department of Mathematics, University of the Punjab, Lahore (July 19, 2017).
- Miss Saadia Mumtaz attended a conference 4th National Conference on Space Science and Technology, ISPA, University of the Karachi, Karachi (October 07-09, 2016).
- Miss Saadia Mumtaz attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, COMSATS, Institute of Information Technology, Lahore.



- Miss Saadia Mumtaz attended a conference One Day Conference on Gravitation on Cosmology, Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Saadia Mumtaz attended a conference International Conference on Mathematics and Applications, CASPAM, Bahauddin, Zakariya University, Multan
- Miss Iqra Nawazish attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, COMSATS, Institute of Information Technology, Lahore.
- Miss Iqra Nawazish attended a conference One Day Conference on Gravitation on Cosmology, Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Iqra Nawazish delivered a talk Cosmic Evolution in $f(R,T)$ Gravity in 14th Regional Conference on Mathematical Physics at Quaid e Azam University, Islamabad (December 06, 2017).
- Miss Kanwal Nazir attended a conference One Day Conference on Gravitation on Cosmology", Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Kanwal Nazir delivered a talk Cosmological Evolution of Generalized Ghost Dark Energy Model at Department of Mathematics, University of the Punjab, Lahore (November, 2016).
- Miss Kanwal Nazir delivered a talk Generalized Ghost Pilgrim Dark Energy Model in $F(T, T_0)$ Gravity" at Department of Mathematics, University of the Punjab, Lahore (July, 2017).
- Miss Sobia Sadiq attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, COMSATS, Institute of Information Technology, Lahore.
- Miss Sobia Sadiq attended a conference One Day Conference on Gravitation on Cosmology, Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Sobia Sadiq delivered a talk Dynamics of Self Gravitating Systems at Department of Mathematics, University of the Punjab, Lahore (December 21, 2016).
- Miss Arfa Waseem attended a conference Second International Workshop on Modern Aspects and Graph Theory on November 02-03, 2016 at COMSATS Institute of Information Technology, Lahore.
- Miss Arfa Waseem attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, COMSATS, Institute of Information Technology, Lahore
- Miss Arfa Waseem attended a conference One Day Conference on Gravitation on Cosmology", Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).



- Miss Ayesha Ikram attended a conference 4th National Conference on Space Science and Technology at ISPA, University of Karachi, Karachi (October 07-09, 2016).
- Miss Ayesha Ikram attended a conference One Day Conference on Gravitation on Cosmology, Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Ayesha Ikram delivered a talk Dynamical Instability of Spherical Star in $f(G)$ Gravity, 4th National Conference on Space Science and Technology, ISPA, University of Karachi, Karachi (October 08, 2016).
- Miss Ayesha Ikram delivered a talk Instability Analysis of Expansion-free Sphere in $f(G)$ Gravity, Department of Mathematics, University of the Punjab, Lahore (October 26, 2017).
- Miss Ayesha Ikram delivered a talk Wormholes Geometrics in $f(G,T)$ Gravity, Department of Mathematics, University of the Punjab, Lahore (July 19, 2017).
- Miss Aisha Siddiqa attended a conference Workshop on Relativistic Astrophysics and Cosmology, Department of Mathematics, COMSATS, Institute of Information Technology, Lahore.
- Miss Ayesha Siddiqa attended a conference One Day Conference on Gravitation on Cosmology", Department of Mathematics, University of the Punjab, Lahore (November 26, 2016).
- Miss Ayesha Siddiqa delivered a talk Gravitational Radiation and $f(R)$ Theory at Department of Mathematics, University of the Punjab, Lahore (January 04, 2017).
- Miss Musavarah Sarwar attended a conference Second Workshop on Modern Aspects of Algebra and Graph Theory" CIIT, COMSATS on November 2-3, 2016.
- Miss Musavarah Sarwar attended a conference Understanding Salam Two Day School on Salam's Big Ideas, Abdus Salam School of Mathematical Sciences, Lahore (January 28-29, 2017).
- Miss Musavarah Sarwar attended a conference 3rd International Conference on Pure and Applied Mathematics, CMAP, UMT Lahore (March 4-6, 2017).
- Miss Musavarah Sarwar delivered a talk On m -Polar Fuzzy hypergraphs, International Workshop on Nonlinear Analysis and Applications, at ICMAP UMT, Lahore (October 1-3, 2016).
- Miss Musavarah Sarwar delivered a talk Extensions and Applications at Department of Mathematics, University of the Punjab, Lahore.
- Miss Fariha Zafar attended a conference 3rd International Conference on Pure and Applied Mathematics, CMAP, UMT Lahore (March 4-6, 2017).
- Mr. Muhammad Nadeem Bari delivered a talk Circuits of Different Lengths in $PSL(2, Z)$ Space at Department of Mathematics, University of the Punjab, Lahore (December 12, 2016).
- Mr. Muhammad Haris Mateen attended a conference One Day Workshop on Soft Set Theory at GC University Lahore (May, 2017).
- Mr. Ghous Ali attended a conference One Day Workshop on Soft Set Theory, at GC University Lahore (May, 2017).



○ **Research Journals**

Punjab University Journal of Mathematics (PUJM, Category X) Journals have been exchanged in the different libraries worldwide.

RESEARCH COLLABORATION

○ **Foreign Linkages**

- Department of Mathematics, University of the Punjab, Lahore-Pakistan and School of Mathematical Sciences, University of Sians, Malaysia has signed Memorandum of Understanding (MOU) for research collaboration.
- School of Engineering, Manufacturing and Mechanical Engineering, University of Birmingham, UK.

○ **Funding grants for R&D**

- HEC granted scholarships for seven Ph.D. Scholars.
- DPCC granted (three for Ph.D. student and three for M.Phil. student).

DEPARTMENT OF PHYSICS

○ **R&D-An Overview**

Research activities in the Department are going on in various areas including experimental and theoretical Physics in collaboration with other national institutions/ Organizations namely PINSTECH, INMOL, Shaukat Khanum Hospital, SUPARCO, Govt. College University, CSSP, Department of Meteorology and PCSIR. The main fields of research in theoretical Physics are: Quantum Field Theory, Conformal Field Theory, Condensed Matter Physics, Plasma and Nonlinear Physics. On the other hand, the experiment research includes Material Science, Solid State Physics, Nuclear Physics, Nuclear Medicine, Physics of Semiconductor Devices, Atmospheric Physics, Environmental Pollution & Climatology, and Quantum Wires / Quantum Dots (Nanotechnology) and estimation chemical contamination of drinking water. Fourteen (14) research papers have been published in National and Internal Research Journals by the faculty members in the last academic year and many are submitted.

○ **Publications**

- Yousaf, M., Rafique, H. M., Amin, M., Ramay, S. M., Atiq, S., Alzayed, N. S., & Siddiqi, S. A. (2017). VISIBLE-LIGHT-INDUCED Fe-DOPED ZnO MAGNETIC PHOTOCATALYST NANOPARTICLES FOR DEGRADATION OF METHYLENE BLUE. *Digest Journal of Nanomaterials & Biostructures (DJNB)*, 12(1). (IF = 0.836)
- Amin, M., Rafique, H. M., Yousaf, M., Ramay, S. M., Saleem, M., Abbas, S. K., & Atiq, S. (2017). Multiferroicity in sol-gel synthesized Sr/Mn co-doped BiFeO₃ nanoparticles. *Journal of Materials Science: Materials in Electronics*, 28(22), 17234-17244. (IF = 2.019)
- Ahmada, M., Chanda, S., & Rafiqueb, H. M. (2017). Geostatistical cokriging and multivariate statistical methods to evaluate groundwater salinization in Faisalabad, Pakistan. *DESALINATION AND WATER TREATMENT*, 84, 93-101(I.F 0.93).



- Dr. Mahmood-ul Hassan (2017), Darboux transformation of a semi-discrete coupled dispersionless integrable system, Commun Nonlinear Sci Number Simulat (I.F 2.784)
 - Dr. Mahmood-ul Hassan (2017), Exact Solutions of Hermitian Symmetric Space Derivative Nonlinear Schrodinger Equations, Journal of Physical Society of Japan (I.F2.572)
 - Dr. Mahmood-ul Hassan (2017), Bilinearization and soliton solutions of N=1 supersymmetric coupled dispersionless, Journal of Nonlinear Mathematical Physics
 - Dr. Mahmood-ul Hassan (2017), Darbox Transformation and exact multisolitons of CPN nonlinear signam Model, Journal of Mathematical Analysis and Applications (I.F 1.064)
 - Munazza Zulfiqar Ali , S. Mahmood, S. Sadiq, Q.Haque (2017) Nonlinear Surface waves in photonic lyber crystals , Physics Letters A (I.F1.772)
 - Dr. Usman Saleem (2017) Darbox Transformation and exact multisolitons of CPN nonlinear signam Model, Journal of Mathematical Analysis and Applications (I.F 1.064)
 - Dr. Usman Saleem (2017) Exact Solutions of Hermitian Symmetric Space Derivative Nonlinear Schrodinger Equations, Journal of Physical Society of Japan (I.F2.572)
 - Dr. Farzana (2017) Structural dielectric and magnetic properties of sol-gel synthesized Bi Lax feo3 magnatisim
 - Dr. Athar Javed (2017) Study of the stuructural elastic and magnetic properties of ScFeCrT (T= Si,Ge) Heusler alloys by first principle approach,. Mag. Mag. Mater (I.F2.630)
 - Dr. Mahmood-ul Hassan (2017) Room temperature ferromagnetic properties in single phase $Zn_{1-x}Mn_xS$ fabricated by co- precipitation technique, Journal of Material Science, (I.F 2.5)
 - Dr. Mahmood-ul Hassan (2017) Structural dielectric and ferromagnetic properties of Nan-crystalline co-doped Sns, Applied Physics A (I.F 1.772)
- **Research Journals**
The following journals are received regularly:
- Scientific American
 - Nature Physics
 - Cern Courier
 - Korian Physics Society
 - Nuclear Science
 - Nuclear Engineering & Technology
 - Scientific Research, published by University of the Punjab

RESEARCH COLLABORATION

- **Indigenous**
Higher Education Commission, Punjab University, Lahore, School of Physical Sciences, PU, Lahore, Lahore University of Management Sciences



○ **Foreign Linkages**

- Department of Radiation Medicine, University of Kentucky, USA, Southside
- Regional Medical Centre, Petersburg, VA, USA and Department of Electrical
- Engineering and Computer Science, Michigan State University, USA.
- International Centre for Theoretical Physics, (ICTP) Italy

○ **Funding grants for R&D**

Mostly teachers of the Department of Physics applied for research grants under Faculty Development Programme of PU, Lahore and they were awarded accordingly.

DEPARTMENT OF SPACE SCIENCE

○ **Journals**

Impact Factor Research Publications of

- Dr. Syed Amer Mahmood
 - Muhammad Umar, Adil Latif and Syed Amer Mahmood, "Comparative study of performance of real-time satellite-derived rainfall in Swat Catchment" in Arabian Journal of Geosciences, DOI 10.1007/s12517-017-2894-3, IF=0.955.
 - Syed Muhammad Hassan Raza, Syed Amer Mahmood, Alamgir Akhtar Khan & Veraldo Liesenberg, "Delineation of Potential Sites for Rice Cultivation Through Multi-Criteria Evaluation (MCE) Using Remote Sensing" International Journal of Plant Production, ISSN 1735-8043, Int. J. Plant Prod. Springer Nature, DOI 10.1007/s42106-017-0001-z. IF=1.069
 - Shahbaz Baig, Waqas A. Qazi, Aqeela Mobeen Akhtar, Mirza Muhammad Waqar, Ahmad Ammar, Hammad Gilani & Syed Amer Mahmood (2017), Above Ground Biomass Estimation of Dalbergia sissoo Forest Plantation from Dual-Polarized ALOS-2 PALSAR Data, Canadian Journal of Remote Sensing, DOI: 10.1080/07038992.2017.1330143, Taylor and Francis, IF=1.838
 - Muhammad Younis, Iqra Ishaq, Sobia Parveen and Syed Amer Mahmood, On optical solitons: the nonlinear Schrödinger equation with self-steepening and self-frequency shift in Opt Quant Electron (2017) in Springer Nature, 49:399, DOI 10.1007/s11082-017-1233-y, IF=1.055
 - A.H. Arnous, Syed Amer Mahmood, M. Younis, "Dynamics of optical solitons in dual-core fibers via two integration schemes" in Super Lattices and Micro Structures (ELSEVIER), 106 (2017), 156-162. IF=2.123
 - Muhammad Younis a, Hamood ur Rehman, Syed Tahir Raza Rizvi, Syed Amer Mahmood. "Dark and singular optical solitons perturbation with fractional temporal evolution" in Super Lattices and Micro Structures (ELSEVIER), 104 (2017), 525-531. IF=2.123.



○ **Research Publications (Journals)**

Jahanzeb Qureshi and Amer Masood

- S.A. Mahmood, A. Masood, J. Qureshi, R.M.A.Khan, Neotectonics of Gilgit-Baltistan: insight from SRTM DEM; in *Geodynamics Research International Bulletin*, ISSN 2345-4997, 3(1): 1-9, S.No.9, JUNE 2015.
- S.A. Mahmood, J. Qureshi, A. Masood, DEM based appraisal of Neotectonics in Potwar Plateau- N.Pakistan; in *Geodynamics Research International Bulletin*, ISSN 2345-4997, 2(5): 1-8 (2015)
- Jahanzeb Qureshi*, Amer Masood, Waqas Shafi, M. Abrar Hussain and Syed Amer Mahmood (2017), Variation in Meteorological Parameters Over Pakistan during April 2014; in *Journal of Basic & Applied Sciences*, 13,:185-192, APRIL 2017. HEC recognized (Y category)
- S.A. Mahmood, I. Murtaza, S.R.Ahmad, A. Masood, DEM based active deformation in Awaran and vicinity Baluchistan (Pakistan); in *Geodynamics Research International Bulletin*, ISSN 2345-4997, 3(3), 2015.

○ **Conferences**

- Amer Masood, Syed Amer Mahmood, and Jahanzeb Qureshi, SRTM DEM based Neotectonics in Hunza valley in Pakistan Through Fractal Dimension and Stream-length Gradient Approach; *ISNET/NARSS workshop on "Earth Remote Sensing with SAR" 27 Nov-01 Dec 2016 at Cairo, Egypt.*
- Dr. Salman Tariq
 - Salman Tariq, Zia ul-Haq, Ali Imran, Usman Mehmood, Muhammad Umar Aslam, Khalid Mahmood, 2017. CO₂ emissions from Pakistan and India and their relationship with economic variables, *Applied Ecology and Environmental Research*. 15(4), 1301-1312. *Impact Factor* 0.681.
 - Zia ul-Haq, Zertasha Ramzan, Salman Tariq, Syeda Adila Batool, Muhammad Ali, Javed Sami, 2017. Comparison of total ozone column observations from space-borne Ozone Monitoring Instrument with ground-based Dobson Ozone Spectrophotometer at an urban location in Indo-Gangetic Basin, *International Journal of Remote Sensing*, VOL. 39, NO. 2, 544–564, An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. *Impact Factor* 1.724.
 - Zia ul-Haq, Salman Tariq, Muhammad Ali, 2017. Spatiotemporal Patterns of Correlation between Atmospheric Nitrogen Dioxide and Aerosols over South Asia, *Meteorology and Atmospheric Physics*, DOI 10.1007/s00703-016-0485-6, *Impact factor* 1.159.
 - Khalid Mahmood, Syeda Adila Batool, Fiza Faizi, Ch. Muhammad Nawaz, Zia ul-Haq, Asim Daud Rana, Salman Tariq, 2017. Bio-thermal effects of open dumps on surroundings detected by remote sensing - influence of geographical conditions, *Ecological Indicator* 82, 131–142. *Impact Factor* 3.898.



- Zia ul-Haq, Salman Tariq, Muhammad Ali, Asim Daud Rana, Khalid Mahmood, 2017. Satellite sensed tropospheric NO₂ patterns and anomalies over Indus, Ganges, Brahmaputra and Meghna river basins, *International Journal of Remote Sensing*, An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. VOL. 38, NO. 5, 1423–1450 *Impact Factor* 1.724.
- Shahid Parvez
 - Amira B. S., Shahid P., Ikram M., Humaira B., (2017), Land suitability assessment for maize crop in Okara district using GIS techniques, *Int J of Life Sciences Research*, Research Publish, Vol. 5, Issue 2, pp: (37-44); ISSN 2348-313X (Print), ISSN 2348-3148 (online).
 - Zahida N., Mansoor T., Shahid P., (2017), Spatio-temporal surface hydrology of Hispar Glacier using Remote Sensing, poster presented at the Summer School on Water Informatics: Science and Systems held at LUMS Centre for Water Informatics & Technology, Lahore (21-23 May 2017).
 - Imran H. A., Munir B. A., Shahid P., (2016), Climate Change Impact Assessments of a Selected Area of Himalaya Glaciers of Pakistan Using RS & GIS, presented in the International Conference on Space, Islamabad (20-22 Sep 2016).
 - Zafar I. Z., Munir B. A., Shahid P., (2016), Monitoring and Mapping Avalanches and their Hazards in Pakistan Glaciers using RS&GIS Techniques, presented in the International Conference on Space, Islamabad (20-22 Sep 2016).
 - Shahid P., Rida B. (2016), Importance of GIS Education and Its Current Scenario in Pakistan, *Int J of R&D in Social Sc (IJRDS)*, Vol. 02. No. 05, 43-49, ISSN: 2415-217X.
 - Zia U. H., Salman T., Asim D. R., Ali M., Khalid M., Shahid P. (2015), Satellite remote sensing of total ozone column (TOC) over Pakistan and neighbouring regions, *Int J Rem Sens*, Taylor & Francis, Vol. 36, No. 4, 1038–1054; DOI: 10.1080/ 01431161.2015.1007255.

INSTITUTE OF CHEMISTRY

○ Research and Development

Institute of Chemistry is one of the most active institute of University of the Punjab regarding its contribution toward research and development. The faculty members of the institute are actively involved in the research and development and present their work at various international and national conferences, seminars and workshops. Around 50 publications have been published in the above mentioned time period.

Institute of Chemistry has also established research collaborations and linkages with the following organizations.

- PCSIR, Ferozpur Road, Lahore.
- HEJ, Karachi.
- PINSTECH, Islamabad.
- NIBJI, Faisalabad.
- INMOL, Lahore.



○ **Projects**

- Research Project entitled “Synthesis, Characterization and Catalytic Applications of Metal Nanoparticles Fabricated in New Smart Polymer Microgels” worth of Rs. 3899034/- (Three Million eight hundred ninety nine thousand and thirty four only) funded by Higher Education Commission, Islamabad got by Dr. Zahoor Hussain Farooqi, Assistant Professor, Institute of Chemistry, University of the Punjab, Lahore.
- Research Project entitled “Synthesis & analytical investigation of Clay based metal oxide catalysts for the production of fuel oil polyethylene waste” worth of Rs. 1842854/- (One Million Eight Hundred Forty Two Thousands, Eight Hundred Fifty Four Rupees Only) funded by Higher Education Commission, Islamabad got by Dr. Madeeha Batool, Assistant Professor, Institute of Chemistry, University of the Punjab, Lahore.
- Research project entitled “Transformation of Waste to Energy” Establishment of Industrial Research Laboratory for Conversion of Biomass/Communal Waste” under umbrella project “Capacity Building & Upgradation of Selected Departments at University of the Punjab worth of Rs. 71.081 million funded by Higher Education Commission, Islamabad got by Dr. Zaib Hussain, Assistant Professor, Institute of Chemistry, University of the Punjab, Lahore

○ **Research Collaborations**

Institute of Chemistry has also established research collaborations and linkages with the following organizations. However there is no any foreign linkage

- PCSIR, Ferozpur Road, Lahore.
- HEJ, Karachi.
- PINSTECH, Islamabad.
- NIBJI, Faisalabad.
- INMOL, Lahore.

INSTITUTE OF GEOLOGY

○ **Research & Development: An Overview**

The Institute of Geology, University of the Punjab is oldest seat of learning in the discipline of Geology, and is providing trained indigenous workforce equipped with strong academic background in natural resources to the industry. Over the years, the Institute of Geology has evolved to hold a unique position in the country in geologic education. Bachelor of Science degree being offered at the Institute of Geology is a blend of theory, observation, laboratory studies and basic sciences, with special emphasis on fieldwork. While, M.Phil. in Applied Geology is a professional career oriented program, having diversified fields of specialization addressing major areas of geoscience, enabling the students to take up specialized professional career as geologists in industry and to be prepared to step forward to higher education in a specific field of geology.



Institute of Geology has produced 37 graduates of B.S. Applied Geology, 25 M.Phil. Applied Geology degree programs in the discipline of Geology during the academic year 2016-17.

○ **Project: Completed**

During the report period 2016-17 following research projects have been completed by the faculty members at the Institute.

Sr. No.	Projects Title	Investigator	Amount (Rs.)	Sponsoring Agency	Duration (year)
1.	Sedimentology of the Early Cambrian Kussak Formation, Eastern Salt Range, Pakistan	Prof. Dr. Shahid Ghazi	250,000/-	University of the Punjab, Lahore	01 year
2.	Biostratigraphy of Patala Formation, Hazara area, Northern Pakistan	Dr. Shahid Jamil Sameeni	200,000/-	-do-	-do-
3.	Facies modeling and depositional settings of Margala Hill limestone Hazara-Kashmir Basin, Pakistan	Dr. Naveed Ahsan	200,000/-	-do-	-do-
4.	Back Analysis of Earthquake, Induced 80 M High Slope Failure along Shinkari-Jabori Road, Abbottabad, Pakistan	Dr. Mian Sohail Akram	150,000/-	-do-	-do-
5.	Investigation of Hydrogeological and geophysical Subsurface conditions to Delineate Groundwater System in District Bahawalpur, Punjab Province of Pakistan	Dr. Pervez Khalid	150,000/-	-do-	-do-
6.	Hydrogeological and Geophysical Investigation to Delineate Groundwater Potential in District Rahim Yar Khan, Punjab	Mr. Zia-ud-Din	150,000/-	-do-	-do-



7.	Detail Study of a Major Landslide Near Chatar Kalas AJK, Pakistan	Mr. Salman Farooq	125,000/-	-do-	-do-
8.	Sedimentology and Resource Estimation of Margala Hill Limestone with Special Emphasis on its importance in Engineering Projects.	Mr. Shahid Ali	125,000/-	-do-	-do-
9.	Photocatalyzed degradation of Malchiasite Green dye from textile dyeing effluents	Ms. Mehwish Akram	125,000/-	-do-	-do-
10.	Soil Liquefaction Susceptibility Mapping of Rawalpindi City, Pakistan	Mr. Muhammad Sanaullah	125,000/-	-do-	-do-

○ **Publications**

Following research papers have been published by the faculty members during the report period 2016-17

Sr. No	Authors & Co-Authors	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact factor (if)	HEC Recog	Other	Conferences Proceedings
1.	M.H. Attique, M.U. Saleem, Ahmad S.R., Ahmad N., S.J. Sameeni , M. Akram & M. Farooq	Role of canal lining on Ground Water Fluctuations: A Modeling Simulation Approach for Jaalwala Distributary, Bahawalnagar	Journal of Applied Sciences	7 (5)	0.9			
2.	A. Noor, S. Akram , L. Ahmed & W. Sarwar	Back analysis of an earthquake triggered landslide in Mansehra district, Pakistan	Journal of Himalayan Earth Sciences	50 (1A)		X		



3.	M. S. Akram , S. Farooq, M. Naeem, S. Ghazi	Prediction of mechanical behaviour from mineralogical composition of Sakesar limestone, Central Salt Range, Pakistan	Bulletin of Engineering Geology and Environment		1.9			
4.	S. Akram & A. Iqbal	Development of Portable Instant Soil Moisture Content Sensor						International Conference for New Challenges in Geo-technical Engineering (ICNCGE), FAST-NUCES Lahore Pakistan
5.	I. Elahi & S. Akram	Estimating Soil Depth to Bedrock for Seismic Site Characterization (Conference)						International Conference for New Challenges in Geo-technical Engineering (ICNCG), FAST-NUCES Lahore Pakistan
6.	Azeem T., Chun W.Y., Lisa M., Khalid P. , Qing L.X., Ehsan M.I., Munawar M.J., and Wei X.	An integrated petrophysical and rock physics analysis to improve reservoir characterization of Cretaceous sand intervals in Middle Indus Basin, Pakistan	Journal of Geophysics and Engineering	14	0.994			
7.	Farid A., Khalid P. , Jadoon K.Z., Iqbal M.A., and Shafique M.	Applications of variogram modeling to electrical resistivity data for the occurrence and distribution of saline groundwater in Domail Plain, northwestern Himalayan fold and thrust belt, Pakistan.	Journal of Mountain Science	14	1.016			



8.	Muhammad S., Khalid P.	Hydrogeophysical investigations for assessing the groundwater potential in part of the Peshawar basin, Pakistan.	Environmental Earth Sciences	76	1.569			
9.	Farid A., Khalid P. , Jadoon K.Z., Iqbal M.A., and Small J.	Distribution of alluvial hydraulic characteristics by the application of variogram modelling to electrical resistivity soundings in an intermontane basin.	Geoscience Journal	21 (5)	1.095			
10.	Farid A., Khalid P. , Ali M.Y., Iqbal M. A. and Jadoon K.Z.	Seismic stratigraphy of the Mianwali and Bannu depressions, north-western Indus foreland basin	International Journal of Earth Sciences		2.283			
11.	Sanaullah, M. , Ahmad, S. R., Zeeshan, M., Arsalan, Z. Ahmad, N	Evaluation of Morphometric Parameters of Haro River Drainage Basin in Northern Pakistan	Polish Journal of environmental studies	26 (4)	0.79			
12.	Sanaullah, M. , Ahmad, S.R., Yousaf, Z., Abbas, Z., Akhtar, Z. H., Abbas, M., Mustafa, J., Zaheer, M. and Hamza, A.	Effect of Coarse Aggregate and Slag type on the Mechanical Behavior of High and Normal Weight Concrete Used at Barrage Structure	International Journal of economic and Environmental geology	8 (2)		HEC "Y"		
13.	Waqas, M., Luqman, M., Sanaullah, M.	Assessment and Extraction Of Hydrological Parameters Of Munda Dam Watershed – A Geospatial Approach (I.F)	Sci. Int. (Lahore)	29 (4)			JCR 2016	



14.	Sanaullah, M., Hussain, Z., Yousaf, Z., Ahmad, S.R. and Zaheer, M.	Susceptibility of Jhelum river bed aggregate to alkali silica reaction and its potential as construction aggregate (HEC X)	Journal of Himalayan Earth Sciences	50 (2)		HEC "X"		
15.	Sanaullah, M., Zaman, N., Ahmad, S.R. and Khan, A.J.	Fluoride Mobilization Mechanism and Its Influence on Groundwater Quality Parameters for Deltaic Plain, District Of Lower Indus Basin						2nd IWA Regional Symposium on water, Wastewater and Environment
16.	Iman, S. and Sanaullah, M.	Investigating Alluvial Aquifer for Groundwater Management in Khanewal District, South Punjab, Pakistan.						1st Int. Conference on Emerging Trends in Earth and Environment al Sciences (ETEES)
17.	Sanaullah, M., Khurshid, H.A, Zeeshan, M., Zafar, T. and Zaman, Noor	Alkali Carbonate Reaction (ACR) Susceptibility Investigations for Dolomite of Early Cambrian by Physio- Mineralogical Techniques						International Conference on Mining and Fuel Industries (CMFI-2017), Karachi, Pakistan, At University of Karachi
18.	Sanaullah, M., Saleem, M.U., Khan, M.R., Baber, Z., Nizami, A.R. and Shad, M.A.	Optimum Method for Missing Data of Geopotential Height over Pakistan gathered from AQUA Satellite						International Conference on Mining and Fuel Industries (CMFI-2017), Karachi, Pakistan, At University of Karachi



19.	Hussain, M., Ahmed, N.	Reservoir Geomechanics Model Building Using Well Logs and Seismic Reflection Data: Insight from Sinjhor Field, Lower Indus Basin, Pakistan	Arabian Journal for Science and Engineering		0.865			
20.	Ahmed, N. , Kausar, T., Khalid, P., Akram, S.	Assessment of Reservoir Rock Properties from Rock Physics Modeling and Petrophysical Analysis of Borehole Logging Data to Lessen Uncertainty in Formation Characterization in Ratana Gas Field, Northern Potwar, Pakistan	Journal of Geological Society of India		0.47			
21.	Ahmed N. , Khalid P., Shafi H.M.B., and Connolly P.	DHI evaluation by combining rock physics simulation and statistical techniques for fluid identification of Cambrian-to-Cretaceous clastic reservoirs in Pakistan.	Acta Geophysica	65 (5)	0.968			
22.	Hussain, M., Ahmed, N. , Chun, W.Y., Khalid, P., Mahmood, A., Ahmad, S.R.	Reservoir characterization of Basal Sand Zone of Lower Goru Formation by Petrophysical studies of Geophysical logs.	Journal of the Geological Society of India.	89 (2)	0.479			



23.	Hussain, M., Chun, W.Y., Khalid, P., Ahmed, N. , Mahmood, A.	Improving petrophysical analysis and rock physics parameters estimation through statistical analysis of Basal sands, Lower Indus Basin, Pakistan.	Arabian Journal of Sciences and Engineering.	42 (1)	0.865			
-----	--	--	--	--------	-------	--	--	--

○ **Conferences, Seminars and Workshops, etc.**

Organized

The Institute of Geology has organized following seminars and workshops during the academic year 2016-17.

- 2 day workshop on “hydrocarbon exploration techniques using surface geology and subsurface well log data” organized by Pakistan Association of Petroleum Geosciences (PAPG) from 22-23 October 2016.
- 2 day workshop on “role of integrated sequence stratigraphy into reservoir characterization” from 3-4 November 2016.
- Lecture on Sequence Stratigraphy and Sea level changes on 09 February, 2017.

Participated

- Dr. Naveed Ahsan and B.S/M.Phil students participated in one day Field Geological Course on 27th March 2017 titled “Geological Field Course of Southern Peshawar Basin Attock-Cherat Range, Nizampur Basin & the Kala Chitta Ranges” organized by the Pakistan Association of Petroleum Geoscientists (PAPG).
- Dr. Pervez Khalid, Dr. Muhammad Armaghan Faisal and two M.Phil students participated in Annual Technical Conference (ATC-17) at Islamabad from November 22-23, 2017.

○ **Research Journals**

Institute of Geology publishes an annual research journal “The Geological Bulletin of the Punjab University” up-coming Vol. 46 & 47 is under printing process.

RESEARCH COLLABORATION

○ **Indigenous**

- Research collaboration with Pakistan Association of Petroleum Geologists (PAPG).
- Research collaboration with Oil & Gas Training Institute (OGTI) and Oil & Gas Development Corporation (OGDCL), Islamabad.
- Research Collaboration with Pakistan Petroleum Limited(PPL), Karachi



○ **Foreign Linkages**

- Linkages with Seismic Micro Technology Inc. Katy Freeway, Houston Texas, USA.
- Hydrological Institute, Sweden
- M/S Thies, Germany

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

○ **Research and Development**

In order to promote the research culture and activities, a research advisory committee has been constituted, which is responsible for setting up guidelines pertaining to MPhil and PhD degree programs, as well.

Furthermore, research labs in the following areas have been established:

- Computer Vision
- Parallel and Distributed Computing
- Internet of Things
- Artificial Intelligence and Multidisciplinary Research Lab
- Cloud Computing
- Image & vision Computing Lab
- Information systems lab / Natural Language Processing Lab
- Compiler & HPC Lab/ Imaging & Data Science Lab

The above mentioned labs are being used for conducting research, by the graduate students.

○ **Research Journals**

Name of Author	Title of Paper/Article
H. Tazeem, M. S. Farid, A. Mahmood	Improving security surveillance by hidden cameras.
M. Hamid Ch, M. Ashraf, Qudsia Hamid, Syed Mansoor Sarwar, Zulfiqar Ahmad Saqib Qudsia Hamid	Geospatial Techniques for Assessment of Bank Erosion and Accretion in the Marala Alexandria Reach of the River Chenab,
Zobia Suhail, Reyer Zwiggelaar, and Erika R. E. Denton	Tree-based modelling for the classification of mammographic benign and malignant micro-calcification clusters.
M. Khan, M. Grzegorzek, Wojta-therapy	A Vision-based Framework to Recognize the Movement Patterns.
O. Nawaz, T. Minhas, and M. Fiedler	"QoE based comparison of H.264/AVC and WebM/VP8 in error-prone wireless network," in Proceeding of IFIP/IEEE International Workshop on Quality of Experience Management, Lisbon, 8-10th May 2017



M.S. Farid, M. Lucenteforte, M.H. Khan, M.	Grangetto, "Semi-automatic Segmentation of Scattered and Distributed Objects," in Kurzynski M., Wozniak M., Burduk R. (eds) Proceedings of the 10th International Conference on Computer Recognition Systems (CORES) 2017. Advances in Intelligent Systems and Computing, vol. 578. Chapter 12, pp. 110-119, May 2017, Springer, Cham, Switzerland.
M.H.Khan, F. Li, M.S. Farid, M. Grzegorzec	"Gait Recognition using Motion Trajectory Analysis," in Kurzynski M., Wozniak M., Burduk R. (eds) Proceedings of the 10th International Conference on Computer Recognition Systems (CORES) 2017. Advances in Intelligent Systems and Computing, vol. 578. Chapter 8, pp. 73-82, May 2017, Springer, Cham, Switzerland.
A. Delforouzi, S. A. H. Tabatabaei, M. Khan, M. Grzegorzec	"A Vision-Based Method for Automatic Crack Detection in Railway Sleepers." 10th International Conference on Computer Recognition Systems, 2017
Dr. Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto	Evaluating Virtual Image Quality using the Side-Views Information Fusion and Depth Maps
Muhammad Hassan Khan, Dr. Muhammad Shahid Farid, Marcin Grzegorzec	Person Identification Using Spatiotemporal Motion Characteristics
Dr. Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto	Perceptual Quality Assessment of 3D Synthesized Images
Muhammad Hassan Khan	Gait Recognition using Motion Trajectory Analysis
Muhammad Hassan Khan	Vojta-therapy: A Vision-based Framework to Recognize the Movement Patterns
A. Delfrouzi, S. A. Tabatabaei, M. Khan, M. Grzegorzec	A Vision-Based Method for Automatic Crack Detection in Railway Sleepers
Mian Muhammad Mubasher	Modeling of Individual Differences in Car-Following Behaviour of Drivers
Dr. Syed Mansoor Sarwar, Dr. Muhammad Murtaza, Dr. Shahzad Sarwar, Dr. Khuram Shahzad, Dr. Syed Waqar ul Qounain	Temporal and Evolving Data Warehouse Design



D. Muhammad Murtaza Yousaf, Dr. Shahzad Sarwar, Dr. Syed Waqar ul Qounain, Dr. Laeeq Aslam	Noval Composite Burst Assemble for OBS-Networks
D. Muhammad Murtaza Yousaf, Dr. Shahzad Sarwar, Dr. Syed Waqar ul Qounain, Dr. Laeeq Aslam	Analytical Model of Delayed Server System (DSS) for Energy Conservation,
Dr. Syed Mansoor Sarwar, Dr Faisal Aslam, Dr. Zubair Nawaz, Muhammad Adnan	Rubus: A compiler for seamless and extensible parallelism
Muhammad Haris	Spatio-temporal Network Constrained Trajectory Data Mod
Dhanapal Durai Dominic, Abid Sohail, Khurram Shahzad.	<i>Business Process Analysis: A Process Warehouse based Resource Preference Evaluation Method.</i> International Journal of Business Information Systems (IJBIS)
R. Vanwersch, K. Shahzad, I. Vanderfeesten, K. Vanhaecht, P. Grefen, L. Pintelon, J. Mendling, F. Merode, and H. Reijers.	<i>A critical review and framework of business process improvement methods.</i> Business & Information Systems Engineering (BISE)
Q. Hamid, M.H. Chauhdry, S. Mahmood, M.S. Farid,	<i>"Arc GIS and 3D Visualization of Land Records,"</i> National Academy Science Letters, 2015
Aslam, L., Sarwar, S., Yousaf, M. M., and Qounain, W. U	<i>"Cycle Discrepancy of d-Colorable Graphs",</i> Pakistan Journal of Electrical and Applied Sciences, 2015.
Muddassira Arshad and Aasim Ali,	<i>"Urdu Treebank".</i> Science International, Lahore Pakistan, ISSN: 1013-5316
Aasim Ali, Amina Deen, and M. Kamran Malik,	<i>"Development of Textual Inventory to Solve the Problems Faced by Blind Persons regarding Diagrams when using Screen Reader Software".</i> Science International, Lahore Pakistan, ISSN: 1013-5316
Aasim Ali and M. Aasim Qureshi.	<i>Using Morpho-Syntactic Tagging in English-to-Urdu Statistical Machine Translation".</i> Science International, Vol. 27, No. 5, Lahore Pakistan, ISSN: 1013-5316, (2015).
J. Iqbal, I. Ahmad,	Optimal Online k-min search. EURO Journal on Computational Optimization, May 2015, Volume 3, Issue 2: 147-160.



Mubasher, M. M., Jaffry, S.W.	<i>"Incorporation of the Driver's Personality Profile in an Agent Model"</i> . In: PROMET – Traffic & Transportation, (PTT), Vol. 27, No. 6, pp. 505-514, (2015).
Asif, Tahira, Aasim Ali, and Kamran Malik.	<i>"Developing a POS Tagged Resource of Urdu"</i> . Science International, 27(5), pp. 4479-4483, (2015).
Malik, Muhammad Kamran, and Syed Mansoor Sarwar.	<i>"Urdu Named Entity Recognition and Classification System Using Conditional Random Field"</i> . Science International, 27(5), pp. 4473-4478, (2015).
Malik, Muhammad Kamran, Aasim Ali, and Khawar Mahmood.	<i>"Building Named Entity Recognition and Classification System for Resource Poor Languages Using Parallel corpus: English-Urdu as Case Study"</i> . Science International, 27(5), pp. 4531-4534, (2015).
Zobia Suhail, Mansoor Sarwar, Kashif Murtaza,	<i>"Automatic Detection of Abnormalities in Mammograms"</i> , BMC Medical Imaging 2015, 15:53. (2015). DIO: 10.1186/s12880-015-0094-8
M.S. Farid, M. Lucenteforte, M. Grangetto	<i>"Panorama View With Spatiotemporal Occlusion Compensation for 3D Video Coding," IEEE Transactions on Image Processing</i> , vol.24, no.1, pp.205-219, Jan. 2015
Waheed Iqbal, Matthew Dailey, David Carrera	<i>Unsupervised Learning of Dynamic Resource Provisioning Policies for Cloud-hosted Multi-tier Web Application</i> . IEEE Systems Journal, 2015. DOI: 10.1109/JSYST.2015.2424998.
Muhammad Arif Butt and Muhammad Akram	<i>"A novel fuzzy decision-making system for CPU scheduling algorithm"</i> , Neural Computing and Applications, July 2015. DOI: 10.1007/s00521-015-1987-8
Sarfraz, M., Hussain, M.Z. and Hussain, F	<i>Shape preserving curves using quadratic trigonometric splines</i> , Applied Mathematics and Computation, 265, (2015), 1126-1144.
G. Ashiotis, A. Deschildre, Z. Nawaz,, J.P. Wright, D. Karkoulis, F.E. Picca, & J. Kieffer,	<i>The Fast Azimuthal Integration Python library</i> , (2015). J. Appl. Cryst. 48, 510-519.
Kamran Malik and Syed Mansoor Sarwar	<i>"Urdu Named Entity Recognition and Classification System using Condition Random Variables"</i> , Science International, Vol. 27, No. 5 (2015), pp. 4473-4477



Ather Ashraf, Muhammad Imran, Atiq-ur-Rehman	<i>"Mapping Soil Electric Conductivity using Bayesian Kriging -- A case study from Qasur, Pakistan"</i> , Journal of Geological Society, Springer, 2015
Zia Ul Islam, Sajid Rashid Ahmad, Khurram Chohan, Ather Ashraf	<i>"GIS Enabled Condition Based Asset Management of Gas Distribution Network: A Case Study of Shahdara, Lahore, Pakistan"</i> , Journal of Geographic Information System, 2015
Ather Ashraf, Muhammad Imran, Anam Shahbaz	<i>"Protecting agricultural land in developing countries - -- A case study from Lahore, Pakistan"</i> , International Journal of Advance Remote Sensing, 2015
Muhammad Akram, Noura Alshehri, Bijan Davvaz, and Ather Ashraf	<i>"Bipolar Fuzzy Digraph in Decision Support System"</i> , Journal of Multi-Valued Logic & Soft Computing, 2015
Ali, S., and Willig, A	<i>"Improving passive discovery for IEEE 802.15.4-based mobile body sensor networks"</i> , Australian Journal of Electrical and Electronics Engineering, 2015, pp. 1-12.

SCHOOL OF PHYSICAL SCIENCES

○ **R&D - An Overview**

School of Physical Sciences has state of the art equipments in the field of physical, biochemical and molecular sciences and list of these equipments is described below:

HPLC system, Gel electrophoresis system for DNA and Proteins, PCR machine, X-Ray Diffractometer, Gas Chromatograph, UV transilluminator, , , Food and Beverage Analyzer, CHNS Analyzer, Gerhardt Kjeldatherm Digestion system and Vapodest distillation titration system, Temperature controlled incubators, Keithley Semiconductor Characterization System, High speed centrifuge, Karlfisher titration analyzer, Precision Impedance Analyzer, Automatic Weather Station, UV Spectrophotometer and Rotatory Evaporator,

Above equipments are available for the researchers to carry out research in their designated fields free of charges. Standard operating procedures have been prepared to use these equipments. Currently conditions are being optimized to use these equipments for the analysis of different compounds. Currently PCR, gel electrophoresis system and HPLC system have become functional and students are successfully using them in their research projects.

○ **Projects: Completed:**

From School of Physical Sciences up till now 36 M. Phil and 10 Ph.D students of different departments have completed their research projects related to physical, biochemical and molecular sciences by using resources of School of Physical Sciences, University of the Punjab, Lahore.



○ **Newly Launched:**

Currently 10 M. Phil and 04 Ph. D students of different other departments and Universities are using Laboratories of School of Physical Sciences in their research projects.

○ **Publications: Books /Edited**

- “Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted BaMnO₃ hexagonal perovskites.” Abbas, S. Kumail, M. Adnan Aslam, Muhammad Amir, Shahid Atiq, Zahoor Ahmed, saadat A. Siddiqi, and Shahzad Naseem. *Journal of Alloys and Compounds* 712 (2017) 720-731.
- “Nickel foam anode-supported solid oxide fuel cells with composite electrolytes.” Arshad Muhammad Sarfraz, Naveed Mushtaq, Muhamad Ashfaq Ahmad, Shahzad Naseem, Shahid Atiq, Zahoor Ahmed, Rashid Ali, Ghazanfar Abbas, and Rizwan Raza. *International Journal of Hydrogen Energy* 42(2017) 22288-22293.
- “Tunable dielectric behavior and energy band gap range of ZnAl₂O₄ ceramics mediated by Mg substitution.” Hussain, Tanveer, Huhammad Junaid, Shahid Atiq, Syed Kumail Abbas, Shahid M. Ramay, Basel F. Alrayes, and Shahzad Naseem. *Journal of Alloys and Compounds* 724(2017) 940-950.
- “Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles.” Shahid Atiq, maria Majeed, Aqsa Ahmad, S. Kumail Abbas, Murtaza Saleem, Saira Riaz, and Shahzad Naseem. *Ceramics International* 43(2017) 2486-2494.
- “Tunable structural and electrical impedance properties of pyrochlores based Nd doped lanthanum zirconate nanoparticles for capacitive applications.” Mustafa, Ghulam M., Shahid Atiq, S. Kumail Abbas, Saira Rias, and shahzad Naseem. *Ceramics International* (2017).
- “Thermally assisted electro-active regions in SrMnO₃ ceramics.” Abbas, S. Kumail, Shahid Atiq, Saira Riaz, Shahid M. Ramay, and Shahzad Naseem. *Materials chemistry and Physics* 200(2017) 128-135.
- “Thermally activated variations in conductivity and activation energy in SrMnO₃.” Syed Mumail Abbas, Shahid Atiq, Saira Riaz, and Shahzad Naseem. *Journal of Materials Science: Materials in Electronics* 28(2017) 7171-7176.
- Yousaf, M., **Rafique, H. M.**, Amin, M., Ramay, S. M., Atiq, S., Alzayed, N. S., & Siddiqi, S. A. **(2017)**. VISIBLE-LIGHT-INDUCED Fe-DOPED ZnO MAGNETIC PHOTOCATALYST NANOPARTICLES FOR DEGRADATION OF METHYLENE BLUE. *Digest Journal of Nanomaterials & Biostructures (DJNB)*, 12(1). **(IF = 0.836)**
- Amin, M., **Rafique, H. M.**, Yousaf, M., Ramay, S. M., Saleem, M., Abbas, S. K., & Atiq, S. **(2017)**. Multiferroicity in sol-gel synthesized Sr/Mn co-doped BiFeO₃ nanoparticles. *Journal of Materials Science: Materials in Electronics*, 28(22), 17234-17244. **(IF = 2.019)**



- Ahmada, M., Chanda, S., & **Rafiqueb, H. M. (2017)**. Geostatistical cokriging and multivariate statistical methods to evaluate groundwater salinization in Faisalabad, Pakistan. *DESALINATION AND WATER TREATMENT*, 84, 93-101.

○ **Conferences, Seminars and Workshops, etc.**

School of Physical Sciences (Advance Chemistry Lab) has organized different conferences and workshops in the past and planning to organize more workshops this year as well.

Training Workshop organized

- One day training workshop on HPLC Machine. Held on 26th November, 2016
- One day training workshop on PCR Machine. Held on 6th May, 2017.

The workshops organized earlier were attended by scientists and students from different Universities which included:

- University of the Punjab (different departments).
- University of Health Sciences, Lahore.
- University of Engineering and Technology, Lahore.
- University of Karachi.
- Environmental Protection Agency, Govt. of Punjab.
- University of the Mansehra, KPK.
- University of Agriculture, Faisalabad.
- Kinnaird College, Lahore.
- University of Education, Lahore.
- FC College University, Lahore.
- GCU, Lahore.
- Lahore College for Women University, Lahore.
- Science college wahdat road, Lahore.
- Queen Marry College, Lahore.

○ **Research Collaboration**

School of Physical Sciences (Advance Chemistry Lab) has developed research collaborations with scientific community of different other organization which included:

- University of the Punjab (Different Departments).
- University of Health Sciences, Lahore.
- Science college wahdat road, Lahore.
- Kinnaird College, Lahore.
- Queen Marry College, Lahore.
- South Asian Primary Care Research Network (www.sapcrn.org).



Punjab University Gujranwala Campus

○ **R & D – An Overview**

The faculty members got their 13 research papers published in international journals. They presented their research papers in 3 international conferences.

○ **Publications**

- Shahid Manzoor; Adnan Niazi; Erik Bongcam-Rudloff; "A stepping stone to develop bioinformatics in Pakistan" May, 2017, Vol 23, EMBnet.journal, DOI: <http://dx.doi.org/10.14806/ej.23.0.891>.
- Khalid, F., Imtiaz, S., & Naseer, S. (2016). Performance evaluation of openstackblock storagein disaster management & recovery. International Journal of Computer Science and Information Security, 14 (12), 992.
- Rasool, Ghulam, and Zeeshan Arshad. "A Lightweight Approach for Detection of Code Smells." Arabian Journal for Science and Engineering 42.2 (Feb 2017): 483-506.
- Dr. Naveed Iqbal Chaudhry, Adil Bilal, Muhammad Usman Awan & Asma Bashir (2016) The Mediating Role of Green Intellectual Capital Management on Environmental Consciousness, Competitive Advantage and Financial Performance of the Firm: An evidence from manufacturing companies of Pakistan, Journal of Quality & Technology Management (JQTM) Volume XII; Issue II, Dec 2016. (Recognized "X" Category by HEC)
- Hakim Ali Mahesar, Dr. Naveed Iqbal Chaudhry, Muhammad Akram Ansari & Qasim Ali Nisar (2016) Do Islamic HRM Practices Influence Employee Outcomes: Mediating Role of Employee Engagement, International Research Journal of Arts & Humanities (IRJAH), Vol. 44, December 2016, Pages 85-100.(Recognized "Y" Category by HEC).
- Dr. Naveed Iqbal Chaudhry, Hakim Ali Mahesar, Muhammad Akram Ansari & Mubashir Ali (2016) Impact of Market Orientation on the Performance of Private Universities in Pakistan, International Research Journal of Arts & Humanities (IRJAH), Vol. 44, December 2016, Pages 21-32.(Recognized "Y" Category by HEC)
- Dr. Naveed Iqbal Chaudhry, Adil Bilal, Zain Rasool (2016) Influencing the Attitude towards SMS Advertisement: An Empirical Study in Pakistan: Pakistan Business Review, Vol. 12, October 2016, Pages 675-69. (Recognized "X" Category by HEC).
- Chaudhry, N. I., Mahesar, H. A., Nizamani, H. A., & Tariq, U. (2016). Antecedent's Of Female Learner Satisfaction Regarding E-Learning In The Pakistani Institutes. *The Women-Annual Research Journal of Gender Studies*, 8(8).
- Dr. Naveed Iqbal Chaduhry, Dr. Muhammad Siddique & Sidra Dar (2017) Impact of Corruption on the Soundness of Islamic Banks in Pakistan, Abasyn Journal of Social Sciences – Special Issue: AIC 2016, June 2017, Pages 391-401 (Recognized "X" Category by HEC)



- Dr. Muhammad Siddique, Dr. Naveed Iqbal Chaduhry, Saqib Mehmood, Muhammad Imran Qureshi & Arslan Umar (2017) Relationship between Channel Conflict and Stock Outs at Retail/Distribution Points, Abasyn Journal of Social Sciences – Special Issue: AIC 2016, June 2017, Pages 604-612 (Recognized “X” Category by HEC)
- Zaid Bin Khalid & Dr. Naveed Iqbal Chaudhry (2017) Identifying Key Barriers to Customer Retention in Banking Sector of Pakistan, IBT Journal of Business Studies-JBS Volume 12, Issue 1, June 2017 (Recognized “Y” Category by HEC).
- Dr. Naveed Iqbal Chaudhry, Hakim Ali Mahesar, Saima Kamran Pathan, Amina Arshad & Asad Munir Butt (2017) The Mediating Role of Workplace Interpersonal Mistreatment: An Empirical Investigation of Banking Sector of Pakistan, IBT Journal of Business Studies-JBS Volume 12, Issue 1, June 2017 (Recognized “Y” Category by HEC).
- **Conferences, Seminars and Workshops, etc.**
 - Dr. Shahid Manzoor participated in workshop on Systems Biology and Molecular Economy of Microbial Communities, July 03- 07, 2017, International Centre for Genetic Engineering and Biotechnology (ICGEB - ICTP), Trieste (Italy)
 - Dr. Naveed Iqbal Ch. presented research paper “Unethical and Fraudulent Financial Reporting Intentions among Future Accounting Professionals: Applying the Extended Theory of Planned Behaviour” FOURA 2017 Asian Academic Accounting Association Conference held at Riverside Majestic Kuching Malaysia, November 2016.
 - Dr. Naveed Iqbal Ch. participated as a *Member of Scientific Committee and Key Note speaker* in International Conference on Economics, Finance and Management ICEFM arranged by Istanbul Gelisim University Turkey in cooperation with the University of the West of England UK. The conference was held on April 13-15, 2017 and I have to deliver a talk of thirty minute on my area of research titled as “Human Resource Accounting: Emerging Issues”.

Punjab University Jhelum Campus

- **R & D – An Overview**
The faculty members got their 31 research papers published in international journals. They presented their research papers in 3 international conferences.
- **Publications**
 - Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Haroon Iqbal, Adeel Nasir (2017), “Impact of Pakistan’s performance in international cricket on Pakistan stock exchange”, Transylvanian Review, Vol XXV, No. 18. [Impact Factor 0.045 Enlisted in JCR 2016 Funded by Punjab University Lahore]



- Haroon Iqbal, Dr. Muhammad Mudasar Ghafoor, Tabassum Riaz, Adeel Nasir (2017), "Good Day Sunshine: Stock Returns and Weather, Evidence from Pakistan Stock Exchange (PSX)", *Transylvanian Review*, Vol XXV, No. 18. [Impact Factor 0.045 Enlisted in JCR 2016 Funded by Punjab University Lahore]
- Dr. Abdul Haque, Adeel Nasir, Dr. Muhammad Mudasar Ghafoor, Tabassum Riaz, Haroon Iqbal (2017) "Systematic and Idiosyncratic Risk and Return Administration using Quintile Regression; A Case of Pakistani Banking Sector", *Transylvanian Review*, Vol XXV, No. 20. [Impact Factor 0.045 Enlisted in JCR 2016 Funded by Punjab University Lahore].
- Dr. Muhammad Mudasar ghafoor, Dr. Kanwal Iqbal Khan, Tabassum Riaz, Sadia Saddiqa (2017) "Investigating Mediating Role of Job Satisfaction between Workplace Discrimination and Intention to Leave in Information Technology Industry of Pakistan", *Transylvanian Review*, Vol XXV, No. 20. [Impact Factor 0.045 Enlisted in JCR 2016 Funded by Punjab University Lahore].
- Dr. Yasin Munir, Dr. Muhammad Mudasar Ghafoor, Amran Md. Rasli, (2017) "Exploring the relationship of horizontal violence, organizational cynicism and turnover intention in the context of social exchange theory", *International Journal of Human Rights in Healthcare*, VOL. 9 NO. 4 2016, pp. 254-266 [Enlisted in Emerald insight and Scopus Indexed].
- Dr. Yasin Munir, Dr. Muhmmad Mudasar Ghafoor and Dr. Amran MD Rasli, (2016), "Horizontal Violence, Organizational Cynicism, Turnover Intention, Social Exchange Theory: A two wave Longitudinal Study" *Social Indicator Research*, (upcoming), JCR Thomson Reuter, Impact Factor 1.40, (Recognized by HEC). Netherlands.
- Dr. Yasin Munir, Dr. Muhmmad Mudasar Ghafoor and Dr. Amran MD Rasli, (2016), "Exploring the Relationship between the Perception of Ethical Climate, Organizational Cynicism and Turnover Intention: A Two Wave Longitudinal Study" *Journal of Business Ethics*, (upcoming), JCR Thomson Reuter, Impact Factor 1.33, (Recognized by HEC). Netherlands.
- **Conferences, Seminars and Workshops, etc.**
 - Dr. Muhammad Mudasar Ghafoor (2016), Invited as oral presenter in 101st International Conference on Science, Technology and Management (ICSTM), that will be held on 17th and 18th November 2016 at Jeddah, Saudi Arabia.
 - Dr. Muhammad Mudasar Ghafoor (2016), Invited as oral presenter and Session Chair in 2nd Asian International Conference that will be held on 17th and 18th December 2016 at University Teknologi Malaysia, Kuala Lumpur Malaysia.
 - Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Haroon Iqbal, Adeel Nasir (2017). Impact of Pakistan's performance in international cricket on Pakistan stock exchange (PXE), *Transylvanian review*, Vol XXV, No. 18 [IF. 0.030, Enlisted in JCR 2016-17, ISI Indexed Journal]



- Haroon Iqbal, Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Adeel Nasir (2017). Good Day Sunshine: Stock Returns and Weather; Evidence from Pakistan Stock Exchange (PSE), *Transylvanian Review*, Vol XXV, No. 18. [IF. 0.030, Enlisted in JCR 2016-17, ISI Indexed Journal]
- Dr. Abdul Haque, Adeel Nasir, Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Haroon Iqbal Systematic and Idiosyncratic Risk and Return Administration using Quintile Regression; A Case of Pakistani Banking Sector. Accepted for publication in *Transylvanian review* [IF. 0.030, Enlisted in JCR 2016-17, ISI Indexed Journal]
- Tabassum Riaz, Khadija Akbar, Khadija Umer (2017). "Social Entrepreneurship and Al-Jalal Welfare Trust (A case from Pakistan)". *International Journal of Economics, Commerce and Management*. (Accepted for Vol 5, issue 4 releasing In April, 2017).
- Muhammad Nadim, Muhammad Shahzad Chaudhry, Masood Nawaz Kalyar, Tabassum Riaz. "Effects of Motivational Factors on Teachers' Job Satisfaction: A Study on Public Sector Degree Colleges of Punjab, Pakistan" *Journal of commerce*, Vol. 4, No. 4, pp. 26-32.

Published Articles

National

- Abdul Haque, Adeel Nasir (2016) Systematic, Idiosyncratic Risk Analysis of Banking and Insurance Sector of Pakistan, *Absyn Jornal of Social Sciences*, 9(2), 442-453 [X-category].

International

- Adeel Nasir, Umar Farooq (2017) Analysis of Value at Risk of Sukuk and Conventional Bonds in Pakistan, *Journal of Islamic Accounting and Business Research*, *ESCI*, *Web of Science*, *Thomson Routers* 9(4), accepted for publication
- Dr. Abdul Haque, Adeel Nasir, Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Haroon Iqbal, (2017) Systematic and Idiosyncratic Risk and Return Administration using Quintile Regression; A Case of Pakistani Banking Sector. *Transylvanian Review* [ISI Impact factor: 0.030], accepted for publication
- Haroon Iqbal, Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Adeel Nasir (2017). Good Day Sunshine: Stock Returns and Weather; Evidence from Pakistan Stock Exchange (PSE), *Transylvanian Review*, 25(18) [IF. 0.030]
- Tabassum Riaz, Dr. Muhammad Mudasar Ghafoor, Haroon Iqbal, Adeel Nasir (2017). Impact of Pakistan's performance in international cricket on Pakistan stock exchange (PXE), *Transylvanian review*, 25(18) [IF. 0.030].

Conference Presentations

Adeel Nasir (2017), "Stock Market Efficiency and Spillover Effect of Panama Leaks", 1st International Conference on Emerging Issues in Management Sciences, Lahore College of Women University, Lahore



Chapter

3

QUALITY ASSURANCE

- *Impact of Quality Assurance in the University*
- *Quality Enhancement Cell*
- *Membership of Associations/ Networks*
- *Accreditation of Programmes from Relevant Councils*

**CHAPTER**
3**Quality Assurance****Quality Enhancement Cell**

Department: Quality Enhancement Cell

Telephone (s): +92-42-99232034

E-mail Address (s): director.qec@pu.edu.pk, omer.qec@pu.edu.pk ,zain.qec@pu.edu.pk

In recent years it has become an obligation that institutions of higher education demonstrate the effectiveness of their academic programs in providing high quality education that positively impacts students. Furthermore, most accrediting bodies and others concerned with quality assurance are requesting that institutions assess students learning outcomes as a means of improving academic programs. This has led the HEC to develop methods for assessing the quality of academic programs.

Assessment is a systematic process of gathering, reviewing and using important quantitative and qualitative data and information from multiple and diverse sources about educational programs, for the purpose of improving student learning, and evaluating whether academic and learning standards are being met. The process culminates when assessment results are used to improve students learning. The elements of a successful assessment program include:-

- Purpose identification
- Outcomes identification
- Measurements and evaluation design
- Data collection
- Analysis and evaluation
- Decision-making regarding actions to be taken

Functioning of Quality Enhancement Cell at University of the Punjab

As per directions of HEC, Quality Enhancement Cell was established at University of the Punjab in 2006. QEC houses in its own building constructed at the 1st floor of ICET. The present structure of Quality Enhancement Cell at University of the Punjab is given as below:



Structure of Quality Enhancement Cell at University of the Punjab



There are number of ways by which educational institutions are improving the quality of education. Self-assessment is one of them.

Self-Assessment

Self-assessment is an important tool for quality assurance and provides feedback for the management to initiate action plans for improvement and the same has been adopted at University of the Punjab. The data is collected by using self-assessment manual for the purpose of self-assessment of a particular academic program. Quality Enhancement Cell at Punjab University is continuously striving for implementation of SAM at departmental level. The salient features of self-assessment are as under:-

- It helps in maintaining and continuous enhancement of performance.
- Enhance effectiveness of the output.
- Verify that the existing activities meet their objectives and institutional goals.
- Provide feedback for quality assurance to the management.

Self-Assessment Procedure:

Each academic program undergoes a self-assessment every year (assessment cycle). QEC is responsible for planning, coordinating and following up on the self-assessment activities. The steps of the procedure for self-assessment are as under:-

- QEC initiates self-assessment exercise through the notification issued by the Vice Chancellor's office.
- Department constitutes its Program team, who is responsible for preparing and generating Self-Assessment Report (SAR).
- QEC reviews the final SAR in one month to ensure that it is prepared in line with the required format.



- If SAR prepared by the department is declared completed in every respect by QEC; it moves to next step, otherwise, it is sent back to the department (step 2).
- Vice Chancellor forms Assessment Team (AT) in consultation with QEC.
- QEC plans and fixes AT visits.
- AT conducts assessment and presents its findings to QEC.
- QEC submits the Executive Summary along with AT findings to the Vice Chancellor, HEC & HOD of that particular department.
- Department shall prepare and submit an implementation plan to QEC based on AT findings.
- QEC is also responsible for follow-up of corrective measures by different departments.

Components of Self-Assessment Process

Criteria 1: Programme Mission Statements, Objectives and Outcomes

Criteria 2: Curriculum Design and Organization

Criteria 3: Laboratories and Computing Facilities

Criteria 4: Student Support and Advising

Criteria 5: Process Control

Criteria 6: Faculty

Criteria 7: Institutional Facilities

Criteria 8: Institutional Support

○ **Impact of Quality Assurance in the University**

Quality Enhancement Cells were established in universities to have a focused attention on quality assurance aspect of Higher Education and to monitor the ongoing quality move in the University. The impact of quality assurance and the changes which it has brought in the University are outlined below:-

- Created the awareness about self-assessment, its procedures and implementation at departmental level.
- Streamlined the development of curriculum for different programs.
- Development of module files of Bachelors, Masters, M.Phil and PhD. degree programs.
- Lesson plan and course material files are being maintained and distributed among students.
- Streamlined the educational processes i.e. admission, registration and guidance to students etc.
- Focused on improving and maintaining the highest Academic Standards.
- Prepare the departments for their Accreditation by Councils and other such bodies.



- Helped to improve students' learning through student feedback (high standards of oral and written communication skills), alumni & employer surveys and changes, if required, in curricula (improvements to achieve academic excellence)
- Identified the weaknesses about teaching & research through faculty survey.
- It is agreed by all the stakeholders in higher education that Self-Assessment Manual (SAM) is a great opportunity to enhance the level of education.

The interest in Quality Assurance & SAM completion can be increased among different departments, firstly by clarifying the SAM and by increasing awareness; secondly: SAM is not a survey form but a complete course in management system. However, the implementation of quality Assurance and SAM can only be effectively implemented in letter and spirit by the commitment of Directors and Deans of all the faculties. QEC is contributing in creating awareness by providing training in cluster of program teams.

World Quality Day

World Quality Day is a trademark event of University of the Punjab which is celebrated every year. Deans of various faculties, HOD's of different departments, faculty members, students and QEC's from other national institutes in huge numbers participate in the event.

Latest Status of QEC at University of the Punjab

Below is the latest status of performance of Quality Enhancement Cell:

• Total number of departments	73
• No. of departments whose PTs formation has been completed	71
• No. of SARs submitted	47
• No. of ATs formed	39
• No. of ATs visits to different departments	39
• No. of submission of AT reports	30
• No. of Exit meeting of AT with the Dean & PTMs	38
• No. of audits completed of different departments	38
• No. of submission of Implementation plans to VC	37
• No. of second cycle of assessment started	02

Quality Enhancement Cell is following up the implementation plans along with continuously pursuing the rest of departments to prepare their SARs. As self-assessment is a continuous process once any department completes its one cycle of assessment, it is asked to prepare the self-assessment report for the next cycle.

Achievements during the Last Year

A. Implementation Status of QA Mechanism



(a) Awareness seminars/ conferences/ workshops arranged at university on quality assurance

Sr #	Title of the event	Target Group	Purpose of the event
1	Minutes of the Meeting with Curriculum Review Committee	Faculty of Pharmacy	To review the curriculum
2	Minutes of the Meeting with Curriculum Review Committee	Faculty of Arts and Humanities	To review the curriculum
3	Minutes of the Meeting with Curriculum Review Committee	Faculty of Commerce	To review the curriculum
4	Minutes of the Meeting with Curriculum Review Committee	Faculty of Law	To review the curriculum
5	Minutes of the Meeting with Curriculum Review Committee	Faculty of Oriental Learning	To review the curriculum
6	Minutes of the Meeting with Curriculum Review Committee	Faculty of Science	To review the curriculum
7	Minutes of the Meeting with Curriculum Review Committee	Faculty of Economics and Management Sciences	To review the curriculum
8	Minutes of the Meeting with Curriculum Review Committee	Faculty of Behavioral and Social Sciences	To review the curriculum
9	Minutes of the Meeting with Curriculum Review Committee	Faculty of Islamic Studies	To review the curriculum

b. Self-Assessment Exercise

Self-assessment reports of the following departments have been submitted to QEC in the reporting year:

S. No	Departments undertaking SA exercise	PTs formed (attach list of names)	Program Team Report completed			QEC Review of the Program Teams Report		
			No. of Criteria covered (out of 8)	No. of Standards covered (out of 31)	No. & Type of Surveys completed (out of 10)	Date of submission of the report by the PT	Report is returned to PT and further submission by PT (Specify Dates)	Report finalized (Date)
01	Centre of Excellence in Solid State Physics	Prof. Dr. Shahzad Naseem Dr. Saira Riaz Dr. Muhammad Akram Raza	08	31	04	28-10-2016	--	28-10-2016
02	Institute of Chemistry	Prof. Dr. M. Makshoof Athar Dr. Muhammad Imran	08	31	02	31-10-2016	--	31-10-2016



c. Executive summaries and implementation plans of departments.

During the year 2016-17, assessments of the following departments were conducted:-

Sr. No.	Departments undertaking Assessment by ATs	ATs formed (attach list of names)	Date of AT Visit	Date of submission of AT report	Date of AT exit meeting with the Dean, PT & Faculty	Date of submission of executive summary to VC by QEC	Date of submission of I.P to VC
1	Centre of Excellence in Solid State Physics	Prof. Dr. Tahir Jamil Dr. Hafiz Muhammad Rafique Dr. Muhammad Usman Awan Muhammad Omer Yasin Syed Zain-ul-Abdeen Bukhari	02-05-17	02-05-17	02-05-17	16-05-17	16-05-17
2	Institute of Chemistry	Dr. Muhammad Usman Awan Dr. Sania Zahra Malik Dr. Atif Islam Muhammad Omer Yasin Syed Zain-ul-Abdeen Bukhari	19-05-17	19-05-17	19-05-17	25-05-17	25-05-17

B. Empowering the QEC

Workshops/ Trainings/ Meetings attended/ organized by QEC at national/international level for awareness.

Sr. No.	Title of the event	Date	Purpose of the event (Participation/ Contribution)
1	Celebration of World Quality Day at University of the Punjab	8 th February, 2017	World Quality Day was celebrated on 8th February 2017 at University of the Punjab, Lahore. Vice Chancellor

C. QEC website has been developed and following information uploaded on <http://pu.edu.pk/home/qec/qec.html>

S. No	List down the relevant information uploaded
1	Introduction of QEC
2	Vision of QEC
3	Mission of QEC
4	Objectives of QEC
5	Vision of Punjab University
6	Mission of Punjab University
7	Goals of Punjab University
8	Job Description of PT's and AT's
9	Structure of QEC
10	Self-Assessment Manual (SAM)



11	Presentations
12	Minutes of Meeting arranged by QEC
13	Program Team Members of SAM
14	Assessment Team Members
15	Self-Assessment Reports
16	Check lists
17	Audits completed
18	Assessment Team Findings
19	Rubric Forms
20	Implementation Plans
21	Follow Up Actions
22	Survey Forms
23	Memberships
24	News & Events

○ **Membership of Associations / Networks**

Acquired the memberships of following international quality assurance agencies:

- 1- Asia Pacific Quality Network (APQN)
- 2- International Network for Quality Assurance Agencies in Higher Education (INQAAHE)
- 3- Association of Quality Assurance Agencies of the Islamic World (AQAAIW)
- 4- Talloires Network (Tufts University), Washington DC 20036, USA.
- 5- QEC Network

Faculty of Arts & Humanities

DEPARTMENT OF LITERARY HISTORY

The research work has been highly appreciated in journals and newspapers by renowned and prominent literary figures in Pakistan and abroad and the copies are being sold out at a brisk pace.

PAKISTAN STUDY CENTRE

○ **Membership of Associations/ Networks**

Pakistan Vision, the research journal of the Centre has been part of indexing and abstracting services of two international and one national abstracting organizations. These are

- International Political Science Abstracts (IPSA), Paris
- International Bibliography of Social Sciences (IBSS), London
- AsiaNet Pakistan



- **Accreditation of Programmes from relevant councils**

The academic programmes of the Centre have been reviewed and approved by the Academic Committee, Pakistan Study Centre, Board of Faculty of Arts & and the Academic Council of Punjab University and of Board of Studies, University of the Punjab.

Faculty of Behavioral & Social Sciences

INSTITUTE OF COMMUNICATION STUDIES

- **Membership of Associations/Networks**

Institute of Communication Studies, University of the Punjab has membership of PEMRA and Paragon Academy of Performing Arts.

Faculty of Commerce

- **Impact of Quality Assurance in the University**

We aim to ensure Quality Assurance of Academics and Administration in our College. Curriculum is updated from time to time to incorporate recent developments in Insurance and Banking Industry. Prof. Dr. Mubbsher Munawar Khan has introduced the Class Feedback system. Class timings & make up classes are strictly observed. Teachers are motivated for excellent delivery of lectures and related pedagogy. Professionals from Industry are also invited to supplement practical applications.

- **Quality Enhancement Cell**

This Cell exists in the University of the Punjab and they are in a better position to submit reply in respect of 3.3 and 3.4. We keep up dating them in respect of our institution.

Faculty of Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

- **Membership of Association/Network:**

- Faculty members are associated with various international associations such as CILIP, ASIS&T and American Library Association (ALA).

INSTITUTE OF BUSINESS ADMINISTRATION

- **Membership of Associations/ Networks**

IBA is a member of the Association of Management Development Institutions in South Asia (AMDISA), Hyderabad, India.



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **Accreditation of programmes from relevant councils**

The Masters programme is for accreditation.

Faculty of Engineering & Technology

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

- **Memberships of Associations /Networks:**
PEC Professional Members = 15
- **Accreditation of programmes from relevant councils:**
By Pakistan Engineering Council

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Impact of Quality Assurance in the University**
Teacher's and course evaluations are conducted on regular basis. Teachers have started circulating course outlines and completing courses in semester. Self Assessment process is working and reports are being generated.
- **Membership of Associations/Networks**
Faculty members as well as students are encouraged to get memberships of various professional organizations like PEC, PIChE and Pakistan Engineering Congress etc.
- **Accreditation of Programs from relevant councils**
The program of B.Sc. (Engg.) Chemical Engineering at the Institute is duly accredited by the Pakistan Engineering council and Higher Education Commission. Moreover, to maintain the quality standards, and to upgrade of the curriculum according to Pakistan Engineering Council and Higher Education Commission's requirements boards of studies and faculty meetings are a regular feature.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Memberships of Associations /Networks:**
IEEE Professional Members = 2 ; IEEE General Members = 6
- **Accreditation of programmes from relevant councils:**
By Pakistan Engineering Council



INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

○ **Accreditation of Programmes from relevant councils**

BS Industrial Engineering & Management program of this Institute is accredited by PEC.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Membership of Associations / Networks**

Sr. No.	Name of Association/ Networks/Committee	Name of Faculty Member
1.	Member, HECs' Expert Committee for Evaluation of the Nominations received from different Public and Private Sector Universities for the Civil Awards 2016 (11 th March, 2016).	Prof. Dr. Rukhsana Kausar
2.	Member, British Psychological Society, UK (BPS).	Prof. Dr. Rukhsana Kausar
3.	International Affiliate, American Psychological Association (APA)	Prof. Dr. Rukhsana Kausar
4.	Full Member of the European Health Psychology Society (EHPS)	Prof. Dr. Rukhsana Kausar
5.	Member, International Council of Psychologists (ICP).	Prof. Dr. Rukhsana Kausar
6.	Member, International Association of Applied Psychology (IAAP).	Prof. Dr. Rukhsana Kausar
7.	Member, Asian Psychological Association (APsyA).	Prof. Dr. Rukhsana Kausar
8.	Life Member, Pakistan Psychological Association (PPA).	Prof. Dr. Rukhsana Kausar
9.	Member, International Society of Interpersonal Acceptance and Rejection.	Prof. Dr. Rukhsana Kausar
10.	Member, Research Advisory Committee of National Institute of Psychology, Centre of Excellences, Quaid-e-Azan University, Islamabad, Pakistan.	Prof. Dr. Rukhsana Kausar
11.	Member, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan.	Prof. Dr. Rukhsana Kausar
12.	Chairperson, Psychology Subcommittee, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan, August, 2010 onwards	Prof. Dr. Rukhsana Kausar
13.	Chief Editor, Journal of Behavioural Sciences, Official Publication of Department of Applied Psychology, University of the Punjab, Lahore (2003-2005; 2007 onwards).	Prof. Dr. Rukhsana Kausar



14.	Chief Editor “Psychological Abstracts”, Institute of Applied Psychology.	Prof. Dr. Rukhsana Kausar
15.	Member, Editorial Board, Journal of Social and Clinical Psychology.	Prof. Dr. Rukhsana Kausar
16.	Member, Editorial Board, Pakistan Journal of Professional Psychology.	Prof. Dr. Rukhsana Kausar
17.	Consulting Editor, Science Journal of Business Management, ISSN” 2276-6316, http://www.sjpub.org/sjbm.html	Prof. Dr. Rukhsana Kausar
18.	Consulting Editor, Pakistan Journal of Psychological Research, NIP, Quaid-i-Azam University, Islamabad.	Prof. Dr. Rukhsana Kausar
19.	Consulting Editor, Indian Journal of Psychology and Mental Health.	Prof. Dr. Rukhsana Kausar
20.	Consulting Editor, Journal of Gender and Social Issues, Fatima Jinnah Women University, Rawalpindi.	Prof. Dr. Rukhsana Kausar
21.	Consulting Editor, Frontier Women University, Journal of Social Sciences.	Prof. Dr. Rukhsana Kausar
22.	Consulting Editor, Journal of Indian Academy of Applied Psychology.	Prof. Dr. Rukhsana Kausar
23.	President, Pakistan Association of Clinical Psychologists, Pakistan. (2012-2015).	Dr. Nashi Khan
24.	Chartered Clinical Psychologist, British Psychological Society, UK.	Dr. Nashi Khan
25.	Fellow, Indian Medical Sciences Academy, India.	Dr. Nashi Khan
26.	Ex. General Secretary, M.I.N.D. Organization, Lahore.	Dr. Nashi Khan
27.	Pakistan Association of Clinical Psychologists (PPA), Pakistan.	Dr. Nashi Khan
28.	Life Membership of Pakistan Psychological Association, Pakistan.	Dr. Nashi Khan
29.	Full Member, British Psychological Society, UK.	Dr. Nashi Khan
30.	Member, Register of Chartered Psychologists, UK.	Dr. Nashi Khan
31.	Registered Professional, NFER-Nelson, UK.	Dr. Nashi Khan
32.	Member, Graduate Society, University of London, UK.	Dr. Nashi Khan

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Membership of Associations/Networks**
 - MMG Department is member of AT Waste management.
 - Dr Anjum Nasim Sabri is convenor of biosafety Bio-resource Committee, Punjab University, Lahore.
- **Accreditation of Programmes from relevant councils**
 - Approval of all programmes (BS, MSc, MPhil, Ms Ph.D) from relevant bodies of the PU
 - Accreditation with biology in PPSC



DEPARTMENT OF ZOOLOGY

○ **Membership of Associations/ Networks**

- Prof. Dr. Javed Iqbal Qazi
 - Member, Biotechnology Society NIBGE, Faisalabad.
 - Life Fellow Zoological Society of Pakistan.
 - Life Fellow Biological Society of Pakistan.
 - Life Fellow Pakistan Fisheries Society.
 - Life fellow medical Research Society of Pakistan.
 - Remained member, Advisory Board, Pakistan Journal of Zoology.
 - Member, Editorial Committee, Punjab University Journal of Zoology.
 - Member, Board of Studies in Zoology, University of the Punjab, Lahore.
 - Member, Board of Studies in Microbiology, Hazara University, Mansehra NWFP, Pakistan.
 - Member, Board of Studies in Zoology University of Azad Jammu Kashmir Muzaffarabad.
 - Member, Equivalence Committee, University of the Punjab, Lahore.
 - Member, Departmental Tenure Track Review Committee (DTRC) of the Institute of Agricultural Sciences to evaluate/review the performance of the Faculty members working on TTS according to the relevant statutes.
 - Young Zoologist member Executive council, Zoological Society of Pakistan.
 - Was recommended by the American Biographical Institute, Inc. (ABI) Governing Board of Editors for biographical inclusion in the Seventh Edition of INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP in 1997.
 - Was declared eligible for the LEADING SCIENTIST OF THE WORLD medal by International Biographical Centre, Cambridge, England.
 - Was appointed as member Departmental Purchase Committee for Department of Zoology, University of the Punjab, Lahore, for the year 2006-07.
 - Member equivalence committee University of the Punjab, Lahore. Pakistan. from 14.05.2008 for two years.
 - Member, Mirpur University of Science and Technology (MUST), MIRPUR.
 - Member Disciplinary Committee for resolving cases for unfair means in the examinations of University of the Punjab, Lahore. From 2010 on-ward.
 - Member Academic Council University of the Punjab, Lahore.
 - Member of Inquiry Committee, University of the Punjab, Lahore.
 - Student advisor Department of Zoology, University of the Punjab, Lahore.
 - Co-ordinator Ph.D. In-Service Program. Department of Zoology, University of the Punjab, Lahore.
 - Member of HEC National Curriculum Revision Committee.



- Member of Core Committee to Develop/ Strengthen the Punjab University Industry Linkages.
- Was appointed member of the Advance Studies and Research Board for a period of three years w.e.f. 19.06.2014 by the academic council, University of the Punjab, Lahore. Vide notification No. 2061/P
- Member Departmental Tenure Review Committee (DTRC) of the Centre for Undergraduate Studies vide office order No. D/5272/Est.I dated, 11.09.2014.
- Member Editorial Board Pakistan Journal of Molecular Medicine. The University of Lahore, 1-km defense road, off Raiwind Road Lahore, Pakistan. Volume 01 (1-2), 2014.
- Prof. Dr. Muhammad Naeem Khan
 - Member, Western Division, American Fisheries Society, USA (AFS), 2014.
 - Member, World Aquaculture Society (WAS), 2014.
 - Member, Zoological Society of Pakistan
 - Member, Pakistan Fisheries Society
 - Member, University of Veterinary & Animal Sciences, Lahore Alumni Association
 - Member, Board of Studies, Lahore College for Women, Lahore.
 - Member, Selection Board, Lahore College for Women University, Lahore.
 - Member, Selection Board, University of Veterinary & Animal Sciences, Lahore.
 - Member, Selection Board, University of Sindh, Jamshoro.
 - Member, Selection Board, University of Karachi.
 - Member, Selection Board, BahauddinZakariya University (BZU), Multan.
 - Member, Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore.
 - Member, Working Group, Fisheries Sector, Forest Wildlife & Fisheries Department, Government of Punjab.
- Dr. Zafar Iqbal
 - Member Asian Fisheries Society Malaysia
 - Member British Society for Parasitology
 - Fellow Zoology Society of Pakistan
 - Fellow Fisheries Society of Pakistan
 - Fellow Biology Society of Pakistan
- Dr. Nabila Roohi
 - Life Fellow, Zoological Society of Pakistan.
 - Member, organization for Women in Science for the Developing World (OWSDW) Since 2007-continuing
- Dr. Muhammad Akbar Khan
 - May 05, 2017 (No. D/769/UZ) – Member of Curriculum Review Committee, Zoology department, Punjab University, Lahore.



- Feb. 26, 2016 (No. D/198/R) – Nomination for updating information on PU website for Zoology department, Punjab University, Lahore.
- March 11, 2014 (No. 1084/Acad.) – member, subject/specialization for departmental test instead of GAT subject in Zoology (Paleontology).
- March 20, 2013 – Member National Curriculum Revision Committee in BS Zoology, HEC Islamabad.
- 2009-2012 – Elected member of academic council for Assistant Professor, GC University, Faisalabad.
- Member of the Zoological Society of Pakistan.
- Member of the Fisheries Society of Pakistan.
- Member of the Speers chemical Society, F. C. College, Lahore.
- Member of Adventure Foundation Pakistan.
- March 03, 2016 – Chairman of Disciplinary Committee, Boys Hostel # 14, University of the Punjab, Lahore.
- Oct. 13, 2016 (D/1798/UZ) – Incharge Non-Teaching Staff, Zoology Department, University of the Punjab, Lahore.
- Dec. 15, 2016 – Nomination of Faculty Member for University's 125th Convocation.
- May 25, 2016 (D/999/UZ) – Incharge Lawns/Parking, Zoology Department, University of the Punjab, Lahore.
- April 19, 2016 (D/712/UZ) - Member Departmental Committee for Dengue Eradication/Awareness, Zoology Department, University of the Punjab, Lahore.
- Feb. 18, 2016 (D/295/UZ) – Member of Disciplinary Committee, Zoology Department, University of the Punjab, Lahore.

INSTITUTE OF AGRICULTURAL SCIENCES

○ Membership of Associations/ Networks

- Dr. M. Saleem Haider, Professor & Director
 - Editor In-Chief for Mycopath Journal
 - Member-Editorial Board for Journal of Life Sciences, USA
 - Member-European Federation of Biotechnology
 - Fellow-The Zoological Society of Pakistan
 - Member Pakistan Phytopathological Society
 - Member Myco-Phytopathological Society of Pakistan
 - Member Bioinformatics.org
 - Member-Pakistan Agricultural Research Scientists Association
 - Member world *Cucurbitaceae* Scientists
 - Reviewer: Journal of Microbiology and Antimicrobials
 - Reviewer: Journal of Life Sciences, USA
 - Reviewer: Pakistan Journal of Botany



- Reviewer: Sarhad Journal of Agriculture
- Reviewer: Pakistan Journal of Agricultural Sciences
- Reviewer: African Journal of Biotechnology
- Reviewer: African Journal of Agricultural Sciences
- Dr. Salik Nawaz Khan, Associate Professor
 - Member editorial board of 'Myconews', an official quarterly publication of First Fungal Culture Bank of Pakistan, University of The Punjab, Lahore.
 - Life member of Myco-phytopathological Society of Pakistan (MYCOPS).
 - Lifemember and vice president for Phytopathological society Pakistan
 - Life member Pakistan Botanical Society.
- Dr. Arshad Javaid, Associate Professor
 - Pakistan Botanical Society (Life Member).
 - Pakistan Phytopathological Society (Life Member)
 - Weed Science Society of Pakistan (Life Member) (Vice President Punjab)
 - Asian Allelopathy Society (Life Member)
 - Editor of Mycopath
 - Associate Editor Pakistan Journal of Phytopathology
- Dr. Amna Shoaib, Assistant Professor
 - Phytopathological Society
 - Myco-Phytopathological Society of Pakistan
- Dr. Shazia Shafique, Assistant Professor
 - Life time membership of International society of Applied Life Sciences, Turkey.
 - Life member, Pakistan Phytopathological Society.
 - Member, Myco-Phytopathological Society of Pakistan.
 - Member, Weed Science Society of Pakistan.
- Dr. Rashid Mahmood, Assistant Professor
 - Soil Science Society of Pakistan
- Dr. Muhammad Bilal Chattha, Assistant Professor
 - Pakistan Society of Agronomy (Life Member)
- Dr. Shahbaz Ahmad, Assistant Professor
 - Entomology Society of America (ESA)
 - International Organization of Biological Control (IOBC)
 - National Curriculum revision committee NCRC of Entomology (HEC)
 - Asia-Pacific Chemical, Biological & Environmental Engineering Society
 - International Society of Exposure Science (ISES)
 - International Society of Environmental and Epidemiology (ISEE)
 - Entomological Society of Pakistan (ESP)
 - Young Entomological society (YES)
 - National Academy of Young Scientist (NAYS)
 - Pakistan Scientific and Technological Information Center (PASTIC)



- Dr. Naureen Akhtar, Assistant Professor
 - British Society of General Microbiology (SGM)
 - American Society for Microbiology (ASM)
 - Phytopathological Society of Pakistan (PPS)
 - Myco-phytopathological Society of Pakistan (MYCOPS)
 - Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)
- Dr. Nasir Ahmad, Assistant Professor
 - Member Pakistan Society of Food Scientists and Technologists
 - Member American Society for Microbiology
 - Member Pakistan Society for Microbiology
 - Member Nutritionists Association of Pakistan
- Dr. Muhammad Ali, Assistant Professor
 - Member for Eucarpia (EUROPEAN ASSOCIATION FOR RESEARCH ON PLANT BREEDING) SWITZERLAND.
 - International club, University of Agriculture, Faisalabad.
 - The Art club, University of Agriculture, Faisalabad.
 - Young Entomological Society, University of Agriculture, Faisalabad.
- Dr. Sobiya Shafique, Assistant Professor
 - Life time membership of International society of Applied Life Sciences, Turkey.
 - Life member, Pakistan Phytopathological Society.
 - Member, Myco-Phytopathological Society of Pakistan.
 - Member, Weed Science Society of Pakistan.
- Dr. Muhammad Shafiq, Assistant Professor
 - Myco-phytopathological Society of Pakistan (MYCOPS)
 - Member The Molecular Biology Society of Japan
 - Global outreach member American society of Microbiology
 - Member Pakistan Society for Horticultural Sciences
 - Member Board of faculty, Faculty of Agriculture BZU Multan
 - Pakistan Phytopathological Society (Member)
 - The Urban Horticulture Society Lahore Pakistan (Advisor)
- Dr. Zaheer Hussain, Assistant Professor
 - Member Pakistan Veterinary Medical Council
 - Member American Society of Microbiology
 - Member Pakistan Society of Microbiology
 - Member Infectious Diseases Society of Pakistan
 - Member Global Alliance for Rabies
 - Member Middle East Society of Molecular Biologists.



- Mr. Nadeem Shad
 - Member- Board of faculty of life sciences, University of the Punjab, Lahore
 - Life Member Paksiatan Phytopathological Society
 - Life member Pakisatn Nematological Society
 - Member Myco-Phytopathological Society of Pakistan
- Ms. Qurrat Ul Ain Farooq, Lecturer
 - The American Society for Horticultural Sciences (Member)
 - International Society for Horticultural Sciences(Member)
- Dr. Waheed Anwar
 - Member editorial board of 'Myconews', an official quarterly publication of First Fungal Culture Bank of Pakistan, University of The Punjab, Lahore.
 - Member of Myco-phytopathological Society of Pakistan (MYCOPS).
 - Member of Phytopathological society Pakistan
 - Reviewer of Journal of Plant Disease
 - Reviewer of Turkish Journal of Entomology
 - Reviewer of African Journal of Microbiology Research
 - Reviewer of African Journal of Agricultural Research
 - Reviewer of journal of Microbial Ecology, Springer-Verlag New York Inc
 - Reviewer of Pakistan Journal of Phytopathology
 - Assistant Superintendent, Boys Hostel No. 17 since February, 2011
 - Member of Placement Bureau, Institute of Agricultural Sciences, University of the Punjab, Lahore.

INSTITUTE OF APPLIED PSYCHOLOGY

○ Membership of Associations/ Networks

Sr. No.	Name of Association/ Networks/Committee	Name of Faculty Member
1.	Member, Government of the Punjab, Higher Education Department Committee to Short List the applicants as per criteria for the appointment of Chairmen, Board of Intermediate & Secondary Education (BISEs) in Punjab (Notification No.SO (BOARDS)1-10/2016-P dated 18 th August, 2017).	Prof. Dr. Rukhsana Kausar
2.	Member, Review Committee of M.Phil/MS & Ph.D Programs, Quality Assurance Agency, Higher Education Commission, Pakistan (August, 2017).	Prof. Dr. Rukhsana Kausar
3.	Member, British Psychological Society, UK (BPS).	Prof. Dr. Rukhsana Kausar
4.	International Affiliate, American Psychological Association (APA).	Prof. Dr. Rukhsana Kausar
5.	Full Member, European Health Psychology Society (EHPS).	Prof. Dr. Rukhsana Kausar



6.	Member International Council of Psychologists (ICP).	Prof. Dr. Rukhsana Kausar
7.	Member, International Association of Applied Psychology (IAAP).	Prof. Dr. Rukhsana Kausar
8.	Member, Asian Psychological Association (APsyA).	Prof. Dr. Rukhsana Kausar
9.	Life Member, Pakistan Psychological Association (PPA).	Prof. Dr. Rukhsana Kausar
10.	Member, International Society of Interpersonal Acceptance and Rejection.	Prof. Dr. Rukhsana Kausar
11.	Member, Research Advisory Committee of National Institute of Psychology, Centre of Excellences, Quaid-e-Azan University, Islamabad, Pakistan.	Prof. Dr. Rukhsana Kausar
12.	Member, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan.	Prof. Dr. Rukhsana Kausar
13.	Chairperson, Psychology Subcommittee, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan.	Prof. Dr. Rukhsana Kausar
14.	Chief Editor, Journal of Behavioural Sciences, Official Publication of Department of Applied Psychology, University of the Punjab, Lahore (2003-2005; 2007 onwards).	Prof. Dr. Rukhsana Kausar
15.	Chief Editor, "Psychological Abstracts", Institute of Applied Psychology.	Prof. Dr. Rukhsana Kausar
16.	Member, Editorial Board, Journal of Social and Clinical Psychology.	Prof. Dr. Rukhsana Kausar
17.	Member, Editorial Board, Pakistan Journal of Professional Psychology.	Prof. Dr. Rukhsana Kausar
18.	Consulting Editor, Science Journal of Business Management, ISSN" 2276-6316, http://www.sjpub.org/sjbm.html	Prof. Dr. Rukhsana Kausar
19.	Consulting Editor, Pakistan Journal of Psychological Research, NIP, Quaid-i-Azam University, Islamabad.	Prof. Dr. Rukhsana Kausar
20.	Consulting Editor, Indian Journal of Psychology and Mental Health.	Prof. Dr. Rukhsana Kausar
21.	Consulting Editor, Journal of Gender and Social Issues, Fatima Jinnah Women University, Rawalpindi.	Prof. Dr. Rukhsana Kausar
22.	Consulting Editor, Frontier Women University, Journal of Social Sciences.	Prof. Dr. Rukhsana Kausar
23.	Consulting Editor, Journal of Indian Academy of Applied Psychology.	Prof. Dr. Rukhsana Kausar
24.	Fellowship of International Medical Sciences Academy (IMSA)	Prof. Dr. Farah Malik
25.	Regional Representative for South Asia, Society for Interpersonal Acceptance-Rejection, USA.	Prof. Dr. Farah Malik
26.	Associate Editor, Journal of Behavioral Sciences, IAP, PU, Lahore.	Prof. Dr. Farah Malik



27.	Vice President, Society for Advancement of Muslim Psychology, Pakistan	Dr. Naumana Amjad
28.	Senior Vice President, Alumni Association of Ravian Psychologists	Dr. Naumana Amjad
29.	Member, International Society for Research on Aggression	Dr. Naumana Amjad
30.	Member, Pakistan Psychological Association	Dr. Naumana Amjad
31.	Member, American Psychological Association , America	Dr. Rafia Rafique
32.	Member, Canadian Psychological Association, Canada.	Dr. Rafia Rafique
33.	Member, Pakistan Psychological Association.	Dr. Rafia Rafique
34.	Member, Pakistan Psychological Association.	Dr. Iram Fatima
35.	Consulting Editor, Pakistan Journal of Professional Psychology, research and practice published by Centre of Clinical Psychology, University of the Punjab	Dr. Iram Fatima
36.	Consulting Editor International Journal of Culture and Mental Health	Dr. Iram Fatima
37.	Associate Editor Journal of Behavioral Sciences published by Institute of Applied Psychology, University of the Punjab	Dr. Iram Fatima
38.	Member, Pakistan Psychological Association	Dr. Fatima Kamran
39.	Member / Consulting Editor, Pakistan Journal of Professional Psychology Research and Practice	Dr. Fatima Kamran
40.	Consulting Editor, International Journal of Culture and Mental Health	Dr. Fatima Kamran
41.	Associate Editor, Journal of Behavioral Science	Dr. Fatima Kamran
42.	Member, British Psychological Society (BPS)	Dr. Fatima Kamran
43.	Member, Pakistan Association of Clinical Psychologists	Dr. Fatima Kamran
44.	Member, Society for Rehabilitation of Disabled Children, Jail Road Lahore	Dr. Afsheen Masood
45.	Member, Pakistan Psychological Association	Dr. Afsheen Masood
46.	Member, Pakistan Psychological Association.	Ms Afifa Anjum
47.	Member, Lahore HR Forum	Ms Tahira Mubashar
48.	Member of FOCUS GROUP at Packages Pvt. Limited	Ms Tahira Mubashar
49.	Member, National Outreach Program NOP being run by LCCI	Ms Tahira Mubashar
50.	Member, Pakistan Psychological Association	Ms Mujeeba Ashraf
51.	Member, Pakistan Clinical Psychologist Association (PACP)	Ms Mujeeba Ashraf
52.	Member, Fatimid Foundation, Lahore	Ms Shahnaila Tariq
53.	Member, Drug Free Pakistan Foundation, Karachi	Ms Shahnaila Tariq
54.	Member, Pink Ribbon Campaign, Lahore	Ms Shahnaila Tariq
55.	Member, Pakistan Psychological Association	Ms Shahnaila Tariq



○ **Accreditation of Programs from relevant councils**

All Academic Programs and Courses of the Institute of Applied Psychology are accredited from the Statutory Bodies of University of the Punjab and the Higher Education Commission of Pakistan.

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Membership of Associations /Networks**

- American Society for Cell Biology
- International Society for Animal Genetics, USA
- Khwarizmi Science Society, Pakistan
- Pakistan Fisheries Society
- Pakistan Society for the Biochemistry and Molecular Biology.
- Pakistan Entomological Society
- Pakistan Zoological Society

○ **Accreditation of Programmes from relevant councils**

Programs and courses are accredited by statutory bodies of the University.

Faculty of Oriental Learning

DEPARTMENT OF HINDI LANGUAGE

Hindi Department is following the guidelines provided by the HEC and Quality Cell of Punjab University.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Membership of Association/ Networks**

- Dr. Khalida Khan
 - Chairperson, UNESCO
 - CIMR, Country representative of Satoyama Initiative, Tokyo Japan.
 - Member, SAARC Academic Alliance,
 - Member, American Geophysical Union (AGU) Washington DC., USA, 2014
 - Member Geographical Society of America (GSA) Washington DC., USA, 2014
 - Moderator, National Post Doc Association, USA
 - Awarded the UNESCO-SAARC Scroll of Gratitude
 - Life Membership of World Association of Soil and Water Conservation (WASWC), China.
 - Member, Asia Watershed Management Network (ASIAN WATMANET), Kathmandu, Nepal.
 - Member, Asian Studies on the Pacific Coast (ASPAC) University of Victoria, British Columbia
 - Elected Member of the Executive Council of the Chess Federation of Pakistan



- Member of Board of Trustees by the HEAD Foundation, (Kohistan and Gilgit Baltistan Community Foundation)
- Nominated Member, EDULEARN 13 (International Conference on Education and New Learning Technologies, International Scientific Advisory Board, a consultant Body, Barcelona, Spain)
- Member Asian Studies on the Pacific Coast (ASPAC) University of Victoria, British, Columbia.
- Member, Geographical Society (OGSA) Punjab University Lahore
- Member, Working Group on Forest Policy Dialogue, Peshawar,
- External Examiner for the Comprehensive Examination of M. Phil Geomatics Program Session 2012-2014 at the Institute of Geology, University of the Punjab, Lahore
- External Examiner for the Comprehensive Examination of M.Sc. in Geography program, organized by the Bahawdin Zakria University, Multan-Pakistan
- Convener Board of studies Centre for Mountain Conservation and Watershed management- Integrated Mountain Research (CIMR)
- Convener, Advisory Committee, Centre for Integrated Mountain Research, P.U.
- Member of Management Committee for Development works of Sir Syed Campus Khanaspur dated 2006 to up date
- Life time member and as Pakistan Representative for World Association of Soil and Water Conservation (WASWC), USA contributed in a number of tasks
- Member, Task Force Women Development by the Punjab Government,
- Member of Steering and Advisory Committee on Environment By the Punjab Government
- Member of Provincial Steering Committee on Biodiversity Action Plan by the Punjab Government.
- Honorary member number of Govt. and Non- Govt. Organizations
- **Engr. Muhammad Yaseen**
 - Member, Pakistan Engineering Council, Islamabad.
 - Member, Pakistan Engineering Congress, Lahore
 - Member, The Institution of Engineers, Pakistan (IEP)
 - Member, Integrated Water Resource Management – IWRM, Water Network, Zürich Switzerland.
- **Accreditation of programmes from relevant councils**

All academic programs and courses offered by the CIMR are duly accredited from the relevant bodies of the University of the Punjab, Lahore-Pakistan.

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

- **Membership of Associations/ Networks**
 - Prof. Dr. Sajid Rashid Ahmad:
 - Member, Stratigraphic Committee of Pakistan,
 - Member, National Geological Society, Pakistan, Punjab Geological Society, Pakistan



- Dr. Iftikhar Ahmad: IAHS, International Association of Hydrological Sciences. UK Punjab Geological Society
- Dr. Nadia Jamil: Life time Member of Chemical Society of Pakistan and Member of Environmentalist Association.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Membership of Associations / Networks**
 - Faculty Members of College of Statistical and Actuarial Sciences, University of the Punjab, Lahore are members of 'Pakistan Statistical Association'
 - Prof. Dr. Shahid Kamal, Principal & Dean, Faculty of Sciences is the member, American Statistical Association, USA
 - Mr. Muhammad Ahmad, Member, ISOSS-Islamic Countries Society of Statistical Sciences
 - Mr. Ghulam Nabi, Lecturer is the member, Institute of Actuaries, U.K.
 - Mr. Ghulam Nabi, Lecturer is the member, Pakistan Society of Actuaries, Pakistan
 - Mr. Ghulam Nabi, Lecturer is the member, Society of Actuaries, India
- **Accreditation of Programmes from relevant councils**
All academic programs offered by College of Statistical and Actuarial Sciences, University of the Punjab, Lahore are duly accredited from the relevant bodies of Punjab University.

DEPARTMENT OF GEOGRAPHY

- **Membership of Associations/ Networks:**
 - Pakistan Geographical Association
 - International Geographical Union.

DEPARTMENT OF PHYSICS

- **Membership of Associations/ Networks**
Pakistan Institute of Physics(PIP).
Al Khawarizmi Science Society, Pakistan.
- **Accreditation of Programmes from relevant councils**
All academic programs offered by the Department of Physics, University of the Punjab, Lahore, are duly accredited from the relevant bodies of Punjab University.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Accreditation of Programmes from relevant councils**
NCEAC category W (for three years) awarded for the following degree programs:
 - BS Computer Science
 - BS Software Engineering
 - BS Information Technology



Chapter

4

FACULTY DEVELOPMENT

- *Faculty Development Programmes (MS/ PhD Local + Foreign)*
- *Returned Scholars*
- *Present Scholars*
- *Pre-service and in-service Professional Development Programmes*
- *Achievements of Foreign Faculty*



CHAPTER

4

Faculty Development

Faculty of Arts & Humanities

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Present Scholars**
 - Khurshid Alam, Ph. D scholar at the English Department, PU.
 - Ms. Mariam Zia, Ph.D in progress at University of Sussex, UK.
 - Ms. Amna Umer Cheema, Ph.D in progress at University of Leeds, UK.
- **Pre-Service and In-Service Professional Development Programmes**
 - Postgraduate Diploma in English Language Teaching (PGD-ELT)
 - Diploma in Linguistics
 - Spoken English Certificate Course

DEPARTMENT OF PHILOSOPHY

- **Faulty development programmes (MS/ PhD local + foreign)**

Sr. No.	Name of Faculty Member	Programme	Name of University	Foreign/Local
1.	Muhammad Jawwad Assistant Professor	Doing PhD	University of the Punjab, Lahore	Local
2.	Ms Sehreen Far Bukhari Lecturer	Doing PhD	University of Karachi, Karachi	Local
3.	Ms Farzeen Akram	Doing MPhil	University of the Punjab, Lahore	Local
3.	Mr Muhammad Rasheed Arshad Lecturer	Doing PhD	University of Karachi, Karachi	Local

- **Returned Scholars**

One faculty member: Mr Saad Malook has returned from the University of Canterbury Christchurch New Zealand, and he is near to complete his doctoral degree.
- **Present Scholars**

PhD (5 Scholars) MPhil (15 Scholar)

Only three (3) students enrolled in PhD Programme in the Spring Semester Session 2016-17.

Only Five (5) students enrolled in MPhil Program in the Session 2016-17.



PAKISTAN STUDY CENTRE

○ **Achievements of Foreign faculty**

Eminent scholars and academicians are invited to visit the Centre and deliver lectures on significant issues relating to Pakistan on regular basis.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ **Faculty development programmes (M.S/ Ph.D local +foreign)**

As a Resource person, Dr Saleha Nazeer conducted a Workshop on “Paper Setting and Evaluation Strategies – Do’s and Don’ts” under Faculty Orientation Programme 2017, organized by the Institute of Administrative Sciences, Punjab University.

○ **Pre-service and in-service professional development programmes**

- Ms. Sabrina A. Rassool participated in “Indigenous faculty development training program” organized by HEC.
- Ms Saira Riaz attended a Workshop at Alliance Francaise de Lahore on “Teaching French language through Activities”
- Ms. Saira Riaz also attended a Workshop on “Teaching French language through Literature” at Alliance Francaise de Lahore.
- Dr Saleha Nazeer organized a one day “Teachers’ Training workshop”. As Resource Person, she imparted knowledge related to different aspects of teaching with special focus on curriculum, learning outcomes, evaluation, designing a question paper to judge the required level of the students and marking scripts. The faculty members for BS (hons) and Master programme actively participated in the workshop.
- Another workshop was conducted by Ms. Maliha Khawaja to train young teachers about Language “Teaching Skills and Assessment of Proficiency of French language” and requirements of international Delf exams.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF POLITICAL SCIENCE

○ **Present Scholars**

- Shabbir Ahmad Khan (Assistant Professor)
- Mr. Muhammad Sajid (Assistant Professor)

DEPARTMENT OF SOCIAL WORK

○ **Faculty Development**

Dr. Raazia Hassan Naqvi has completed her Ph.D. from University of Peshawar.

○ **Present Scholars**

- The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of Peshawar.



Sr. No	Name and Designation	Remarks
1.	Ms. Bushra Naheed, Assistant Professor	Writing Ph.D. Thesis
2.	Ms. Aliya Khalid, Assistant Professor	Writing Ph.D. Thesis

- The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of the Punjab, Lahore.

Sr. No	Name and Designation	Remarks
1.	Ms. Sonia Omer, Assistant Professor	Writing Ph.D. Thesis
2.	Mr. Muhammad Arshad, Assistant Professor	Writing Ph.D. Thesis

- The following faculty member is enrolled in Ph.D. Programme in foreign country.

Sr. No	Name and Designation	Country
1.	Ms. Anika Farwar, Lecturer	Australia

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **Present Scholars**

In the current period 40 students were enrolled in local M.Phil program, while 15 scholars were working on their PhD dissertations.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

○ **Faculty Development Programs (MS / Ph.D Local + Foreign)**

Our two lecturers Mr. Ahmed Muneeb Mehta and Mr. Zargham Ullah Khan have proceeded to Turkey to pursue their Ph.D. One Assistant Professor Mr. Iftikhar Ahmed and two lecturers Mr. Asad Ejaz Sheikh and Mrs. Sadia Ahmed have been enrolled for Ph.D at Malaysia. Two Faculty Members Mrs. Farah Naz Naqvi, Assistant Professor and Mrs. Fizza Rizvi, Lecturer are enrolled in Ph.D Program at local institution. Mrs. Rubina Bashir, Lecturer has proceeded to Sri Lanka for Ph.D.

○ **Returned Scholars**

As soon as our faculty members complete their Ph.D from Malaysia/Turkey. They will return to Pakistan.

○ **Present Scholars**

- Six (06) Scholars are Pursuing Ph.D abroad.
- Two (02) Scholars are pursuing Ph.D locally.

○ **Pre-Service and In-Service Professional Development Programs**

All members of the faculty have completed Faculty Development Program at University of the Punjab.



HAILEY COLLEGE OF COMMERCE

- **Faculty Development Programme**
Our faculty members are enrolled in M.Phil and Ph.D programs at different local universities
- **Present Scholars 06**

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Faculty Development programs** (PhD local + foreign)
 - Mr. Abid Raza Khan and Ms. Fareena Noor Malhi are on study leave to pursue Ph.D. degree in foreign countries.
 - Mr. Atif Khan Jadoon and Mrs. Maria Faiq Javaid are enrolled in Ph.D Program at the Department of Economics. Presently, they are working on their dissertation.
 - Ms. Ambreen Sarwar (lecturer on Contract) also enrolled in Ph.D. program.
- **Present Scholars**
 - Mr. Atif Khan Jadoon and Ms. Maria Faiq Javaid
- **Pre-service and in-service professional development programs**
 - Lectures on Applied Econometrics by renowned scholars

DEPARTMENT OF INFORMATION MANAGEMENT

- **Faculty development programs** (MS/PhD local + foreign)
Dr. Shafiq Ur Rehman, Dr. Muhammad Rafiq and Dr. Nosheen Fatima Warriach were selected as Associate Professors in the department.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Creating Awareness and Enhancing Leadership Skills

Institute of Administrative Sciences is playing a very important role in developing the leaders for the future. Not only it focuses on the academic development of the students, but also provides students with the opportunities that can enhance their Leadership Skills and increase their awareness in other aspects of life. In this regard, the institute arranges numerous seminars and conferences for the students. Some of the important events arranged for this purpose in the year 2015-17 are as follows.

IAS Annual Career Fair, 17th March 2016

Office of Career Advisory & External Linkages at Institute of Administrative Sciences (IAS) conducted "IAS Annual Career Fair" on **March 17th 2016** where thirty-one renowned organizations of national and international level participated in the Career Fair. The event took place at newly constructed Examinations Halls of the institute and was inaugurated by Dean Faculty of Economics & Management Sciences and Director IAS - Prof. Dr. Nasira Jabeen



followed by her visit to stalls along with Faculty members. A total of 31 organizations participated at the fair. Organizations conducted screening interviews on spot and collected resumes of students and few graduates that visited the fair.

A talk on 'Wheel of Life' by Ms. Meher Sheikh – Human Resource Manager MENA-Pak Region, General Electric 2016

A highly inspirational talk on 'Wheel of Life' was delivered at Institute of Administrative Sciences (IAS) on **March 22nd 2016** by Ms. Meher Sheikh, HR Manager General Electric. Ms. Sheikh shared a Life's Strategic Plan for optimum utilization of one's potential in order to live a highly purposeful life. The concept of Wheel of Life is all about setting our own priorities from myriad of concerns in one's life. The vital concepts of Mapping of Life, Decision Making and Character Reflection were discussed with the audience. She emphasized on the (i) beliefs, (ii) priorities and (iii) actions that we take to practice our values as an integral part of creating equilibrium in our lives.

IAS National Conference 2016

2016 marked a new milestone in the history and achievements of IAS as it hosted its first National conference on "Emerging trends in Governance and Management in Pakistan" on 20-21st May 2016 at Crystal Hall, Pearl Continental Hotel. The conference boasted of prominent Keynote speakers namely:

- Dr. Ishrat Hussain, Professor Emeritus, IBA Karachi
- Prof. Dr. M. Nizamuddin, Chairman Punjab Higher Education Commission
- Dr. Nadeem ul Haq, Former Deputy Chairman, Planning Commission
- Prof. Dr. Mehtab Kareem, Research Professor, School of Public Policy, George Mason University, USA
- Prof. Dr. Zafar Iqbal Jadoon, Professor, UCP Business School, University of Central Punjab
- Dr. Syed Tahir Hijazi, Member (Governance & Reforms), Planning Commission
- Dr. Muhammad Amjad Saqib, Executive Director, Akhuwat Foundation

The conference was spread over three days with parallel sessions and panel discussions. The primary objective of the conference was to bring together academics, professionals, practitioners and students to promote knowledge transfer, take stock of the emerging trends in the fields of governance and management in Pakistan. It provided a platform to those actively engaged in research and practice in the field, to share their research findings and contribute to theoretical development of the discipline in light of the contextual realities of developing countries. The conference not only provided a forum to researchers to share their research findings but also to act as a networking tool that may result in mutually beneficial research collaborations.

Around 120 papers were received for presentation of which only 42 papers were accepted and presented after peer review from all across Pakistan. Submissions from all the relevant areas which aligned with the overall theme were received namely,



- Human Resource Management
- Governance (e.g. network governance, university governance, corporate governance, local/national/global governance, institutional governance, gender & governance, e-governance)
- Public Policy & Implementation
- International Development
- Third Sector Management
- Marketing in public, private and non-profit organisations
- Public Service Motivation, Trust & Leadership
- Corporate Social Responsibility
- Public sector reform (e.g., education, health services, taxation, local government and energy sector reforms etc).

Representation of academicians from all over Pakistan was one of the hallmarks of the conference. The conference led to the following outcomes:

- Provided an opportunity to postgraduate research students to present their research and get feedback at the PhD Colloquium
- Aided knowledge transfers among academia, professionals, practitioners and industry leading to collaborations that are underway.
- Provided an opportunity to academics and research students to promote indigenous research and helped us in promoting research culture in social sciences
- An indigenous body of knowledge in the fields of governance and management grounded in the contextual realities of Pakistan evolved.

The conference precluded a full-day colloquium for PhD Students in the field of management to share and discuss their thesis ideas and preliminary research. The colloquium was limited to 35 students, who submitted their work earlier to be reviewed by several senior faculty members. It provided the doctoral researchers with an exciting opportunity to present their work-in-progress, and receive feedback from peers, and distinguished academicians, as well as to network with other PhD scholars. The mentors that were part of the colloquium were leading academicians in their relevant fields and active researchers.

Women Leadership Program (WLP) 2016

Institute of Administrative sciences in collaboration with Career Buzz – a career development forum, organized a four day Conference, “Women Leadership Program 2016” from **22nd – 25th September, 2016**. This program was conducted to enable women to build life skills and influence on multiple fronts and create a personalized plan to build their career like never before. The conference featured women participants from academics, corporate, fashion, arts and culture. The whole event was focused on these various aspects including Women Leadership, Entrepreneurship, Personal Branding, Positive Thinking, Communication Skills, Teamwork and Followership, Diversity and Interpersonal Skills Development.

**Memorandum Of Understanding Between Stylo Pvt. Ltd. & Institute Of Administrative Sciences, University Of The Punjab, Lahore 2016**

The Memorandum of Understanding (MOU) signing Ceremony between the Institute of Administrative Sciences (IAS) and HR Legends was held on 8th November, 2017. HR Legends is a forum for recognizing the human potential, motivating, developing them for growth and learning. The MOU shall assist IAS and HR Legends in arrangements of seminars, academia events, trainings, knowledge sharing meet ups and discussion sessions for alumni, current students, faculty & professionals.

MOU signing ceremony took place between Institute of Administrative Sciences and Stylo Pvt. Ltd at Stylo Head Office on 29th November 2016. This understanding is made on the following areas:

- Internships and job placement opportunities for IAS students
- Professional development of students
- Industry visits of Stylo Pvt. Ltd. by IAS students
- Trainings at IAS by Stylo Pvt. Ltd. Professionals
- Sponsorships and mutual support at various institutional events
- Research Projects & Case Studies
- Scholarships for IAS students. Participation of IAS students at extra-curricular events organized by Stylo Pvt. Ltd

A talk on Gender Based Violence and Human rights 2016

An informative and sensitizing panel discussion was organized at Institute of Administrative Sciences in collaboration with Global Youth Clan. The agenda under discussion was gender based violence against women and was conducted in connection with the international day for the elimination of violence against women i.e. 25th November and Human Rights Day i.e. on 10th December. It is a 16 days of activism campaign to emphasize links between ending gender based violence and human rights. Panelists included Mr. Bilal Ahmad - director operations FAIDA Foundation, Mr. Raheel Sharoon - Head peace building department at Diocese of Raiwind, Church of Pakistan, Ms. Laraib Abid – a social activist, Ms. Fajar Ajmal – a social activist and declared as one of the top thirteen geniuses of Pakistan. Panel was moderated by Ms. Khadija Siddiqui – a victim and survivor of violent attack. Ms. Laraib Abid briefed in her talk about gender and how it is perceived by generic society as a biological aspect.

Nestle Pakistan Industrial Tour – 6th Dec 2016

Students of BS (Hons) Management at Institute of Administrative Sciences (IAS) had an industrial tour of Nestle' Pakistan Sheikhpura Plant on 6th December 2016 with Dr. Shahid A. Zia – adjunct faculty member, Ms. Sameen Zaki – Manager Career Advisory & External Linkages and Ms. Sidra Rashid – Asst. Manager Career Advisory & External Linkages. Before visit of the factory area, chemical engineer, plant manager and quality assurance manager briefed students about



the complete floor plan of the plant along with the major statistics of its production. They were made aware of the hazards at production plant and safety measures to be taken in case of any sort of emergency.

International Lecture Series 2017

Institute of Administrative Sciences (IAS) arranged two lectures under its International Lecture Series by International Professors on their homecoming to IAS namely; Dr. Syed Tariq Anwar who delivered a lecture on 'Marketing Trends, Changing Strategies and Business World on **January 10th 2017** and Dr. Zafar Iqbal Jadoon delivered a lecture on 'Dee Fink's Taxonomy of Significant Learning' on January 12th 2017. The salient points of their sessions are elaborated as under. A significant number of PhD scholars, MPA & MPhil students and Faculty members attended the lectures. Prof. Dr. Nasira Jabeen, Dean Faculty of Economics & Management Sciences and Director Institute of Administrative Sciences (IAS) was very humbled and grateful for the presence of Mrs. Dr. A. R. Chaudhry – Former Dean of Faculty of Arts - PU, to join for the lecture.

Seminar on “Quranic Therapy by Surah Al Rehman”2017

Institute of Administrative Sciences organized a seminar on *Quranic Therapy with Surah Rehman* on **23rd January 2017**. The seminar aimed to develop belief in recognizing oneself and loving oneself and spreading message of positive thinking and playing vital role in character building. The worthy speakers at the seminar included Dr. Kiran Sarfraz -General Surgeon at Services Hospital LHE Trauma Course Instructor American College Of Surgeons, Dr. Syeda Zainiab- Assistant Professor at Continental Medical College, Dr. Saba Zartash- Registrar MICU Ittefaq Hospital Pakistan, Dr. Maryum - Surgeon at Doctors Hospital, Prof. Muhammad Tariq- LUMS, Sadaf Gillani- OD & Change Coordinator TOTAL PARCO

Among Muslims, Surah Al-Rehman is considered as the ultimate spiritual remedy for various diseases and for overcoming anxiety in daily life situations. The speakers conducted Surah Al-Rehman therapy by playing the audio of Surah in voice of Qari Abdul-Basit that is research proven to be most effective. Therapy was carried out with students, staff and faculty that proved to be very influential and towards the end, beneficiaries shared their expressions.

CAEL Team sent for training – March 2017

Two team members of Office of Career Advisory & External Linkages were sent to two-day training organized by Higher Education Commission (HEC) on Development of Effective and Efficient Career Counseling Centers at Public-Sector Higher Education Institutions (HEIs) in Pakistan.

IAS participation at Punjab Economic Forum 2017

Punjab Economic Research Institute (PERI) organized a “Punjab Economic Forum” on **April 3-4, 2017** in collaboration with Planning & Development Department (P&DD) and The Urban Unit, Government of the Punjab: Chief Minister Punjab, Mr. Shahbaz Sharif was the chief guest of the



event. Prof. Dr. Naira Jabeen - Dean Faculty of Economics and Management Sciences (FEMS) and Director Institute of Administrative Sciences (IAS), University of the Punjab, participated at the forum along with 15 students including MPhil/MPA and PhD Scholars from IAS. These students attended the forum as a part of their learning & networking activity which helped them to identify relevant issues for their research.

Training of Custom Officers at Institute of Administrative Sciences 2017

Institute of Administrative Sciences (IAS) is providing facilities for training of officers/officials of Directorate General of Training and Research (Customs, Regional Office Lahore), Federal Board of Revenue (FBR) with effect from **11 April 2017** for a period of two months. There are above 100 participants for this training that are new appointees including evaluation officers, inspectors and Intelligence officers. Ms. Rubina Wasti, Director General of Customs T&R, delivered a talk at inaugural session briefing the officials about the training that shall be beneficial for them for field operations, laws.

An Inspirational Talk by Mr. Qasim Ali Shah 2017

A great motivational and inspirational talk was delivered by Mr. Qasim Ali Shah, a renowned motivational speaker, at Institute of Administrative Sciences (IAS) on **April 12th, 2017**. Mr. Qasim shared a journey of being an ordinary person to the extraordinary person and the attributes of people that contribute towards productivity. He recommended many books for students to read and focused on developing the positive attitude towards all the happenings of life.

IAS Annual Career Fair 2017

The Office of Career Advisory and External Linkages (CAEL) organized **IAS Annual Career Fair** at Institute of Administrative Sciences (IAS) on **April 27th 2017**. IAS has been successfully hosting the career fairs annually, providing students an opportunity to explore various career directions with exciting job opportunities and to get to know the requirements of the industry. This year, **28 leading companies** from multiple industries participated in the fair. It is noteworthy to mention that these companies included few startups of IAS students and graduates.

SITE Entrepreneurship Summit 2017

Students at Institute of Administrative Sciences (IAS) take part in Akhuwat Clothes bank project on annual basis. This year too, BS class of 2017 has collected 35,000 clothes for Akhuwat Foundation. An Entrepreneurship Summit was conducted on **28th April 2017** at IAS under the supervision of Dr. Shahid Zia, Entrepreneurship course instructor. Dr. Amjad Saqib - Executive Director Akhuwat, was the chief guest for the event.

Session on Punjab Police Reforms – 4th May 2017

Mr. Faisal Shahzad – Superintendent of Police – Head Dolphin Police Force, Punjab graced Institute of Administrative Sciences (IAS) on **4th May 2017** for a session on Punjab Police Reforms. The session was arranged for Public Sector Marketing students of undergraduate and graduate program students by Dr. Ali Rehman, faculty member at IAS. To begin with, few videos



of Punjab Police reforms and complaint cell working procedures were shared. The objective of conducting this session was to orient students with change management, perception management and to embrace them with new policies, procedures and reforms in police-citizen interactive relationship.

Faculty Orientation Program 2017

Human Resource Development Center (HRDC) at Institute of Administrative Sciences (IAS) has organized a four day Faculty Orientation Program from **8th -11th May 2017** for 35 newly inducted faculty members from three campuses of University of the Punjab including Gujranwala, Jehlum and Quad-e-Azam campus. The program was started with recitation of verses from Holy Quran followed by Welcome speech by Prof. Dr. Nasira Jabeen – Dean Faculty of Economics & Management Sciences (FEMS) and Director Institute of Administrative Sciences (IAS). Dr. Nasira Jabeen shared in her speech that the faculty orientation program is an annual feature of HRDC, IAS since year 2011. She shared the contents of the program where number of facilitators are engaged for various sessions including curriculum design & development, academic writing, effective teaching techniques and use of digital tools, classroom management with special focus on diversity and inclusiveness, micro teaching sessions and Learning Management system (LMS).

Dr. Taqi Zahid Butt – Dean Faculty of Engineering & Technology and Acting Vice Chancellor graced the occasion with his presence. Dr. Butt shared in his speech the objectives of the program that are to equip the faculty members with necessary knowledge, skills and abilities and also to develop understating of university culture and governance structure. He appreciated Dr. Naisra Jabeen and her team in doing the efforts towards designing and conducting the orientation program. Dr. Khalid Khan – Registrar PU was also present at the opening ceremony. After a detailed introduction of all the participating faculty members, Prof. Jabeen thanked Dr. Taqi Zahid Butt and Dr. Khalid Khan for joining and presented them with bouquet of flowers and IAS souvenirs as a token of respect on behalf of whole team.

Seminar on Human Rights 2017

Seminar on Human Rights was conducted by 8th semester on **May 15, 2017**. A wide spectrum of issues were highlighted, starting from patriarchy to child abuse and further including a panel discussion on how flag bearers of Human Rights deliberately compromise on UN charter.

Industrial Visit to Emirates Supply Chain Services 2017

A group of 60 students along with Mr. Arslan Qaiser (Lecturer) from Institute of Administrative Sciences (IAS), University of the Punjab visited Emirates Supply Chain Services Pvt. Ltd. on **31st July & 1st August, 2017** to have an insight about the way things work in the corporate sector.

**Session on: “Psychometrics at Workplace” by Mr. Manzar Bashir–Occupational Psychologist
3rd August 2017**



Personality & Behaviours are two important traits which become the basis of a person's conduct & success in life. Getting to know one's aptitude and approach towards life determines one's working style that further helps in personal & professional arena and assist in making choices.

A three **days faculty & staff development workshop** was conducted from **1st – 3rd November** at Human Resource Development Center (HRDC) – Institute of Administrative Sciences (IAS) University of the Punjab in collaboration with Pakistan Institute of Entrepreneurship (PIE). The agenda under discussion was to understand entrepreneurship and to manage business incubation centers at university, teach and promote entrepreneurship and to improve the strength of the chain among academia, industry, government and society.

The **Memorandum of Understanding (MoU) signing Ceremony between the Institute of Administrative Sciences (IAS) and HR Legends** was held on **8th November, 2017**. HR Legends is a forum for recognizing the human potential, motivating, developing them for growth and learning. The MoU shall assist IAS and HR Legends in arrangements of seminars, academia events, trainings, knowledge sharing meet ups and discussion sessions for alumni, current students, faculty & professionals. IAS shall facilitate for conducting knowledge sharing meet ups to HR Legends for development of young Leaders, interaction of the students with corporate sector and also to highlight IAS premises to the professional and corporate world. Prof. Dr. Nasira Jabeen, Dean Faculty of Management Sciences & Director IAS and faculty members including Mr. Mubeen Khalid, Ms. Ayesha Hanif, External Linkages team; Ms. Sameen Zaki and Ms. Sidra Rashid were present at the ceremony. Representatives of HR Legends included Mr. Ghulam Mustafa – Founding member HR Legends, Advisory Council and HR Professionals; Mr. Amjad Bhatti, Mr. Sajid Hasan Rana, Mr. Mujeeb Qayyum, Ms. Mudassar and Ms. Amna Dar joined for the ceremony.

After a brief exchange of introduction among the members, Prof. Dr. Nasira Jabeen shared the initiatives IAS has recently taken to enhance its liaison with the industry and appreciated the HR Legends team to become partner towards this journey of growth and learning. The memorandum was then signed by Mr. Ghulam Mustafa and Prof. Dr. Nasira Jabeen. Further plans of action and initiatives including IAS International conference to be held on March 2018 were discussed alongwith refreshments served to all the members.

Seminar On Cancer Prevention through Healthy Lifestyle 2017

A Seminar on 'Cancer Prevention through Healthy Lifestyle' was conducted at IAS PU on **16th November 2017** by students of BS 4th semester. Prof. Dr. Shaharyar, a renowned oncologist Prof. Areesha Zaman - Chief Medical Physicist at INMOL, Dr. Hammad from Cancer Care hospital and Mrs. Sajida Nisar- Incharge Director Institute of Business Administration (IBA) PU, joined as panelists and guest speakers. Prof Shaharyar explained to the audience the development of cancer cells in human body and its destructive effects if not treated in early stage. He shared about the healthy lifestyle that individuals should adopt i.e. to take balanced diet and being physically active in one's daily routine. Myths about cancer development through use of various



materials were also talked upon. Students took keen interest in the talk and asked many relevant questions from the team of doctors.

Winter Fest 2017

Students of IAS have once again proven their talent, potential and unmatched entrepreneurial skills at the Winter Fest 2017 held on **22nd November 2017**. The festival was organized with great hard work and dedication by the graduating students of Marketing of BS Program. The event was arranged as a part of a project of Social Media Marketing course taught by Mr. Asad Awan – a visiting faculty member IAS. Students were required to take up real time projects of goods/services that they can advertise on social media to gain profits and to exercise their marketing skills. For that matter, the students not only approached the already established businesses and took up their social media marketing campaigns but they also developed their own ideas and worked upon them from the scratch. The event included around 50 stalls including the eateries, accessories like shoes, jewelry, garments, bakery products, herbal beauty products, home-made spices, gaming booth and lot more attractions.

Dedication Of IAS Auditoriums In The Name Of Worthy Professors

A ceremony of great honor & significance for the Institute of Administrative Sciences (IAS) was held on **November 23rd 2017** where the legendary services of three of the most worthy professors of the Institute were acknowledged. The ceremony was presided over by Prof. Dr. Nasira Jabeen – Dean Faculty of Economics & Management Sciences (FEMS) & Director Institute of Administrative Sciences (IAS). The event was organized to dedicate three IAS Auditoriums in the names of worthy professors and ex-chairpersons of the Institute namely; Prof. Dr. Muhammad Afzal (late), Prof. Dr. Muneer Ahmad, and Prof. Dr. A.R. Jafri who have rendered their unparalleled services for the development of the institute. Special guests for the ceremony including Mrs. Kausar Jafri, Madam Lubna Afzal – daughter of Prof. Dr. Muhammad Afzal (late), Mr. Muhammad Siddique – faculty member at Civil Services Academy and a close friend of Dr. Muneer Ahmad, Ms. Amna Siddiqui, Mr. Usman Siddiqui, Dr. Muhammad Anwar, and other senior alumni members; Mr. Nawaz ul Haq, Mr. Hasan Baqar, Mr. Tasneem Sanaullah, Mr. Jamil Ahamd Khan, Mr. Nasir Javed Ch. and Mr. Muhammad Ali Khan joined for the ceremony. Faculty members including Mr. Muhammad Zahid, Mr. Mubeen Khalid, Dr. Nighat Ansari, Dr. Yaamina Salman, Dr. Amani Moazzam, Dr. Sidra Irfan, Ms. Aisha Rizwan, Ms. Zahra Paul, and Ms. Iman Saleem also joined. It is imperative to note that Dr. Muhammad Afzal (late) has been the chairperson of IAS from 1964-1972. Dr. Muneer Ahmad has been the chairperson of IAS from 1973-75 & 1978-79 which was then known as Department of Administrative Science. Dr. A. R. Jafri has served the institute as chairperson from 1980-81, 1985-1988 & 1995-1999. It is a matter of great pride for the institute that Dr. A. R. Jafri is still serving the institute as a senior faculty member.



Seerat-un-Nabi Seminar at IAS

In accordance with the month of Rabi-ul-Awal and its significance with respect to the greatest, noble and most respectable personality on earth, Muhammad Mustafa ﷺ, the Institute of Administrative Sciences (IAS) organized a Seerat-un Nabi Seminar on **30th November 2017** (11th Rabi-ul-Awal). As per student engagement drive of the Institute, a team of brilliant students planned the program under the guidance of faculty members; Ms. Umme-Farwah Mubasher and Mr. Zeeshan Hanif. Prof. Dr. Nasira Jabeen – Dean Faculty of Economics and Management Sciences (FEMS) and Director Institute of Administrative Sciences (IAS), faculty members including Dr. A.R. Jafri, Mr. Muhammad Zahid, Dr. Nighat Ansari, Dr. Ali Rehman, Ms. Rabia Nawaz, Ms. Noor Tariq and staff members joined for the seminar. The guest speakers for the session were Prof. Dr. Mazhar Moeen – Former Principal Oriental College PU and Prof. Dr. Khalida Amjad – adjunct faculty member IAS. Seminar was well organized and hosted by students of BS 7th semester – Durdana Sherazi and Shabeena Islam. Mr. Huzaifa-tur-Razzam (BS 3rd semester) was requested for Talawat-e-Quraan. Hamd-o-Sana was presented by Zamin Abbas (BS 5th semester) and Naat-e-Rasool was presented by Kiran Shahzadi (BS 7th semester). After presenting Darood-o-Salam to Muhammad ﷺ, guest speaker for the seminar Prof. Dr. Mazhar Moeen delivered a highly informative talk on the life of Prophet Muhammad ﷺ for the inspiration of youth. In his captivating talk, Prof. Mazhar encapsulated the whole life of Prophet ﷺ from the birth to the time when he left for his final abode. While sharing the historic incidents of Prophet's life, Prof. Dr. Mazhar shared with students and staff, the great lessons of life that we deduce from his kind deeds. Dr. Mazhar Moeen urged to have a separate section of books on Seerat-un-Nabi at IAS Library for students, faculty and staff to read and seek guidance.

Dedication Of IAS Auditoriums In The Name Of Worthy Professors

A ceremony of great honor & significance for the Institute of Administrative Sciences (IAS) was held on November 23rd 2017 where the legendary services of three of the most worthy professors of the Institute were acknowledged. The ceremony was presided over by Prof. Dr. Nasira Jabeen – Dean Faculty of Economics & Management Sciences (FEMS) & Director Institute of Administrative Sciences (IAS). The event was organized to dedicate three IAS Auditoriums in the names of worthy professors and ex-chairpersons of the Institute namely; Prof. Dr. Muhammad Afzal (late), Prof. Dr. Muneer Ahmad, and Prof. Dr. A.R. Jafri who have rendered their unparalleled services for the development of the institute. Special guests for the ceremony including Mrs. Kausar Jafri, Madam Lubna Afzal – daughter of Prof. Dr. Muhammad Afzal (late), Mr. Muhammad Siddique – faculty member at Civil Services Academy and a close friend of Dr. Muneer Ahmad, Ms. Amna Siddiqui, Mr. Usman Siddiqui, Dr. Muhammad Anwar, and other senior alumni members; Mr. Nawaz ul Haq, Mr. Hasan Baqar, Mr. Tasneem Sanaullah, Mr. Jamil Ahamd Khan, Mr. Nasir Javed Ch. and Mr. Muhammad Ali Khan joined for the ceremony. Faculty members including Mr. Muhammad Zahid, Mr. Mubeen Khalid, Dr. Nighat Ansari, Dr. Yaamina Salman, Dr. Amani Moazzam, Dr. Sidra Irfan, Ms. Aisha Rizwan, Ms. Zahra Paul, and Ms. Iman Saleem also joined. It is imperative to note that Dr. Muhammad Afzal (late) has been the



chairperson of IAS from 1964-1972. Dr. Muneer Ahmad has been the chairperson of IAS from 1973-75 & 1978-79 which was then known as Department of Administrative Science. Dr. A. R. Jafri has served the institute as chairperson from 1980-81, 1985-1988 & 1995-1999. It is a matter of great pride for the institute that Dr. A. R. Jafri is still serving the institute as a senior faculty member.

Institute of Administrative Sciences - University of the Punjab Representation at Association of Commonwealth Universities December 2017 Newsletter

A member profile of Prof. Dr. Nasira Jabeen – Dean Faculty of Economics and Management Sciences (FEMS) & Director Institute of Administrative Sciences (IAS), has been featured in December 2017 issue of Association of Commonwealth Universities (ACU) HR in Higher Education Community Newsletter. Prof. Jabeen is the member of ACU since 2016 and has also represented at ACU conferences in previous years. Her member Profile is available online at the following link:

https://www.acu.ac.uk/about-us/blog/member-profile-dr-nasira-jabeen-university-the-punjab-pakistan?utm_source=Communicator&utm_medium=Email&utm_content=Untitled26&utm_campaign=6331744

INSTITUTE OF BUSINESS ADMINISTRATION

○ Present Scholars

- Ms. Labiba Sheikh, Assistant Professor is pursuing her Ph.D from Institute of Administrative Sciences, University of the Punjab, Lahore.
- Mr. Waseem Subhani, Assistant Professor is pursuing his Ph.D from University of Central Punjab, Lahore.
- Ms. Naseem Bukhari, Assistant Professor is pursuing her Ph.D from International Centre for Education in Islamic Finance (INCEIF), Malaysia.
- Mr. Zeshan Ahmer, Lecturer is pursuing his Ph.D from University of Hertfordshire, Hatfield, UK.
- Ms. Wajiha Kazim, Lecturer is pursuing her Ph.D from University of Nottingham, UK.
- Ms. Qudsia Naseer, Lecturer is pursuing her Ph.D from University of Malaya, Kuala Lumpur, Malaysia.
- Mr. Muddassir Latif Rawn, Assistant Professor is pursuing his Ph.D from Superior University, Lahore.
- Ms. Masooma Iftikhar, Lecturer is pursuing her Ph.D from Australian National University, Australia.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

- There are 15 regular full time faculty members working in IBIT (Seven Assistant Professors and Eight Lecturers).
- 9 faculty members are pursuing PhD from abroad and 2 are pursuing from Pakistan.



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

One of the faculty member Dr. Munawar Ahmed Malik Completed his Ph.D. in 2015 from Al-Khair University

INSTITUTE OF EDUCATION & RESEARCH

○ **Present Scholar**

The following faculty member of IER have been awarded scholarship/Secured Admission to pursue their doctoral studies in the different countries of the world. They have won this scholarship through open and intense competition.

Mr. Zia ud Din Bashir, Lecturer of IER have been awarded a Ph.D Scholarship from USAID (training for Pakistan) at Howard University, USA.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

○ **Present Scholars**

03 Professors (One regular; One contract; One visiting)

06 Assistant professors (Three regular; One contract; Two visiting)

01 Lecturer (Contract)

01 Research Officer (Contract)

01 Research Scholars (Contract)

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

○ **Returned Scholars**

Though department has been established in 2004 and started working properly in 2005 but still there is no permanent faculty in the department and whole faculty is on contract. Due to this reason no any faculty member has been sent abroad for Faculty Development Program (FDP) and that is why there is no returned scholars in the department. Therefore no any scholar is on Ph.D regarding faculty development programme.

○ **Present Scholars**

- 03 lecturer serving on contracts basis are enrolled in PhD.

○ **Achievements of Foreign Faculty**

Professor Dr. Tahir Jamil Late was Ex Chairman of the department. He has served as foreign faculty in the department for some time in the beginning. After his death in 2017 Dr. Shahzad Maqsood Khan is working as Incharge of the department under the supervision of Prof. Dr. Muhammad Taqi Zahid Butt (Dean Faculty of Engineering and Technology).



His major achievements are following:

- In 2006 Prof. Dr. Tahir Jamil was given responsibilities to initiate a project for establishment of research group by funding from HEC. This project was a scientific project and was completed in consent of its scientific completions before its time period.
- In 2007 Prof. Dr. Tahir Jamil was awarded with a mega project of “Establishment of Research Laboratories for Polymers Synthesis, Characterization, Rheology and Processing” by HEC. This Project was of worth 38.784 Mill Rs. This project is successfully completed and we have submitted PCIV for that project as well. Four high class research laboratories are established in this project with both facilities of synthesis and characterization.
- Project workings and completion itself indicate the success and workings of Polymer Team and intentions of Prof. Dr. Tahir Jamil for Establishments of Polymer Research Labs. Due to this Prof. Dr. Mujahid Kamran worthy Vice Chancellor University of the Punjab honoured Prof. Dr. Tahir Jamil to command Department of Polymer Engineering & Technology and he was selected to be the Chairman of the department.
- In 2009 in view of continual success and workings of Department of Polymer Engineering & Technology HEC awarded another mega project of 5.785 Mill Rs for “Establishment of Industrial Research labs for Polymer and Material Synthesis”. This Project is still in process. More than 75% of project is completed in terms of establishment. Laboratories are constructed and all the instruments are purchased and installed.
- In addition of the projects Prof. Dr. Tahir Jamil played an active role for launching of the M.Phil Polymer Technology Programme. This is interdisciplinary programme and his vision was to bring people from different subjects of science and engineering to bring at one broad platform to work for polymer and material engineering. Due to his effort third batch of M.Phil Polymer Technology has been launched.
- He is also planning to start Ph.D Polymer Engineering & Technology. The course has been approved from departmental board of studies and case is now submitted in board of faculty
- Pro. Dr. Tahir Jamil also on vision to start B.Sc Polymer Engineering programme
- Recently Prof. Dr. Tahir Jamil submitted two mega projects. One to HEC and one for JICA. These two projects are in vision to cover all ranges of instruments for graduate and undergraduate, masters, and doctorate and post doctorate labs.

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

○ Faculty Development

	M.Sc.	PhD
Local	5	0
Foreign	0	10



- **Returned Scholars:** 3
- **Present Scholars:** 3
- **Professional development programmes:**
Faculty members has attended 10+ seminars/courses

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Faculty Development programs (MS/PhD Local + Foreign)**
Currently four (04) faculty members are pursuing their PhDs. One (01) faculty members are enrolled in the MS. Chemical Engg. from ICET, Punjab University and will finish their degree within one year.
- **Returned Scholars**
One PhD scholars is returned in this year after completing her degree. The scholar was funded by the University of the Punjab.
- **Present Scholars**
Four faculty members are enrolled in PhD studies at different universities in foreign universities, out of which one is getting Faculty development scholarship awarded by Punjab University and other two got their PhD grants from Higher Education Commission and foreign universities.
- **Pre-service and in-service professional development program**
The fresh appointee faculty members are nominated to attend a one-month faculty development program conducted by the University of the Punjab. This year, almost all the faculty members attended "Indigenous On-Campus Training Program for Management Team" which was organized by University of the Punjab, Lahore in collaboration with Higher Education Commission, Islamabad.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Faculty Development**

	M.Sc.	PhD
Local	8	0
Foreign	3	4

- **Present Scholars:** 5
- **Professional development programmes:**
Faculty members has attended 10+ seminars/courses

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Faculty Development Programmes (MS/PhD local + foreign)**
One faculty member of this Institute is working for her PhD degree in reputed, Malaysian University.
- **Present Scholars**
Six faculty members of this Institute are working for their PhD degrees.



Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

- **Present Scholars**
 - Dr. Muhammad Ijaz Director
 - Dr. Muhammad Abdullah Associate Professor
 - Dr. Ishtiaq Ahmad Gondal Associate Professor
 - Dr. Hafiz M. Abdul Qayyum Associate Professor
 - Dr. Hafiz Abdullah Assistant Professor
 - Dr. Hafiz Abdul Basit Khan Assistant Professor
 - Dr. Samina Saadia Assistant Professor

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- **Faculty Development programmes** (MS/Ph.D local + foreign): Yes
- **Returned Scholars (after foreign Ph.D.):** One
- **Present Scholars (local Ph.D.):** 06

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- **Faculty development programmes** (MS/PhD local + foreign)
 - Three Assistant Professors are registered for Ph.Ds
 - 1 faculty members is doing her Ph.D. at the Centre for Clinical Psychology and 2 faculty members are doing their Ph.D. at Department of Applied Psychology, University of the Punjab, Lahore.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Faculty Development Programs** (MS/ PhD Local + Foreign):
Faculty of the Centre is encouraged for higher studies. At present seventeen faculty members are enrolled in Ph.D and two in M.Phil. Faculty members attended the regular courses at the Centre. After completion of course work they are assigned a research program in their relevant field.



○ **Returned Scholars**

Five faculty members completed their M. Phil/Ph.D and joined their duties.

Sr. No	Name
1	Dr. Sameera Hassan

○ **Present Scholars:**

Presently total seventeen faculty members are enrolled in Ph.D and two are enrolled in M.Phil.

Ph.D Faculty Members:

Sr. #	Ph. D.
1	Ms. Aneela Yasmin
2	Mr. Muhammad Tariq
3	Ms. Maira Tayyab Baig
4	Mr. Munim Farooq
5	Ms Saira Azam
6	Ms. Zahida Qamar
7	Ms. Naila Shahid
8	Ms. Fatima Batool
9	Ms. Ayesha Latief
10	Mr. M. Shahid
11	Ms. Saba Tasneem
12	Ms. Abida Shezadi
13	Mr. Tahir Rehman Samiullah
14	Ms. Samra Kausar
15	Ms. Farah Naz
16	Mr. Muhammad Islam Khan
17	Mr. Saad Tahir

M. Phil Faculty Members:

Sr. #	M. Phil
1	Faheem Akram
2	Syed Muhammad Nauman Jillani

○ **Pre-Service and in-Service Professional Development Programmes:**

Faculty members are encouraged to attend different training courses / workshops symposia at national and international level. Detail is given below:

- Dr. Bushra Rashid attended as the Member of the National Curriculum Revision Committee to develop the curriculum of Molecular Biology at HEC regional centre, Lahore. October 28-30, 2015
- Post-Doc Fellowship Awarded to Dr. Abdul Qayyum Rao by Alexander von Humboldt Foundation; Botanische Institute-II, Karlsruhe Institute of Technology (KIT), Germany (1st phase completed)



- IRSIP HEC six months training program awarded to Ms. Naila Shahid at School of Dental Medicine, University of Pennsylvania, USA.
- Post-Doc Scholarship awarded to Dr. Samia Afzal by Universite Joseph Fourier, Institut Albert Bonniot Centre de Recherche INSERM-UJF U82, France.
- IRSIP HEC six months training program awarded to Muhammad Shahid, Department of Gastroenterology, Erasmus Medical College, Netherlands.
- IRSIP HEC six months training program awarded to Zahida Qamar at Department of Cell and Systems Biology, University of Toronto, Canada.
- IRSIP HEC six months training program awarded to Ms Fatima Batool at Faculty of Life Science University of Manchester, UK.
- Dr. Bushra Ijaz attended and Presented in 2nd International Conference on Drug Development- Natural and Synthetic COMSATS Institute of Information technology, Abbottabad, Pakistan. (August 23-25, 2015).
- Dr. Bushra Ijaz attended workshop on Next Generation Data Analysis 3-4th September, 2015 at COMSATS Islamabad
- Dr. Abdul Qayyum Rao delivered a lecture on Paradigm of plant transformation in University of the Central Punjab (UCP) 18 –November 2015.
- Dr. Ahmad Ali Shahid attended International Conference on Sustainable Environment and Agriculture (ICSEA 2015). October, 11-12, 2015, New York, USA
- Dr. Ahmad Ali Shahid attended International Symposium on Advances in Molecular Biology of Plants & Health Sciences, December 29-31, 2015, CEMB, PU, Lahore.
- Dr. Ahmad Ali Shahid attended One day Seminar on “Capacity Enhancement in Biosafety Evaluation of GM Crops and Launching of ISAAA Report on GM Crops”, NIBGE, Faisalabad (May 11, 2015).
- Dr. Muhammad Shafique attended A seminar on Real Time PCR Results for Real Time Patient management held on 28th October 2015 at CAMB PU, Lahore.
- Dr. Muhammad Shafique attended A hands-on training of GeneXpert (Real Time PCR System by Cepheid, USA) held on 28th October 2015 at CAMB PU, Lahore.
- Dr. Muhammad Shafique attended A seminar on application of Real Time PCR for diagnosis of Hepatitis conducted by Chinese delegates on November 12, 2015 at CAMB PU, Lahore.
- Dr. Ahmad Ali Shahid attended 5th International/10th National Conference of Pakistan Phytopathological Society “Crop protection for Sustainable Agriculture” November 23-25, 2015, IAGS, PU Lahore.
- Dr. Nadeem Ahmed attended Ethical challenges in biomedical research” held at university of Punjab 23rd May, 2015.



- Dr Bushra Rashid attended as Member of the National Curriculum Revision Committee to develop the Curriculum of Molecular Biology at HEC regional centre, Lahore, October 28-30, 2015.
- Dr. Ahmad Ali Shahid, Ms Zarnab Ahmad and Mr. Muhammad Bilal Sarwar (Ph.D students) attended workshop on an Introduction to Next Generation Sequencing Platforms and its applications in Agricultural Sciences, held at IAGS, PU. April 14, 2015.
- Dr. Tayyab Husnain, Professor & Acting Director, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore is proceeding to Ankara, Turkey to attend training programme “Mitigating the Devastating Effect of Lepidoptran Insect through Molecular and Conventional Breeding Approaches” scheduled to be held from March 29-31,2016.
- Dr. Tayyab Husnain, Professor, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore is proceeding to Khartoum, Republic of Sudan to attend training program on “Using Molecular Techniques for Cotton Breeding” from October 03-06,2016.
- 5th International Conference on Biological, Chemical & Environmental Sciences (BCES-2016), March 24-25, 2016, London (United Kingdom)
- International Conference on Agriculture, Ecology and Biological Engineering, March 26-27, 2016, London, United Kingdom.
- Ms. Mariam Shahid participated in seminar and hands on training on “Advances in nucleic acid tec A lecture on Phen-Gen: combining phenotypes and genotypes to analyze rare disorders delivered by Dr. Asif Javed, Research Scientist at Genome Institute of Singapore held on 02.11.2016 at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- A Day with Biosafety held on October 25, 2016 at CEMB jointly organized by Gull’s Associates, Congress of Molecular Biology and National Centre of Excellence in Molecular Biology, University of the Punjab Lahore
- A seminar on FPLC with respect to protein purification by Mr. Nicolas Azar (Austrian National) on Friday 3rd June 2016 at Centre for Advanced Molecular Biology, University of the Punjab Lahore.
- Prof. Dr. Kausar Malik Attended the one-day seminar on “Mercury Exposure & Health Risks; Dental Mercury Amalgam use in Pakistan” organized by Environment Science, LCWU, on 14-1-2016.
- Prof. Dr. Kausar Malik Attended the two-day national workshop on “Government-Academia -Industry linkage” at GCU Faisalabad on 25-1-16 & 26-1-2016.
- Prof. Dr. Kausar Malik Attended International conference on climate change & sustainable development organized by UCL, UK, ECO under INSPIRE-Transnational Education partnership Programme at LCWU on 28-1-2016 to 30-1-2016.



- Prof. Dr. Kausar Malik Attended ``2nd International conference on Biotechnology; Challenges and Opportunities in Pakistan`` in University of South Asia as Guest of honor, received shield on 24-2-16, 25-2-16.
- Prof. Dr. Kausar Malik Certificates received in ``Invention to Innovation Summit ``as a participant & invited guest Director ORIC, & received the technology award as Director ORIC on the behalf of IT LCWU, organized by Pakistan Science Foundation University of the Punjab & Institute of Research Promotion, at University of the Punjab Lahore 2-3-2016, 3-3-2016.
- Prof. Dr. Kausar Malik Certificate received as winner in Sport Gala 2016 held at CAMB University of the Punjab Lahore on 7-3-2016 to 9-3-2016.
- Prof. Dr. Kausar Malik Attended and papers presented in `` 3rd International conference on Global environmental Changes held in GCU, Faisalabad on 22-3-16, 23-3-16.
- Prof. Dr. Kausar Malik Attended Inaugural session of ``Project formulation workshop`` as invited guest being Director ORIC, in GCU, Lahore on 30-3-2016, 31-3-2016.
- Prof. Dr. Kausar Malik Certificates received in 2nd national workshop on ``organic food and health; avenues of innovation and entrepreneurship`` as a participant, in UMT on 29-8-2016.
- Prof. Dr. Kausar Malik Chair the session of seminar on ``Congo virus`` seminar in CEMB on -9-2016.
- Prof. Dr. Kausar Malik Chair the session of seminar on ``Breast Cancer Awareness`` in CEMB on 3-10-2016.
- Prof. Dr. Kausar Malik Invited guest in Hands on training on Clinical Diagnostics workshop in CAMB on 21-10-2016.
- Prof. Dr. Kausar Malik Attended the seminar on ``Lungs and bronchial disease`` in CAMB on 17-11-2016.
- Prof. Dr. Kausar Malik Lecture on ``GMO Detection`` in 3rd International conference on Global environmental Changes held in GCU, Faisalabad, Pakistan
- Prof. Dr. Kausar Malik Lecture on ``Human pathogenic E.coli O157 H7; Water & Food contaminant`` in 3rd International conference on Global environmental Changes, in GCU, Faisalabad, Pakistan
- Prof. Dr. Kausar Malik Invited as a key speaker in GCUF in international seminar on ``Recent trends & techniques to evaluate aquatic toxicity`` in GCU, Faisalabad, Pakistan
- Planning of cotton production, land preparation, weed control, pest and disease control and harvesting, December 12-16, 2016, Centre of Excellence in Molecular Biology, Lahore
- A day with Biosafety, October 25, 2016, Centre of Excellence in Molecular Biology, Lahore
- Prof. Dr Idrees Ahmad Nasir Contributed as resource person in the Training course on ``Using Molecular Techniques for Cotton Breeding`` sponsored by SESRIC (OIC-CTP) held on October 04-05, 2016, University of Khartoum, Sudan.



- Prof. Dr Idrees Ahmad Nasir Successfully completed training course on “Publishing Life Science Research Workshop” hosted by the American society for Microbiology at Pullman hotel Bangkok, May 02-04, 2016.
- Prof. Dr Idrees Ahmad Nasir Contributed as resource person in the Training course on “Mitigating the devastating effect of Lepidopteran insect through Molecular and Conventional Approaches” arranged by SESRIC (OIC-CTP) held on March 29-31, 2016, Ankara, Turkey.
- Prof. Dr Idrees Ahmad Nasir Successfully completed training course on “Publishing Life Science Research Workshop” hosted by the American society for Microbiology at Pullman hotel Bangkok, May 02-04, 2016.
- Oral presentation by Dr Azra Mehmood at 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs (14 - 16 December 2016) at PC, Lahore organized by COMSATS, Lahore.
- Oral Presentation on “Stem cell preconditioning for liver cirrhosis” by Ms Maria Tayyab at Conference on Therapeutic Applications of Stem Cells (5th -6th May, 2016 The University of Lahore, Lahore).
- Oral Presentation on “Therapeutic application of stem cells for cartilage damages” by Dr Noreen Latief at Conference on Therapeutic Applications of Stem Cells (5th -6th May, 2016 The University of Lahore, Lahore).
- Oral talk by Dr Noreen Latief on “Human Amniotic Membrane as Scaffold for growth of MSCs derived from different sources” at Biobanking conference (5th -7th January 2016. Lodon, UK).
- Oral Presentation on “Role of stem cells in repair of skin damages” by Dr Azra Mehmood at Conference on Therapeutic Applications of Stem Cells (5th -6th May, 2016, The University of Lahore, Lahore)
- Oral Presentation on “Stem cell preconditioning for liver cirrhosis” by Ms Maria Tayyab at Conference on Therapeutic Applications of Stem Cells (5th -6th May, 2016 The University of Lahore, Lahore).
- Oral Presentation on “Therapeutic application of stem cells for cartilage damages” by Dr Noreen Latief at Conference on Therapeutic Applications of Stem Cells (5th -6th May, 2016 The University of Lahore, Lahore).
- Oral talk by Dr Noreen Latief on “Human Amniotic Membrane as Scaffold for growth of MSCs derived from different sources” at Biobanking conference (5th -7th January 2016. Lodon, UK).
- Dental and on biomaterials summer camp held at COMSATS Lahore attended by Dr Azra Mehmood and Ms Mubashira from 15-19th August, 2016.
- Dr. Tayyab Husnain, Professor & Director, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore has been invited by Plant Genomic Network Research



Team, RIKEN Centre for sustainable Resource Science, Yokohama, Kanagawa, Japan to participate in a two-days international symposium to be held from 27.02.17 to 28.02.17 in Japan.

- Dr. Tayyab Husnain, Professor & Acting Director Centre of Excellence in Molecular Biology, Lahore has been invited to provide training on “Integrated Pest Management and Crop Management” to be held in Kampala, Uganda from 03.05.2017 to 05.05.2017.
- Dr Bushra Rashid attended ELTR-HEC-TELS workshop on “English as a medium of instruction (EMI)”, organized by Department of English, Virtual University of Pakistan Feb 06-10, 2017
- Dr Bushra Rashid was Focal Person in, “International training workshop on Microarray for gene expression”, held at CEMB, Feb. 14-17, 2017
- Dr Bushra Rashid was Focal Person in 2nd International Symposium on Advances of molecular biology in plant and health Sciences 21-23 Nov 2017, held at CEMB, Lahore
- Workshop on Chromatographic Techniques on 30-31 Oct. 2017 at Quality operation Lab., UVAS, Lahore.
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan in University of South Asia & received shield on 24-2-17, 25-2-17
- Prof. Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Attended “Invention to Innovation Summit” as invited guest Ex-Director ORIC organized by Pakistan Science Foundation University of the Punjab & Institute of Research Promotion, at University of the Punjab Lahore -3-2017, -3-2017.
- Prof. Dr. Kausar Malik Certificate of participation received and poster presentation in International conference on Biotechnology; Challenges and Opportunities in Pakistan in Lahore Garrison University Lahore on 11-10-2017, 12-10-2017.
- Prof. Dr. Kausar Malik Invited guest in opening ceremony of 7th international conference on biotechnology and bioengineering in virtual university on 26-10-2017, 27-10-2017.
- Prof. Dr. Kausar Malik Invited keynote speaker “Isolation of DNA Restriction Enzymes through Chromatography” in National Workshop on Chromatographic techniques, in UVAS on 30-31-10-2017.
- Prof. Dr. Kausar Malik Invited keynote speaker “Analysis of genetically modified crops by development of quick lateral flow strip (dipsticks) detection method based on immunochromatography” in “International conference on Solid State Physics” in Centre of Excellence in Solid State Physics, at University of the Punjab Lahore on 10,14-12-2017.
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan in University of South Asia & received shield on 24-2-17, 25-2-17



- Prof. Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Invited keynote speaker ``Isolation of DNA Restriction Enzymes through Chromatography`` in National Workshop on Chromatographic techniques, in UVAS on 30-31-10-2017.
- Prof. Dr. Kausar Malik Invited keynote speaker ``Analysis of genetically modified crops by development of quick lateral flow strip (dipsticks) detection method based on immunochromatography`` in `International conference on Solid State Physics`` in Centre of Excellence in Solid State Physics, at University of the Punjab Lahore on 10,14-12-2017.
- Prof. Dr. Kausar Malik Attended, paper presented & Chair the session of 3rd International conference on Biotechnology; Challenges and Opportunities in Pakistan`` in University of South Asia & received shield on 24-2-17, 25-2-17
- Prof. Dr. Kausar Malik Attended and paper presented in the 37th Pakistan Congress of Zoology, as paper presenter held in GCU, Faisalabad, Pakistan on 28-2-17, 2-3-17
- Prof. Dr. Kausar Malik Attended ``Invention to Innovation Summit ``as invited guest Ex-Director ORIC organized by Pakistan Science Foundation University of the Punjab & Institute of Research Promotion, at University of the Punjab Lahore -3-2017, -3-2017.
- Prof. Dr. Kausar Malik Certificate of participation received and poster presentation in International conference on Biotechnology; Challenges and Opportunities in Pakistan`` in Lahore Garrison University Lahore on 11-10-2017, 12-10-2017.
- Prof. Dr. Kausar Malik Invited guest in opening ceremony of ``7th international conference on biotechnology and bioengineering`` in virtual university on 26-10-2017, 27-10-2017.
- Prof. Dr. Kausar Malik Invited keynote speaker ``Isolation of DNA Restriction Enzymes through Chromatography`` in National Workshop on Chromatographic techniques, in UVAS on 30-31-10-2017.
- Prof. Dr. Kausar Malik Invited keynote speaker ``Analysis of genetically modified crops by development of quick lateral flow strip (dipsticks) detection method based on immunochromatography`` in `International conference on Solid State Physics`` in Centre of Excellence in Solid State Physics, at University of the Punjab Lahore on 10,14-12-2017.
- Dr. Bushra Tabassum has received Certificate of participation for International Conference on “Bioethics: Ethics in Challenging Times”, March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Bushra Tabassum has received Certificate of participation for a 2 days workshop on ‘Patent Filing and Introduction to Intellectual Property System of Pakistan’ on May, 17—18, 2017 held at Punjab University Lahore by Office of Research Innovation & Commercialization (ORIC) in collaboration with IPO-Pakistan.



- Dr. Bushra Tabassum has received certificate of participation for Training on 'Behavioral Based Biosafety Culture', 23 August, 2017 held at CEMB by Gulls Foundation in collaboration with American Society for Microbiology and Health Security partners, Pakistan.
- Dr. Bushra Tabassum has received Certificate for oral presentation on 'A three day workshop on 'Advances in Agricultural Biotechnology & Regulatory Affairs', September 25-27, 2017. FCC Lahore-Pakistan.
- Prof. Dr. Ahmad Ali Shahid attended World congress & Expo on Biotechnology and Bioengineering, March 27-29, 2017, Dubai, UAE
- Prof. Dr. Ahmad Ali Shahid attended International Conference on "Bioethics in Molecular Biology and Biotechnology", July 5-6, 2017, Institute of Biochemistry and Biotechnology, University of Veterinary and animal Sciences, Lahore.
- Dr. Noreen Latied attended 2 days conference on Ethics in challenging time (UHS-March)
- Dr. Bushra Ijaz has received Certificate of participation for International Conference on "Bioethics: Ethics in Challenging Times", March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Noreen Latief has received Certificate of participation for International Conference on "Bioethics: Ethics in Challenging Times", March 20-21, 2017. Held at UHS, Lahore-Pakistan.
- Dr. Bushra Ijaz attended and give oral talk in Asian Pacific Association for the Study of Liver (APSAL) conference to be held from 15.02.17 to 19.02.17 in China.
- Dr. Bushra Ijaz invited as guest speaker and delivered a talk on Cancer Genomics for biomarker Identification at conference on potential Cures of cancer at University of the Lahore

DEPARTMENT OF BOTANY

- **Faculty development programmes (MS/ PhD local + foreign)**
A faculty member Dr. Asma Zulfiqar has returned and joined the department in (2017) after completion of their Post Doc. degree from foreign country under faculty development program.
- **Present Scholars**
 - 108 Scholars were enrolled in MS/M.Phil program in the said period
 - 31 Scholars were enrolled in Ph.D Regular and Old Scheme program

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Faculty development programmes (MS/PhD local+foreign)**
Mr. Muhammad Zeeshan Akbar is doing Ph.D Computer Science from School of Computer, South China Normal University, Guangzhou, China on Fully Funded Chinese Government Scholarship (2017-2020).
- **Returned Scholars**
 - Mr Arsalan Sarwar (PhD Scholar), returned from Spain.



- Ms. Sumaira Anwar completed HEC's 6 months IRSIP fellowship to complete a part of her PhD research at the Department of Plant Biology and Biotechnology, Faculty of Life Sciences, University of Copenhagen, Denmark
- Ms. Sara Junaid completed HEC's 6 months IRSIP fellowship to complete a part of her PhD research at the Department of Chemistry Angstrom –Microbial Chemistry, Uppsala University, Sweden
- Mr. Aatif Amin successfully completed 6 months IRSIP fellowship awarded by HEC to complete a part of his research work on expression, isotop labelling and purification of mercury transport protein from a bacterial mercury detoxification system at the University of California, San Diego. USA
- Mr. Muhammad Abbas, HEC's 6 months IRSIP fellowship to complete a part of his PhD research at the Department of Drugs Discovery, College of Pharmacy, University of Kentucky, USA.
- Muhammad Sarfraz for six month under HEC International Research Support Initiative Program (IRSIP).
- **Present Scholars**
 - Ms. Sehar (PhD Scholar), is in University of Warwick, UK.
- **Pre-service and in-service professional development programmes**

4th In-Service Faculty Training Program at University of the Punjab in collaboration with Learning Innovation Division (LID), HEC, was organized at the Department of Microbiology and Molecular Genetics (MMG), on 21-25, November, 2016.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Faculty development programmes** (MS/ PhD local + foreign)
 - One faculty member completed his PhD in 2016
 - The PhD thesis of one faculty member is submitted for evaluation in examination branch in 2017
 - One faculty member is working on his Ph. D thesis
 - One faculty member is working on her Ph. D Research Proposal.

DEPARTMENT OF ZOOLOGY

- **Faculty development programmes** (MS/ PhD local + foreign):

- **Present Scholars:**

Ph.D Regular Program session 2017-onward

Roll No.	Name of Students	Supervisor
Phd-UZ01F17	Muhammad Tahir Waseem	Dr. Abdul Majid Khan
Phd-UZ02F17	Ali Hasan	Prof. Dr. Javed Iqbal Qazi
Phd-UZ03F17	Bilal Javed	Dr. Nabila Roohi
Phd-UZ04F17	Atia Rehman	Dr. Nadeem Sheikh
Phd-UZ05F17	Komel Ahmad	Dr. Zulfiqar Ali



Phd-UZ06F17	Itrat Zahra	Dr. Farah Rauf Shakoori
Phd-UZ07F17	Saima Gondal	Dr. Abida Butt
Phd-UZ08F17	Saira Ambreen	Dr. Nadeem Sheikh
Phd-UZ09F17	Fatima Jabeen	Dr. Zulfiqar Ali
Phd-UZ10F17	Rafia Tabassum	Dr. Ayesha Ahtesham
Phd-UZ11F17	Saman Javed	Dr. Najma Shaheen
Phd-UZ12F17	Mirza Muhammad Arslan Azam	Dr. Najma Shaheen
Phd-UZ13F17	Abrar Hussain	Dr. Muhammad Akbar Khan
Phd-UZ01F17	Muhammad Tahir Waseem	Dr. Abdul Majid Khan
Phd-UZ02F17	Ali Hasan	Prof. Dr. Javed Iqbal Qazi
Phd-UZ03F17	Bilal Javed	Dr. Nabila Roohi
Phd-UZ04F17	Atia Rehman	Dr. Nadeem Sheikh
Phd-UZ05F17	Komel Ahmad	Dr. Zulfiqar Ali
Phd-UZ06F17	Itrat Zahra	Dr. Farah Rauf Shakoori
Phd-UZ07F17	Saima Gondal	Dr. Abida Butt

Ph.D (Inservice Program) 2017

Roll No.	Name of Students	Supervisor
ZPI17-01	Sundas Akram	Dr. Nabila Roohi
ZPI17-02	Mohammad Zubair	Dr. Nabila Roohi
ZPI17-03	Raana Zafar	Dr. Nadeem Sheikh
ZPI17-04	Muhammad Hasan	Dr. Nabila Roohi
ZPI17-05	Shazia Ghafoor	Dr. Nadeem Sheikh
ZPI17-06	Muhammad Ahsan Raza	Dr. Nabila Roohi
ZPI17-07	Mehwish Riaz	Dr. Nadeem Sheikh
ZPI17-08	Absar Ahmad	Dr. Zulfiqar Ali
ZPI17-09	Nabeela Hussain	Dr. Nabila Roohi
ZPI17-10	M. Shahzad Ahmad Khan	
ZPI17-11	Abdul Rehman Qureshi	Dr. Nabila Roohi
ZPI17-12	Habiba Khalil	Dr. Najma Arshad
ZPI17-13	Mariam Zaheer	Dr. M. Akbar Khan
ZPI17-14	Mamoona Shahid	Dr. M. Akbar Khan
ZPI17-15	Qurat-ul-Ain	Dr. Ayesha Ahtesham
ZPI17-16	Muhammad Saeed Zafar Khan	Prof. Dr. Javed Iqbal Qazi
ZPI17-17	Ghulam Rasool	Dr. Ayesha Ahtesham
ZPI17-18	Aalia Tabsum	Dr. M. Akbar Khan
ZPI17-19	Syed Shamsheer Abbas Ali Shah	Dr. Ayesha Ahtesham
ZPI17-20	Ghulam Ayesha Javed	Dr. Najma Arshad
ZPI17-21	Faisal Fiaz	Dr. M. Akbar Khan
ZPI17-22	Mushtaq Hussain Zahid	Dr. Nabila Roohi

MS/M.Phil (Morning) Session 2017-19

Roll No.	Name of Students
MPhil-UZ01F17	Mah Noor Khan



MPhil-UZ02F17	Iqra Yaseen
MPhil-UZ03F17	Asma Ilyas
MPhil-UZ04F17	Sadia Khaliq
MPhil-UZ05F17	Humaira Shah
MPhil-UZ06F17	Farah Batool
MPhil-UZ07F17	Zainab Riaz
MPhil-UZ08F17	Muhammad Adil Nadeem
MPhil-UZ09F17	Farah Kausar
MPhil-UZ10F17	Naila
MPhil-UZ11F17	Mahrugh Qaisar
MPhil-UZ12F17	Tahreem Rana
MPhil-UZ13F17	Amna Aurang Zaib
MPhil-UZ14F17	Sidra Alim
MPhil-UZ15F17	Nida Shahzad

Roll No.	Name of Students
MS-UZ01F17	Rida Ahmad
MS-UZ02F17	Saba Saeed
MS-UZ03F17	Ammar Ali
MS-UZ04F17	Saira Kainat Suqaina
MS-UZ05F17	Arfa Anwar
MS-UZ06F17	Shahid Mehmood
MS-UZ07F17	Urooj Fatima
MS-UZ08F17	Hassan Raza
MS-UZ09F17	Sosan Andleeb Khan
MS-UZ10F17	Nadia Farooq
MS-UZ11F17	Farhan Abid
MS-UZ12F17	Farva Faiz
MS-UZ13F17	Pakeeza Tanweer
MS-UZ14F17	Tayyaba Saleem
MS-UZ15F17	Sidra Munawar

M.Phil Inservice Program Session 2017-20

Roll No.	Name of Candidate
ZPI17-01	Hufsa Jamshaid
ZPI17-02	Amna Gull
ZPI17-03	Aasma Ashraf
ZPI17-04	Izhar Abbasi
ZPI17-05	Sumaira Riaz



ZPI17-06	Mrs. Erum Shahzadi
ZPI17-07	Saima Khalid
ZPI17-08	Tasur Riaz
ZPI17-09	Hafiza Saman Akram
ZPI17-10	Mehwish Akram
ZPI17-11	Kinza Khalid
ZPI17-12	Arooj Mustafa
ZPI17-13	Aqsa Pervaiz
ZPI17-14	Syeda Nida Kazmi
ZPI17-15	Saima Kanawal
ZPI17-16	Abdul Rehman Arif
ZPI17-17	Azka Intizar
ZPI17-18	Tehseen Jamil
ZPI17-19	Akhtar Ali
ZPI17-20	Sadaf Liaqat
ZPI17-21	Umar Khatab
ZPI17-22	Ayesha Zareen
ZPI17-23	Saima Ameer
ZPI17-24	Syed Hassan Raza Naqvi
ZPI17-25	Asif Rafiq
ZPI17-26	Nabila Rehman
ZPI17-27	Zunaira
ZPI17-28	Fozia Noreen
ZPI17-29	Faqeer Hussain
ZPI17-30	Shehzana Kiran Raza

- *M.Sc. Self-Supporting Program:* Due to increasing demand of the graduates in life-sciences and for those deserving students who could not get admission in the morning class, M.Sc. evening program was launched as a Replica program. The courses of study are exactly similar as morning classes and other rules/ regulation applicable to morning classes will also be applicable to evening classes. This class also accommodates the in-service persons who could attend morning the classes. However, only those students are admitted in the evening class who fulfill the normal prerequisites for M.Sc. morning class. The total dues for 2 year degree are Rs.175,000.
- *In-Service Ph.D. Program:* The University of the Punjab allowed to start In-Service program from June 2010 for employers of the R & D organization and college teachers. The term & conditions for this program are exactly same as for regular Ph.D. Program except that the course work will be conducted during summer holidays maximum 12 credit hours each year. The candidate may carry out their research at their respective organization with monitoring system arranged by the University as per HEC criteria. M.S./M.Phil. with 3.0 CGPA is one of the pre-requisites for admission to this program along with several others. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examinations before commencement of Ph.D. research project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years.



- The theses are evaluated by experts from technologically advanced countries for the award of degree. Following registration, by the Board of Advanced Studies and Research of the university, the scholars were required to carry out research under the supervision of their respective supervisors. The candidates may conduct their research work in laboratories of other research development organizations. Infact, many scientists working in National and International Organizations had been registered in this way. After working out the research problem, under expert supervision, the research dissertations are submitted for evaluation.

INSTITUTE OF APPLIED PSYCHOLOGY

- **Faculty Development Programmes (MS/ PhD Local + Foreign)**
 - Two faculty members are on leave for Ph.D from UK and Germany funded by University of the Punjab, Lahore.
 - One faculty member is doing Ph.D from the Institute of Applied Psychology, University of the Punjab, Lahore funded by the Higher Education Commission of Pakistan (under HEC Indigenous Scholarship for PhD studies).
- **Returned Scholars**

Ms. Nida Zafar, Ph.D Scholar (Session 2014 Spring Semester) awarded scholarship from Higher Education Commission for 6 months fellowship under “International Research Support Initiative Program” for Ph.D research work under foreign supervisor Prof. Dr. Stale Pallesen from Department of Psychosocial Sciences, University of Bergen, Norway.
- **Present Scholars**
 - Ms. Afifa Anjum, Lecturer is Ph.D Scholar at Institute of Applied Psychology, University of the Punjab, Lahore.
 - Ms. Omama Tariq, Assistant Professor is Ph.D Scholar at University of Brighton, UK.
 - Ms. Tahira Mubashar, Lecturer is Ph.D Scholar at University of Kassel, Germany.
- **Pre-service and in-service professional development programs**

Pre-service and in-service professional development programs are organized at University level for the newly inducted and in-service faculty members.

SCHOOL OF BIOLOGICAL SCIENCES

- Most of the faculty members are highly qualified and experienced researchers. They continued with their usual research activities and collaboration with laboratories in foreign Universities (Massachussets, Cornell, UCL, Davis and NIH – Bethesda in USA, Sugarcane Research Unit, Houma, LA, USA, Wales, and Southampton in UK and Kyoto in Japan).
- The School receives foreign faculty members for shorter period of time, who are actively involved in teaching of a particular course and or help in Ph.D. research projects of the students who are working in their areas of expertise. During the year under report following scientists from abroad visited School of Biological Sciences.



CENTRE FOR APPLIED MOLECULAR BIOLOGY

- **Faculty development programmes** (MS/ PhD local + foreign)
 - **Local:**
 - One faculty member is enrolled in M.Phil and one for Ph.D
 - Five faculty members already enrolled in Ph.D are going to complete their degrees within a year.
 - **Foreign:**
 - Two faculty members have been proceeded foreign country for Ph.D
- **Returned Scholars:**
 - One faculty member has been returned after completing his Ph.D from China.
 - One faculty member will return in 2018 after completing his Ph.D from China.
- **Present Scholar:**
 - Ph.D = 11 (8 local + 3 foreign)
 - M.Phil= 1 (local)

Faculty of Oriental Learning

DEPARTMENT OF PERSIAN

- **Achievements of Foreign Faculty**
 - A Foreign Faculty Member from Firdousi University Mashhad, Iran taught in the Persian Department for one year regarding memorandum between PU, and Firdousi University, Mashhad, Iran

Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

- **Faculty development programmes** (MS/ PhD local + foreign)
 - The University College of Pharmacy has continue the faculty development program at the College level.
 - The University of the Punjab, Lahore is sponsoring 3 Faculty members for Foreign PhD program.
- **Returned Scholars:** One (01)
- **Present Scholars :** Two (2)



Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Keeping in view the importance of the available resources, the CIMR brings together leading researchers and draws on the full range of expertise in the University to provide solutions to local/regional/global problems pertaining to mountainous regions. The Centre contributes to developing a greater understanding of the key scientific, social and institutional issues that underpin sustainable development of mountain resources. The following full time faculty members are:

Sr. No.	Name & Designation	Degrees	Area of Interest
1	Dr. Safdar Ali Shirazi <i>Director and Associate Professor</i>	<ul style="list-style-type: none"> • MSc Geography (PU) • PhD Geography (UoK, Pakistan) • Post Doctorate (Humboldt University, Berlin. Germany) • DAAD Research Fellow 	Geography, Climatology/Climate Change, LULC Studies, Urban Ecology and Population Geography ecosystem services, urbanization and urban sustainability Disaster Risk Reduction,
2	Engr. Dr. Muhammad Yaseen <i>Assistant Professor</i>	<ul style="list-style-type: none"> • BSc Engineering (Agri) • MSc Water Resources Engineering (CEWRE, UET) • PhD Water Resources Engineering (CEWRE, UET) • ITC, Netherland Research Fellow 	Watershed Hydrology, Decision Support System and Watershed Modeling, Integrated Water Resources Management, Mountain Conservation and Watershed Management, Climate Change and Disaster Risk Management, Sustainable Irrigation and Drainage System Management, Groundwater Modeling and Management



3	Dr. Shazia Pervaiz <i>Assistant Professor</i>	<ul style="list-style-type: none"> • MSc Geography (PU) • MPhil Environment Science (Kinnaird College) • PhD Environment Science (LCWU), 	Environmental Impact Assessment, Multilateral Environmental Agreements, Sustainable Development and Planning, Clean Development Mechanism, Biodiversity and Conservation, Hazardous Waste, Climate Change, Natural Resource Management, Health and Environment, Eco-Tourism, Environmental Profile of Pakistan, Environmental Laws & Policies, Environmental Pollution, Health, Safety and Environment, Project Management and Planning
4	Mr. Sohail Abbas <i>Lecturer</i>	<ul style="list-style-type: none"> • MBA Marketing (PU) • MPhil Geo-environmental Conservation and Sustainable Development (CIMR, PU) 	Green Economy and Technology, Data Base Management Information System, Community Development, Research Method, Project Management, Remote Sensing and GIS, Sustainable Development, REDD+ and Forestry
5	Mr. Muhammad Junaid Mahmood <i>Lecturer</i>	<ul style="list-style-type: none"> • MSc Mountain Conservation and Watershed Management (CIMR, PU) • MS Sustainable Water Management (University of Kristianstad, Sweden) 	Eco and Sustainable Tourism; Wetlands Management, Soil and Water Conservation, Watershed Conservation and Management, eco-sanitation, Urban Water Management

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

- **Faculty development programs** (MS / PhD local + foreign):
Presently following faculty members are pursuing PhD studies in foreign / local Universities and working on their research work.



▪ Foreign

Sr. No.	Name of Faculty member	Subject / Area of Study
1.	Mr. Muhammad Kamran Assistant Professor	THM

▪ Local

Sr. No.	Name of Faculty member	Department / University	Subject / Area of Study
1.	Mr. Azhar Ali	CEES, P.U., Lahore	Environmental Sciences
2.	Ms. Soniya Munir	-do-	-do-
3.	Ms. Maryam Zameer	-do-	-do-
4.	Mr. Hassaan Bin Sadaat	-do-	-do-
5.	Ms. Fizza Hassan	-do-	-do-
6.	Ms. Uzma Ashraf	-do-	-do-
7.	Mr. Muhammad Waqar	-do-	Applied Hydrology
8.	Ms. Zaib un Nisa	-do-	-do-

- Present Scholars: 08

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- Faculty development programmes (MS/ PhD local + foreign)

- 1 faculty member is doing PhD from UK
- 2 faculty members are doing PhD from Malaysia

- Present Scholars

- 2 faculty members are registered as PhD student in Punjab University
- 1 faculty member is enrolled in PhD at LUMS
- 1 faculty member is enrolled in PhD at The Lahore University

DEPARTMENT OF GEOGRAPHY

- Faculty development programmes (MS/ PhD local + foreign)

Presently the department is availing the services of Eight regular and Two contractual teachers. Out of these regular teachers six are PhDs (3 foreign & 3 local PhD) while 1 is MPhil. The faculty on contract comprised 1 PhD (Foreign) and 1 M.Phil in qualification.

- Returned Scholars: (Post Doctorate) 01

- Present Scholars: 05

DEPARTMENT OF MATHEMATICS

- Faculty development programmes (MS/ PhD local + foreign)

- Ms. Saira Hamid Lecturer is doing Ph.D. from University of the Punjab, Lahore.
- Ms. Maasoomah Sadaf, Lecturer, is doing Ph.D. from University of the Punjab, Lahore.



DEPARTMENT OF PHYSICS

- **Present Scholars**
 - Mr. Muhammad Shahbaz is doing PhD from USA University under the PU-HEC Faculty Development Programme.
 - Miss Attia Falak (Lecturer) is doing PhD from China University under the PU-HEC Faculty Development Programme.

DEPARTMENT OF SPACE SCIENCE

- **Faculty development programmes** (MS/ PhD local + foreign)
Mr. Athar Javaid currently doing Ph.D. From Germany
- **Present Scholars**
Shahid Pervaiz, Jahzaib Qureshi, Zia ul Haq, Asim Doud Rana, Khalid Mahmood, Amer Masood

INSTITUTE OF CHEMISTRY

Mr. Hamid Raza gone in Germany for pursuance of his PhD. Moreover during the year (2016-17) there is no pre-service and in-service professional development programs conducted

INSTITUTE OF GEOLOGY

- **Faculty development programmes** (MS/PhD local + foreign)
Rana Ammad Bin Sadiq (Lecturer) is pursuing PhD Studies at the Technical University of Freiberg, Germany awarded by the Punjab University Overseas Scholarship and Travel Grant Committee.
- **Returned Scholars**
Dr. Muhammad Armaghan Faisal Miraj, Assistant Professor (Adhoc) has completed PhD Studies from the Ruhr University, Bochum, Germany under Faculty Development Program.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Returned Scholar**
Dr. Laeeq Aslam
- **Present Scholars**
 - Sadia Shahzad
 - Mr. Abdul Khaliq
 - Muhammad Arif Butt
 - Muhammad Idrees
 - Mr. Abdul Mateen
 - Mr. Hassan Khan
 - Muhammad Ahmad Ghazali
 - Mr. Kamran Malik



- Ms. Javeria Iqbal
- Ms. Saima Ali
- Ms. Muddasra Arshad
- Ms. Amina Mustansir
- Rukhsana Kausar
- Kashif Murtaza
- Aisha Khan
- Zobia Suhail

Punjab University Gujranwala Campus

- **Faculty development Programme (MS/ PhD local + Foreign)**
The Punjab University is facilitating the faculty members by offering them scholarships for PhD from the renowned foreign Universities of the world. Resultantly, two faculty members from Gujranwala Campus are doing PhD from renowned foreign universities on scholarship awarded by the University of the Punjab, Lahore.
- **Present Scholars: 2**

Punjab University Jhelum Campus

Present Scholars: 1



Chapter

5

ACCESS

- *Basic Enrolment*
- *Equity*
- *Gender-wise Detail*
- *Employability*
- *Faculty-Student Ratio*



CHAPTER 5

Access

Faculty of Arts & Humanities

COLLEGE OF ART & DESIGN

○ **Employability**

The Graduates of College of Art & Design are employed in Public and Private Sector including Publication Houses, Advertising Agencies, Fashion Houses, Print and Electronic Media, Journalism, Interior Design Houses, Freelance Design Consultancies, Photography Studios, Art Criticism, Museum Related Fields such as Curatorship of Galleries, Set and Exhibition Design and Display, Book Illustration and Publishing, Environmental Design, Signage Design, Studio Workshop etc.

○ **Faculty-student ratio**

Program	Ratio
BFA & B. Arch	1:9
M.A. (Painting), MFA, M. Arch	1:4
M. Phil	1:4
MS Art History	1:7
PhD	1:3

CENTRE FOR SOUTH ASIAN STUDIES

○ **Basic enrolment**

M.Phil = 20 Ph.D = 07

○ **Gender-wise Detail**

M.Phil 2016-17	
12	08

PhD 2016-17	
06	01

DEPARTMENT OF ARCHAEOLOGY

○ **Basic enrolment**

22 students (M.A. Archaeology)

05 students (M.Phil Archaeology)



- **Gender-wise Detail**
 - 10-Female and 12-Male (M.A. Archaeology)
 - 3-Female and 2-Male (M.Phil Archaeology)
- **Employability**
 - Fair opportunities for employment are available with Punjab Govt., Museums, other cultural institution and NGOs.
 - Students get jobs in Museums, Provincial or Federal Department of Archaeology, TDCP, PTDC and Heritage management organizations after successful completion of M.A. and M.Phil Degrees.
- **Faculty-student ratio**
 - 1=8 students approx. (M.A. Archaeology) (data required)
 - 1=3 students approx. (M.Phil. Archaeology)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Basic Enrolment:** 734 students
- **Gender-wise Detail**

Programme	Male	Female	Total
Ph. D	-	-	-
M.Phil – I	01	14	15
M. Phil – II	02	13	15
MA – I	30	55	85
MA – II	29	57	86
BS-I	21	23	44
BS-II	17	22	39
PGD-ELT	10	30	40
Diploma in Linguistics	20	30	50
Spoken English Certificate (4 session in a year)	100	260	360
Total			734

- **Employability**

Students of the Department of English serve in different fields: government, Semi-government and private sectors, particularly in educational institutions and Civil Services.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Basic Enrolment:** 274
- **Gender-wise Detail:** Male 172, Female 102
- **Employability:** 17
- **Faculty –Student ratio:** 27



DEPARTMENT OF PHILOSOPHY

○ **Basic enrolment**

The Department of Philosophy is running four academic programmes i.e. (BS, MA, MPhil and PhD)

Programme	Duration	Basic Enrollment
BS Philosophy (2016-2020)	4-Years	51
MA Philosophy (2016-2017)	2-Years	27
MPhil Philosophy (2016-2017)	2 Years	5
PhD (2016-2020)	4 Years	3

○ **Gender-wise Detail**

Programme	Duration	Gender	
		Male	Female
BS Philosophy (2016-2020)	4-Years	27	24
MA Philosophy (2016-2017)	2-Years	15	12
MPhil Philosophy (2016-2017)	2 Years	3	2
PhD (2016-2020)	4 Years	NIL	3

○ **Employability**

The Philosophy graduates work in education, government, law, journalism and politics.

○ **Faculty-student ratio:** 86 Students and 20 Teachers

PAKISTAN STUDY CENTRE

○ **Basic enrolment**

Ph.D. Pakistan Studies Sessions	M. Phil. Pakistan Studies Session
24	08

○ **Gender-wise Detail**

	Male	Female
M. Phil. Pakistan Studies	15	09
PhD Pakistan Studies	04	04

○ **Employability**

The graduating students of the Centre are eligible to serve in public and private sectors. Most students who complete their M. Phil. and Ph.D. degrees are serving in educational institutes and civil services.

○ **Faculty-student ratio**

M. Phil. Pakistan Studies	06:01
---------------------------	-------

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ **Basic enrollment**

- BS (hons): 27
- M.A French: 13
- Short courses certificates (evening): 30



○ **Employability**

The feedback from the alumni and passed out graduates continued to show instant market/industry absorption of our top graduates who were offered employment much before their graduation on the basis of their academic excellence and expertise in French Studies. Such statistics prove that the field of French Studies is in high demand in both public and private sectors.

○ **Faculty-student ratio**

S. No.	Faculty	Students	Ratio
1.	3	70	3:23

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **Basic enrolment:** 671

○ **Gender-wise Detail**

Morning		BS			Master			M Phil			Ph.D		
	Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1 st Year	I	15	35	50	15	17	32	3	17	20	0	10	10
2 nd Year	III	19	35	54	18	20	38	5	11	16	3	7	10
3 rd Year	V	11	51	62	---	---	---	---	---	---	3	7	10
Self -Supporting													
1 st Year	I	22	43	65	09	07	16	3	17	20	6	4	10
2 nd Year	III	23	46	69	14	20	34	11	16	27	3	2	5
3 rd Year	V	16	44	60									
4 th Year	VII	14	43	57									
Total				671									

○ **Employability**

- Public Sector: Lecturers in the Home Department, Lahore College for Women University, Fatima Jinnah College, Chuna Mundi , Fatima Jinnah Women University
- Gender Specialists in GRAP, DWD and Ministry of Human Rights
- Private Sector: National and International NGOs

○ **Faculty-student ratio:** 1:12



DEPARTMENT OF POLITICAL SCIENCE

○ Basic enrolment

Sr. No.	Program	Total Number of Students Enrolled
1	BS (Hons.) Political Science	48
2	M.A Political Science	64
3	M.A International Relations	60
4	M.A Diplomacy & Strategic Studies	53
5	M.Phil Political Science	15
6	M.Phil International Relations	20
7	Ph.D Political Science	10
8	Ph.D International Relations	15
Total:		285

○ Gender wise detail

Sr. No.	Program	Gender Wise Enrolled		Total Number of Students
		Male	Female	
1	BS (Hons.) Political Science	39	09	48
2	M.A Political Science	49	15	64
3	M.A International Relations	50	10	60
4	M.A Diplomacy & Strategic Studies	43	10	53
5	M.Phil Political Science	7	8	15
6	M.Phil International Relations	14	6	20
7	Ph.D Political Science	3	7	10
8	Ph.D International Relations	5	10	15
Total:		210	75	285

○ Employability

In Media, Teaching, Foreign Office, and other administrative posts in govt. and private sector

○ Faculty student ratio

1/51 (11 Faculty members, 567 students)

DEPARTMENT OF SOCIAL WORK

○ Basic enrolment

	M.Sc. Social Work Part-I Session 2016-2018 (Total 124 Students Enrolled)	
	Male	Female
Morning Programme (Total Students 59)	26	33
Replica Programme (Total Students 69)	28	41



○ **Gender wise Detail:**

Programmes	Gender		Total Number of Students
	Males	Females	
PhD (Second Year)	07	01	08
PhD (Third Year)	03	05	08
M.Phil (Second Year)	02	08	10
M.Sc. Part-I (Morning)	26	33	59
M.Sc. Part-I (Replica)	28	41	69
M.Sc. Part-II (Morning)	25	33	58
M.Sc. Part-II (Replica)	16	39	55
Total Students			267

○ **Faculty Student Ratio:**

Total Number of Students (267) = 26.7

Total Number of Faculty Members (10) = 1

INSTITUTE OF COMMUNICATION STUDIES

○ **Basic Enrolment**

- BS (4-Year) Communication Studies (Gender wise detail)

Male	28
Female	30
Total	58

- M.Sc Communication Studies (Morning Program) (Gender wise detail)

Male	38
Female	24
Total	62

- M.Sc Communication Studies (Replica Program) (Gender wise detail)

Male	37
Female	33
Total	70

- M.Sc Communication Studies (Development Journalism) (Gender wise detail)

Male	44
Female	26
Total	70



▪ M.Sc Communication Studies (Film & TV Production) Gender wise detail

Male	31
Female	19
Total	50

▪ M. Phil (Research Track) (Gender wise detail)

Male	07
Female	09
Total	16

▪ M. Phil (Professional Track) (Gender wise detail)

Male	14
Female	11
Total	25

▪ Ph.D (Gender wise detail)

Male	06
Female	13
Total	19

▪ PGD in Television Communication & Production (Gender wise detail)

Male	12
Female	10
Total	22

Total Male Students = 217

Total Female Students = 175

Grand Total = 392

○ **Employability**

Graduate students of Institute of Communication Studies achieves the highest level of employability as compare to other institutions offering media and journalism education.

○ **Faculty-Students Ratio**

Total Number of Faculty Permanent Members = 22

Total Number of Visiting Faculty Members = 12

Total Number of Students (Approximately) = 900

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **Basic enrolment**

Total number of enrolled students in the current period are 878



No. of Students Enrolment by Sex and Year for Academic Session 2014-2015

■ BS (4-years) Sociology & Sociocultural Studies

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	21	32	27	35	14	39	31	33
Replica	32	46	32	38	34	37	43	32
Evening								

■ M.Sc Degree

	1 st Year		2 nd Year	
	M	F	M	F
Morning	51	58		
Replica	49	33		
Evening	65	10	63	07

■ M.Phil

	1 st Year		2 nd Year	
	M	F	M	F
Regular	11	29	10	30
Replica	39	69	43	59

■ Ph.D Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year	
	M	F	M	F	M	F	M	F	M	F
Regular	8	2	8	2	6	4	3	4		
Evening	8	18	14	14						

○ **Employability**

- BS (Hons.) (4 years) Sociology & Sociocultural Studies had approx. 65% employability rate.
- MSc Sociology had approx 60 % employability rate.
- MSc Population Sciences (MPS) (Afternoon Self-Supporting) had approx 40% employability rate.
- MSc Criminology & Security Studies (Self-Supporting) had approx 75% employability rate.
- MSc Development Studies (Self-Supporting) had 40% employability rate.

○ **Faculty-student ratio**

Number of teachers	Number of students enrolled	Ratio
17	1688	1:105



Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

○ **Equity**

No discrimination is being made for enrolment in our College. At present Muslims, Hindus and Christians are also studying in our College.

○ **Employability**

Our graduates have so far been well accepted in Banks, Corporate Sector Insurance Sector, Central Supervisor Services and Government entities. We are also making efforts to increase the employability possibilities for their employment abroad. Some of them have procured jobs in Singapore, Switzerland, Middle East, South Africa etc. Our alumni hold top positions in financial sector.

○ **Faculty Student Ratio**

Faculty – Student Ratio is: 1 (Faculty): 100 (Students).

The gap is being filled by associating part-time teachers.

HAILEY COLLEGE OF COMMERCE

○ **Basic Enrolment**

- Admitted in B.Com Hons. 4 years semester Programme after passing Intermediate
- Admitted in M.Com 3 ½ years after passing B.Com. I.T 2 years programme
- Admitted in M.Com 1 ½ after passing B.Com 4 years or M.Com 2 years.

○ **Gender wise Detail**

Program		No. of students admitted				No. of Seats sectioned	
		Merit		Reserved		Merit	Reserved
		M	F	M	F		
Bachelor B. Com (4 Yrs)	Morning	97	99	22	5	200	15
	Replica	111	88	4	2	200	05
	Evening						--
Master M. Com (3½ years)	Morning	52	33	-	3	86	10
	Replica	71	32	--	--	94	04
	Evening	--	--	--	--		--
M. Com (1½ years)	Morning	23	11	--	--	50	--
	Replica	28	19	--	--	50	--
	Evening	09	11	--	--	20	--
M.Phil.	Morning	8	12			20	--



○ **Faculty Student Ration**

No of Budgeted Post		No. of Faculty Member actually present Permanent Contractual		No. of Ph.D Teachers	No. of Non-Ph.D Teachers	Programs running in the College Programme No. of Students	
Professors	02	02	01	02	00	B.Com (Hons.) Various Semesters	1534
Associate Professors	06	01	00	01	00	M.Com 3 ½ years Various Semesters	777
Assistant Professors	15	17	03	09	11	M.Com 1 ½ years	216
Lecturers	18	02	10	01	12	M.Phill Ph.D	38 35

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

○ **Student Enrollments for the year**

Regular Fee Structure	Semester	M.Sc. Morning			M. Phil			Ph.D		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1st Year	I	22	57	79	5	15	20	6	4	10
	II	0	0	0	0	0	0	4	6	10
2nd Year	III	10	65	75	4	14	18	3	3	6
	IV	0	0	0	0	0	0	3	6	9
Total		32	122	154	9	29	38	16	19	35

Self-supporting Programs	Semester	M.Phil Weekend			M.Sc. Replica			MBEcon			PGDAE		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
1st Year	I	17	23	40	21	47	68	20	50	70	12	22	34
	II				0	0	0	0	0	0			
2nd Year	III	11	28	39	14	48	62	17	51	68			
	IV				0	0	0	0	0	0			
Total		28	51	79	35	95	130	37	101	138	12	22	34

Program	Ph.D	M. Phil	M.Sc. Morning	M.Sc. Replica	MBEcon	PGDAE	Total Students of Department
Total Student	35	117	154	130	138	34	608

○ **Faculty-student ratio** is 60 student per teacher



DEPARTMENT OF INFORMATION MANAGEMENT

○ **Basic enrolment**

In Masters (Morning & Afternoon) program, seventy four students admitted in 2016 and seventy students also got admission in 2017. In M.Phil program, twenty students got admission in 2016 and eighteen students got admission in 2017. In Ph.D. program, eleven students admitted in 2016 and four students enrolled in 2017.

○ **Gender-wise Detail**

Program	Male	Female	Total
M.A (Morning, Afternoon)	2017=26	2017=46	2017=72
MPhil Regular	2017=7	2017=11	2017=18
PhD	2017=3	2017=1	2017=4

○ **Employability**

The Department regularly conducts surveys to know the job market of its graduates and the needed competencies. Efforts have been made to improve the job market and quality of the program.

○ **Faculty-student ratio**

There were 9 teachers available the department. The student ratio was 1:12. The department hired visiting faculty members to meet the deficiency

INSTITUTE OF ADMINISTRATIVE SCIENCES

○ **Basic enrolment**

Admission Enrollment Year 2016-2017					Dropped Students	
Sr. No	Name of Program	Shift	Total Application Received	Enrollment	Due to Demerit	Due to Financial Constraint
1	M.Phil Management	Regular	737	25	1st Semester in process, Midterm exams are scheduled after winter vacation	
2	MPA (18 years)	Regular		15		
3	Master of HRM	Regular	900	48		
4	Master of HRM	Replica		63		
5	BS (4 years) Management	Regular	1797	81		
6	BS (4 years) Management	Replica		97		
		Evening	350	19		
7	MPA (18 years)	Evening		35		
8	Master of HRM	Evening	250	80		
9	Master of Marketing	Evening				
10	Master of Health Administration	Evening				
Total				463		



Fall Semester 2016-17

Sr. No.	Shift	Class	Semester	Session	Male	Female	Total	
1.	Regular	PhD in Management	1st	2016-2019	1	8	9	69
2.	Regular	M.Phil in Management	1st	2016-2018	4	11	15	
3.	Regular	M.Phil in Management	3rd	2015-2017	2	13	15	
4.	Regular	Master of Public Administration	1st	2014-2016	4	11	15	
5.	Regular	Master of Public Administration	3rd	2013-2015	2	13	15	
6.	Regular	Master of Human Resource Management	1st	2016-2018	13	35	48	780
7.	Regular	Master of Human Resource Management	3rd	2015-2017	24	26	50	
8.	Regular	BS (Hons) Management	1st	2016-2018	22	56	78	
9.	Regular	BS (Hons) Management	3rd	2015-2019	20	47	67	
10.	Regular	BS (Hons) Management	5th	2014-2018	21	56	77	
11.	Regular	BS (Hons) Management	7th	2013-2017	15	40	55	
12.	Replica	Master of Human Resource Management	1st	2014-2016	22	40	62	
13.	Replica	Master of Human Resource Management	3rd	2013-2015	18	17	35	
14.	Replica	BS (Hons) Management	1st	2016-2018	36	54	90	
15.	Replica	BS (Hons) Management	3rd	2015-2019	39	46	85	
16.	Replica	BS (Hons) Management	5th	2014-2018	34	43	77	
17.	Replica	BS (Hons) Management	7th	2013-2017	17	39	56	
18.	Evening	Master of Marketing	6th	2015-17	24	3	27	180
19.	Evening	Master of Health Administration	6th	2015-17	32	14	46	
20.	Evening	Master of Human Resource Management	6th	2015-17	3	7	10	



21.	Evening	Master of Marketing	3rd	2016-18	20	3	23
22.	Evening	Master of Human Resource Management	3rd	2016-18	37	21	58
23.	Evening	Master of Health Administration	3rd	2016-18	4	12	16
Total Students					414	615	1029

Detail of Enrolled Students						Merit Scholarship Distributions Year 2016-2017				
Bachelor (Morning)									Students	Scholarship
Semester	Session	BS	Male	Female	Total			MHRM	195	9
I	2016-20		22	56	78			BS	585	56
III	2015-19		20	47	67			MPA/Mphil/PhD	168	18
V	2014-18		21	56	77				948	83
VII	2013-17		15	40	55					
Total					277					
Bachelor (Self-supporting)						BS (Hons)	Semester	Session	Students	Scholarship
Bachelor							I	2016-20	168	9
Semester	Session		Male	Female	Total		III	2015-19	152	17
I	2016-20		36	54	90		V	2014-18	154	18
III	2015-19		39	46	85		VII	2013-17	111	12
V	2014-18		34	43	77	Program	Semester	Session	Students	Scholarship
VII	2013-17		17	39	56	M.Phil	I	2016-2018	34	3
Total					308	M.Phil	III	2015-2017	15	3
Master (Morning)						MPA	I	2016-2018	60	3
Semester	Session	Mphil	MPA	HRM	Total	MPA	III	2015-2017	59	3
I	2016-2018	15	25	48	88	PhD	I	2016-2018		3
III	2015-2017	15	23	50	88	PhD	III	2015-2017		3
					176				168	18
Master (self-supporting)										
Semester	Session	Mphil	MPA	HRM	Total	Program	Semester	Session	Students	Scholarship
I	2016-2018	19	35	62	116	MHRM	I	2014-2016	110	4
III	2015-2017	0	36	35	71	MHRM	III	2013-2015	85	5
									195	9
					187	Total Merit Scholarship Allocated				83

INSTITUTE OF BUSINESS ADMINISTRATION

○ Basic enrolment

Sr. No.	Program	No. of Enrolled Students
1	Ph.D in Business Administration	17
2	M.Phil in Business Administration	41
3	MBA 1½ Years (Morning)	129
4	MBA 3½ Years (Afternoon)	129
5	MBA (Evening)	419



6	BBA Hons (Morning)	227
7	BBA Hons (Afternoon)	218
8	PGD (Evening)	54
Total		1234

○ **Gender-wise Detail**

Sr. No.	Program	Male	Female	Total
1	Ph.D in Business Administration	8	9	17
2	M.Phil in Business Administration	14	27	41
3	MBA 1½ Years (Morning)	48	81	129
4	MBA 3½ Years (Afternoon)	84	45	129
5	MBA (Evening)	362	57	419
6	BBA Hons (Morning)	101	126	227
7	BBA Hons (Afternoon)	109	109	218
8	PGD (Evening)	34	20	54
Total		760	474	1234

○ **Employability:** About 80%.

○ **Faculty-student ratio**

No. of Faculty (permanent/contract)	No. of Student (Morning programs)	Faculty-student Ratio
15	414	1:28

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

○ **Gender-wise detail**

Program: BBIT (4 Years)

Session	Morning A		Afternoon A		Morning B		Afternoon B		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
F11	1	0	1	0	0	0	1	0	3
F12	5	1	4	2	7	2	5	5	31
F13	16	34	24	34	20	39	28	36	231
F14	18	38	28	33	0	0	0	0	117
F15	12	30	16	18	16	26	23	20	161
F16	9	33	15	25	22	19	25	20	168

Program: MBIT via BBIT

Session	Morning A		Afternoon A		Morning B		Afternoon B		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
F14	0	2	0	0	0	0	0	0	2
F15	12	44	0	0	0	0	0	0	56
F16	12	22	0	0	0	0	0	0	34



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

○ **Basic enrolment**

- Student teacher ratio of special education (2016-17)

M. A. Program	Male students	Female students	Total Number of students
Morning	14	44	58
Self-supporting	11	45	56
M. Phil	2	4	6
Ph. D	2	3	5

- Basic enrolment in M.A M. Phil of special education (2017-18)

M.A. Program	Male students	Female students	Total students
Morning	16	44	60
Self-supporting	18	42	60
M.Phil	5	11	16

○ **Employability**

Approximately 85% graduates of this department have got jobs both in public and private sector.

○ **Student teacher ratio**

- 2016-17

Total students	Total teachers	Ratio
125	7	18

INSTITUTE OF EDUCATION & RESEARCH

○ **Basic Enrolment**

Program		No. of Students Admitted
Bachelor	Morning	92
	Replica	111
Master	Morning	442
	Replica	359
Ph. D		23
M. Phil		202

**Gender-wise Detail**

Bachelor Degree	1st Year		2nd Year	
	M	F	M	F
Morning	12	80	4	65
Replica	7	104	2	91
Master Degree				
Morning	80	362	56	303
Replica	42	320	38	242
M.Phil Leading to Ph.D Degree				
Regular	5	60	5	41
Replica	29	108	20	43
Ph.D	10	35	17	30

○ **Employability**

Our graduates have opportunities for getting jobs, in School Education Department, Colleges or Universities level as well as in private sector.

○ **Faculty-Student Ratio**

Faculty		Student Morning	Student Evening	Overall
Type	No.			
Regular	43	1131	1075	2206
Contract	2			
Visiting	20			
Total	65			
Student Teacher Ratio		1:19.41	1:14.30	1:33.72

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY○ **Basic Enrolment**

M.Sc. Coal Technology 65

M. Phil. Coal Technology 36

○ **Gender-wise Detail:**

M.Sc. Coal Technology: Male = 25 Female = 40

M. Phil. Coal Technology: Male = 31 Female = 5

○ **Employability:** About 80%○ **Faculty-Student Ratio:** 1:15



DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

○ **Basic Enrolment (for the year 2015-16 and 2016-17)**

Program	Year of Enrolment	No. of Students
M. Phil Polymer Technology	2011-12	31
	2012-13	21
	2013-14	35
	2015-16	30
	2016-17	21

Program	Year of Enrolment	No. of Students
Ph.D Polymer Technology	2014	21
	2015	16

○ **Equity**

All students in department are enrolled on merit basis as per University/HEC rules and all facilities are provided to them on equity.

○ **Gender-wise Detail (in tabulated form for all programmes) 2015-16 & 2016-17**

Programme	Males	Females	Total
M.Phil Polymer Technology	39	27	66

○ **Employability**

Students getting free after completion of M.Phil Polymer Technology program are getting jobs in Polymer Industries in Pakistan and also got admission in foreign universities of UK, Ireland, Australia and Germany for Ph.D

○ **Faculty-student ratio**

Student Faculty ratio for M.Phil Polymer Technology

Session	No. of Students	No of Teachers	Student Faculty ratio
2015-16	30	07	5:1
2016-17	21	07	3:1

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

○ **Basic Enrollment**

Section 1 (40 Student) and Section 2 (40 Students) Intake (B.Sc. Metallurgy and Materials Engineering)

○ **Equity: Morning (Section 1 &2)**

○ **Gender-wise Detail**

Section-1

1 st Year		2 nd Year		3 rd Year		4 th Year	
M	F	M	F	M	F	M	F
32	6	40	5	36	4	39	6



Section-2

1 st Year		2 nd Year		3 rd Year		4 th Year	
M	F	M	F	M	F	M	F
27	4	31	6	27	3	34	5

- **Employability**

Previous trend shows that average time to find a job is around 4 months. Generally a freshly employed student gets around 25K per month starting salary. Our ex-students are currently working in many government and multinational organizations.

- **Faculty Student Ratio**

Total number of students	378
Total number of dedicated teachers	15
Faculty-student ratio	15:1

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Basic Enrolment**

- 4-years B.Sc Chemical Engineering program enrollment 2016-17

	Applicants	Enrolled
Regular Programme	2021	49
Self-Supporting Programme	979	50

- 2-year M.Sc Chemical Engineering Program enrollment 2016 which is equivalent to MPhil degree. Enrollment is twice a year in fall and other in spring session.

Applicants	Enrolled
259	90

- PhD (Engg.) Chemical Engineering program enrolment 2016

Applicants	Enrolled
05	05

- **Equity**

The student's enrollment programmes offered at the Institute is purely on merit basis. However, there are few reserved seats offered to the students from other provinces (Balochistan, FATA, AJK, KPK and Gilgit Baltistan) of Pakistan. Access to the facilities is provided to the students on equity.

- **Gender-wise detail**

- 4-year B.Sc Chemical Engineering program enrollment 2016-17

	Male	Female
Regular Programme	44	05
Self-Supporting Programme	43	07



- 2-years M.Sc Chemical Engineering Program enrollment 2016-17

Male	Female
76	13

- PhD (Engg.) Chemical Engineering program enrollment 2016-17

Male	Female
04	01

- **Employability**

The graduates of the Institute are serving in industrial sector as well as R & D organizations in Pakistan and abroad. Career Counseling cell is established at Institute level & recruitment drives are been conducted every by different organizations.

- **Faculty-student ratio**

4-year B.Sc Engineering Program and 2-years M.Sc. Engineering Program

Program	B.Sc Engineering	M.Sc Engineering
Student Teacher Ratio	20:1	10:1

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Basic Enrollment:** 43 Students Intake (B.Sc. Electrical Engineering)

- **Equity:** Morning only

- **Gender-wise Detail**

1 st Year		2 nd Year		3 rd Year		4 th Year	
M	F	M	F	M	F	M	F
38	7	33	8	36	7	53	9

- **Employability**

Previous trend shows that average time to find a job is around 4 months. Generally a freshly employed student gets around 25K per month starting salary. Our ex-students are currently working in many government and multinational organizations.

- **Faculty Student Ratio**

Total number of students	191
Total number of dedicated teachers	16+2* (on Study Leave)
Faculty-student ratio	12:1

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Basic enrolment:** Overall 213 students were enrolled in 2016-17 session.

- **Gender-wise detail**

Programme	2016-17		Total
	Male	Female	
BSc Industrial Engineering & Management	26	12	38



MSc Quality & Performance Management	05	04	09
MS Total Quality Management	59	42	101
MS Industrial Engineering & Management	41	08	49
PhD Total Quality Management	-	-	
Certificate/Diploma	06	10	16
Grand Total			213

○ **Employability**

Alumni of this Institute are working in wide range of Industries all over the globe. Some alumni are even teaching in foreign Universities. All the programs have established their relative worth in the job market and Institute focus on improving curriculum as per needs of the employer and on feedback of Alumni.

○ **Faculty-student ratio**

Programme	Faculty-Student Ratio
BSc Industrial Engineering & Management	1:6.69
MSc Quality & Performance Management	1:2
MS Total Quality Management	1:23
MS Industrial Engineering & Management	1:11
PhD Total Quality Management	1:3
Certificate/ Diploma	1:1

Faculty of Islamic Studies

INSITUTE OF OF ISLAMIC STUDIES

○ **Basic enrolment**

- 99 students are studying in M.A. Islamic Studies Part-I & 86 in Part-II and 52 Students are studying in M.A Islamic Studies Self-Supporting Program.
- 30 students are studying at M.Phil level.
- 15 students are enrolled in Ph.D.

○ **Gender-wise Detail**

Sr. No.	Name of Programme	Number of Students	Male	Female
1	M.A. Part-I	104	27	77
2	M.A. Part-II	92	8	84
3	M.A Part-I (Self-Supporting)	59	3	56
4	M.A Part-II (Self-Supporting)	54	9	45
	M.Phil	30	18	12
5	M.Phil Islamic Studies (Specialization Study of World Religions)	Nil	Nil	Nil



	(Self-Supporting)			
6	M.Phil Islamic Studies (Specialization in Islamic Economics) (Self-Supporting)	Nil	Nil	Nil
7	Ph.D.	15	6	9

○ **Faculty-student ratio**

Sr. No.	Name of Programme	Number of Students	Teacher	Ratio
1	M.A. Part-I	104	7	14.85
2	M.A. Part-II	92	7	13.14
3	M.A Part-I (Self-Supporting)	59	7	8.42
4	M.Phil	30	7	4.28
5	Ph.D.	15	6	2.14

SHEIKH ZAYED ISLAMIC CENTRE

○ **Basic enrolment**

BS Islamic Studies 381, M.Phil. 59 and Ph.D.61

○ **Gender-wise Detail**

Classes	Male	Female	Total
BS Islamic Studies	163	218	381
M.Phil. Islamic Studies	23	36	59
Ph.D. Islamic Studies	46	15	61

○ **Employability**

Faculty	Employees	Ratio	Year
7	53	1:7.6	2016-17

○ **Faculty-student ratio**

Faculty	Students	Ratio	Year
7	516	1:74	2016-17

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- **Gender-wise Detail:** Male 1098, Female 203
- **Employability:** After LL.B Degree number of students got opportunity as Civil Judges/Attorneys/Prosecutors etc through open competition
- **Faculty-student ratio:** Teacher 1, Student 25



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Basic enrolment**

Sr. No.	Name of Programme	No. of Seats Per Year
1	Ph.D. in Clinical Psychology	10
2	MS Programme in Clinical Psychology	20
3	MS in Speech & Language Pathology	30
4	Advanced Diploma in Clinical Psychology (Morning)	20
5	Advanced Diploma in Clinical Psychology (Replica)	15
6	BS (Hons.) in Clinical Psychology	31

○ **Gender-wise Detail**

Sr. No.	Name of Programme	Male	Female	Total
1	Ph.D. in Clinical Psychology	2	12	14
2	MS Programme in Clinical Psychology	6	42	48
3	MS in Speech & Language Pathology	4	40	44
4	Advanced Diploma in Clinical Psychology	1	19	20
5	Advanced Diploma in Clinical Psychology (Replica)	-	-	-
6	BS (Hons.) in Clinical Psychology	10	120	130

○ **Employability**

The degree holders are appointed as Clinical Psychologists in different teaching hospitals, Pakistan Army, Private Organizations and different fields in government and private setups.

○ **Faculty – student ratio: 1:16**

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

○ **Basic Enrolment**

Fifty five were enrolled

M.Phil= 45, Ph.D=20

○ **Gender-wise Detail**

2016

M. Phil			Ph.D		
Male	Female	Total	Male	Female	Total
14	32	46	12	12	24

2017

M. Phil			Ph.D		
Male	Female	Total	Male	Female	Total
19	25	44	09	12	21



○ **Employability**

Employability of the graduate from this Centre is applicable to the research, teaching, public / private sectors.

○ **Faculty-Student Ratio**

Number of Faculty Member	Number of Students	Faculty Student Ratio
42	65	1:1.5

DEPARTMENT OF BOTANY

○ **Basic enrolment**

Programme	Students
	2016-17
BS	27
M.Sc.	43
MS	15
M.Phil	14
Ph.D Regular	09
Ph.D old scheme	04

○ **Gender-wise Detail**

All Programmes	Male	Female
Bachelor Morning 1 st Year (1 st – 2 nd Semester)	02	19
2 nd Year (3 rd – 4 th Semester)	01	25
3 rd Year (5 th – 6 th Semester)	00	25
4 th Year (7 th - 8 th Semester)	02	22
Master Morning 1 st Year (1 st – 2 nd Semester)	08	35
2 nd Year (3 rd - 4 th Semesters)	02	38
M. Phil 1 st Year (1 st – 2 nd Semester)	02	11
2 nd Year (3 rd - 4 th Semester)	01	09
MS 1 st Year (1 st – 2 nd Semester)	00	15
2 nd Year (3 rd – 4 th Semester)	02	08
PhD	00	09
Ph.D (Old Scheme)	03	01

○ **Employability**

The students of the Department of Botany, University of the Punjab, Lahore got the job in the various public and government sectors. Many students got scholarship and positions in National and International research organizations.

○ **Faculty-student ratio**

Total Students	Faculty	Ratio
317	21	15.095



DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ Basic enrolment

Programme	Students
BS 2016	37
BS 2017	36
M.Sc. 2016	35
M.Sc. 2017	35
M.S. 2016	16
M.S. 2017	15
M.Phil. 2016	17
M.Phil. 2017	15
Ph.D. 2016	11
Ph.D. 2017	16

○ Gender-wise Detail [in tabulated form for all programmes

2016-17

	Bachelor			Master			M.S/M.Phil			Ph.D.		
Year/Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1 st Semester	04	32	36	0	35	35	5	28	33	5	6	11
2 nd Semester												
3 rd Semester	04	35	39	2	33	35	1	24	25	7	9	16
4 th Semester												
5 th Semester	04	30	34							3	8	11
6 th Semester												
7 th Semester	02	30	32							4	6	10
8 th Semester												
9 th Semester										2	6	8
10 th Semester												
12 th Semester										4	9	13
Sub-Total	14	127	141	2	68	70	6	52	58	25	44	69
Total Students	338											

○ Employability

- The graduate and postgraduates from this department are absorbed in hospitals, diagnostic laboratories , pharmaceuticals, food industry, research organization, universities and education department.
- Provide technical assistance for different instrumentation to sole agents and suppliers
- Our Alumini has also setup their own diagnostic Laboratories in different cities
- Alumini has also hired in international universities and organizations.
- Many students got scholarships and positions in national and international research organizations.



○ **Faculty-student ratio**

Students	Faculty	Ratio
343	29	12:1

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ **Basic enrolment**

▪ BS Physical Education

Total 127 students admitted in BS Physical Education Program during

▪ M.Sc. Physical Education

- Total 70 students enrolled in Morning

- Total 43 Students enrolled in Evening

○ **Gender-wise Detail**

▪ M.Sc. Physical Education

- Morning Male: 34 Female: 36

- Evening Male: 12 Female: 07

▪ BS Physical Education

- Male: 74 Female: 53

○ **Employability**

There is 90% passed out students selected as Lecturer and PET in education department and other working in leading private organizations.

DEPARTMENT OF ZOOLOGY

○ **Basic enrolment**

Regular Scheme (Morning)

	Bachelor			Master			M.Phil/ M.S.			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	8	46	54	-	-	-	-	-	-	-	-	-
Part-II	-	-	-	5	47	52	-	-	-	-	-	-	-	-	-
1 st semester	5	21	26	-	-	-	4	26	30	-	-	-	-	-	-
3 rd Semester	6	21	27	-	-	-	3	27	30	-	-	-	-	-	-
5 th Semester	5	24	29	-	-	-	-	-	-	-	-	-	-	-	-
7 th Semester	3	24	27	-	-	-	-	-	-	-	-	-	-	-	-
Total:	19	90	109	13	93	106	7	53	60	-	-	-	-	-	-

Self Supporting (Evening)

	Bachelor			Master			M.Phil/L.L.M			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	8	56	64	8	22	30				-	-	-
Part-II	-	-	-	7	53	60	19	61	80	-	-	-	-	-	-
Total:	-	-	-	15	109	124	27	83	110	-	-	-	-	-	-



- **Gender-wise Detail**

See 4.3 to 5.1

- **Faculty-student ratio**

Students : Faculty
20 : 1

INSTITUTE OF AGRICULTURAL SCIENCES

- **Basic enrolment**

BS (Hons.) 489
M.Sc. (Hons.) 104
Ph.D. 70

- **Gender-wise Detail**

BS (Hons.) 263 (Male) 379 (Female)
M.Sc. (Hons.) 58 (Male) 62 (Female)
Ph.D. 57 (Male) 53 (Female)

- **Employability**

There is lot of chances for the students to search their jobs in the field of Agriculture and equal opportunities in all other related fields. Now our students are being accepted for all jobs in private and Government organizations.

- **Faculty-student ratio**

BS (Hons.) 1:18
M.Sc. (Hons.) 1:3
Ph.D. 1:3

INSTITUTE OF APPLIED PSYCHOLOGY

- **Basic Enrolment:**

During the academic session 2016-17, the Institute has following basic enrolment:

Program	Enrollment on Open Merit Seats	Enrollment on Reserved Seats	Total Seats
BS (4-Years) Morning	32	09	44
BS (4-Years) Replica	36	01	38
M.Sc. (Morning)	43	07	50
M.Sc. (Replica)	49	01	50
M.Phil Applied Psychology	20	--	20
MS Health Psychology	00	--	20
Ph.D Applied Psychology	09	--	10

- **Equity:**

The equity for male and female students has been observing by the Institute. The admissions in all programs have been offered on open merit, no quota is reserved for male or female in any academic program.



○ **Gender-wise Detail**

The gender-wise detail for the year 2016-17 is as under:-

Program/Class	Semester	Male	Female
BS (4-Years) Morning	Semester-I	04	37
	Semester-III	04	33
	Semester-V	01	41
	Semester-VII	06	32
BS (4-Years) Replica	Semester-I	04	34
	Semester-III	02	33
	Semester-V	00	36
M.Sc. Morning	Semester-I	08	42
	Semester-III	01	36
M.Sc. Replica	Semester-I	04	46
	Semester-III	03	44
M.Phil Applied Psychology	Semester-I	03	17
	Semester-III	03	17
MS Health Psychology	Semester-I	00	00
	Semester-III	03	05
Ph.D Applied Psychology	Semester-I	02	07
	Semester-II		
	Semester-III	01	05
	Semester-IV	01	04
	Semester-V	00	00
	Semester-VI	01	03
	Semester-VII	00	00
	Semester-VIII	00	00
	Semester-IX	00	05
	Semester-X	00	00

○ **Employability**

The detail of regular and contract faculty for the year 2016-17 is as under:-

Category	Regular Faculty		Contract Faculty		Visiting Faculty	
	No. of Males	No. of Females	No. of Males	No. of Females	No. of Males	No. of Females
Professor	Nil	02	Nil	Nil	Nil	01 Prof. Emeritus
Associate Professor	Nil	02	Nil	Nil	Nil	Nil
Assistant Professor	Nil	07	Nil	Nil	Nil	Nil
Lecturers	01	02	Nil	02	02	14



○ **Employment Opportunities for Students**

Our graduates are serving in wider settings, i.e. Universities, Colleges, Special Education Institutes, Hospitals, NGOs, Armed Forces, Pakistan Navy and also as Consultants. Employability is quite high and they are working as academicians, researchers and as private practitioners.

○ **Faculty-Student ratio**

No. of Faculty available	No. of Students as per Enrollment of all Programs/Semesters	Ratio
14	477	1:34

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

○ **Basic enrolment**

Name of Program	Enrolment
BS Biochemistry	38
BS Biotechnology	39
M. Sc. Biochemistry/ Biotechnology	40

○ **Gender-wise Detail**

Regular Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Part-I	1 st	13	64	77	2	38	40	0	0	0	0	0	0
Part-II	3 rd	4	41	45	3	27	30	4	26	30	9	15	24
Part-III	5 th	6	49	55	0	0	0	0	0	0	5	15	20
Part-IV	7 th	13	71	84	0	0	0	0	0	0	2	5	7
Sub-Total (i)		36	225	261	5	65	70	4	26	30	16	35	51

Self-support Program Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Part-I	1 st	0	0	0	0	0	0	0	0	0	0	0	0
Part-II	3 rd	15	70	85	0	0	0	0	0	0	0	0	0
Part-III	5 th	0	0	0	0	0	0	0	0	0	0	0	0
Part-IV	7 th	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total (ii)		15	70	85	0	0	0	0	0	0	0	0	0
Total (i + ii)		51	295	346	5	65	70	4	26	30	16	35	51



○ **Employability**

Majority of the students prefer to go in industry, teaching and research. Few opt for Govt. Departments.

○ **Faculty-student ratio**

Class	Regular Faculty	Students	Teacher Students ratio
BS	28	346	1:12
M. Sc.	12	70	1:6
MS	10	30	1:3
PhD	7	20	1:3

SCHOOL OF BIOLOGICAL SCIENCES

○ **Basic enrolment**

Ph.D. Students 2016

S #	Roll No.	Students Name
01.	SBS-1601	Samia Falak
02.	SBS-1602	Komal Yasmin Malik
03.	SBS-1603	Umara Shehzad
04.	SBS-1604	Hafiza Idrees
05.	SBS-1605	Hamayun Arshad
06.	SBS-1606	Saima Arif
07.	SBS-1607	Sheereen Gul
08.	SBS-1608	Maryam Saeed
09.	SBS-1609	Syeda Ume Habiba
10.	SBS-1610	Asmara Imtiaz
11.	SBS-1611	Kokab Farooq
12.	SBS-1612	Faiza Asghar
13.	SBS-1613	Ammara Mouzzam
14.	SBS-1614	Fayqa Komal

○ **M.Phil Students**

2016

S #	Roll No.	Students Name
1	SBS-1615	Rida Khalid
2	SBS-1616	Mehak Shahid
3	SBS-1617	Syeda Sadia Bukhari
4	SBS-1618	Sitara Nasar
5	SBS-1619	Memoona
6	SBS-1620	Maria Sohail Butt
7	SBS-1621	Azka Asif
8	SBS-1622	Tabassum Yousaf
9	SBS-1623	Anam Iftikhar
10	SBS-1624	Rabia Mukhtar
11	SBS-1625	Mahnoor Imran



12	SBS-1626	Usman Shah Gilani
13	SBS-1627	Saira Ahmad
14	SBS-1628	Samrah Munir
15	SBS-1629	Arisha Rasheed
16	SBS-1630	Sidra Noreen
17	SBS-1631	Hina Khalid
18	SBS-1632	Sidra Saeed
19	SBS-1633	Tamanna Muqaddas
20	SBS-1634	Sara Ajmal
21	SBS-1635	Maida Bashir
22	SBS-1636	Tehreem Munir
23	SBS-1637	Usman Shameel
24	SBS-1638	Rabia Rafique
25	SBS-1639	Muhammad Shahjahan

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Basic enrolment**

Programme	2016-17
M. Phil	23
Ph.D	4

○ **Equity**

All admissions were offered purely on open merit

○ **Gender-wise Details**

Programme	2016-17	
	Male	Female
M. Phil	3	20
Ph.D	1	3

○ **Employability**

CAMB has passed out its first batch of 27 students of M.Phil session (2015-17). Out of these, some have been employed in various public and private sectors, two students got foreign Ph.D scholarship and remaining have been accommodated in Ph.D admissions locally.

○ **Faculty-student ratio:**

Programme	2016-17		
	Student	Teacher	Ratio
M. Phil	23	8	1:3
Ph.D	4	2	1:2



Faculty of Oriental Learning

DEPARTMENT OF ARABIC

- **Basic enrolment**
Total Enrolled Students = 222
- **Gender-wise Detail**
Male = 98, Female = 124
- **Employability**
Faculty-student ratio
1 Teacher = 23 Students

DEPARTMENT OF HINDI LANGUAGE

There were 10 students enrolled in the Diploma in Hindi Language

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- **Basic enrolment**
 - 03 students are admitted in M.Phil Kashmiryat Part-I
 - 11 students are admitted in M.A Kashmiryat Part-I
- **Gender wise Detail**

Programs	Session	Male	Female
M. A. Kashmiryat	2016-17	09	02
M.Phil Kashmiryat	2016-17	01	02

- **Employability**
Can adjust in different projects regarding Kashmir especially water resources.
- **Faculty Student Ratio**

Faculty of Kashmiryat	Student Ratio
05 Ph.D Teachers	27

DEPARTMENT OF PERSIAN

- **Basic enrolment**
23 students are admitted in M.A Persian Part-I for the Year 2016
19 students are admitted in M.A Persian Part-I for the Year 2017
30 students are admitted in M.Phil Persian (Fall Session) in 2016
15 students are admitted in M.Phil Persian (Fall Session) in 2017
15 students are admitted in Ph.D Persian (Fall Session) in 2017

- **Gender wise Detail**

Programs	Male	Female
M.A Persian Part-I Session 2017-19	12	11



M.A Persian Part-II Session 2016-18	13	10
M.Phil Persian Part-II (2016-2018 Fall Session)	10	19
M.Phil Persian Part-I	03	15
Ph.D Persian 2009-14	1	-
Ph.D Persian 2011-16	None- Admission	
Ph.D Persian 2012-17	01	05
Ph.D Persian 2014-19	None- Admission	
Ph.D Persian 2015-2020	5	5
Ph.D Persian 2016-2021	5	1
Ph.D Persian 2017-2022	6	9

○ **Faculty Student Ratio**

Faculty of Persian	Student Ratio
09 Ph.D Teachers	

DEPARTMENT OF PUNJABI

○ **Basic enrolment (2016-17)**

- 26 students are admitted in M.A Punjabi Part-I for the Year 2016-17
- 43 students are admitted in M.A Punjabi Part-I, 13 students in M.Phil and 8 students in Ph.D for the Year 2017-18

○ **Gender wise Detail**

Programs	Male	Female
M.A Punjabi 2016-17	17	09
M.Phil Punjabi 2016-17	05	06
Ph.D Punjabi 2016-17	03	02

○ **Faculty Student Ratio**

Faculty of Punjabi	Student Ratio
05 Ph.D Teachers	55

DEPARTMENT OF URDU

○ **Gender wise Detail**

Programs	Male	Female
M.A Urdu 2016-2017	41	27
M.Phil Urdu 2016-2017	13	13
M.A Urdu 2015-16	32	38
M.Phil Urdu 2014-16	12	19
M.Phil Urdu 2015-16	18	17
Ph.D Urdu 2010-16	07	09
Ph.D Urdu 2012-17	06	05
Ph.D Urdu 2013-18	03	05
Ph.D Urdu 2014-19	12	08



○ **Faculty Student Ratio**

Faculty of Urdu	Student Ratio
06 Ph.D Teachers and	280

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

○ **Gender-wise Detail**

▪ Pharm.D Morning Class

Year	M	F	Total
1st Prof	32	131	162
2nd Prof	38	121	159
3rd Prof	22	100	122
4th Prof	31	93	124
Final Prof	23	89	112
Sub-Total	146	534	679

▪ Pharm.D Evening Class

Year	M	F	Total
1st Prof	49	100	149
2nd Prof	28	102	130
3rd Prof	24	102	126
4th Prof	19	96	115
Final Prof	14	86	100
Sub-Total (ii)	134	486	620

▪ M.Phil Regular Morning

	M	F	Total
Ist Semester	14	42	56
2nd Semester	18	37	55
3 rd Semester	15	48	63
Total	47	127	174

▪ M.Phil Self Supporting

	M	F	Total
Ist Semester	18	25	43
Total	18	25	43



- Ph.D

	M	F	Total
1st year	6	13	19
2nd year	9	26	35
3 rd year	10	6	16
4 th year	8	2	10
5 th year	10	6	18
Total	43	53	96

- **Gender-wise Detail**

- Pharm.D Morning Class

Year	M	F	Total
1st Prof	41	142	162
2nd Prof	41	119	160
3rd Prof	20	97	117
4th Prof	37	95	132
Final Prof	36	109	145
Sub-Total	175	562	716

- Pharm.D Evening Class

Year	M	F	Total
1st Prof	50	104	149
2nd Prof	31	105	136
3rd Prof	24	100	124
4th Prof	24	106	130
Final Prof	16	91	107
Sub-Total (ii)	145	506	646

- M.Phil Regular Morning

	M	F	Total
2nd Semester	11	36	47
Total	11	36	47

- M.Phil Self Supporting

	M	F	Total
1st Semester	24	39	63
2 nd Semester	15	25	40
3 rd Semester	18	37	55
Total	57	101	158



○ **Employability**

The College graduate have good employability. The graduate of the College are serving locally as well as internationally.

○ **Faculty-student ratio**

■ Pharm-D (Morning Class)

Teachers	Students	Ratio
34	636	18.71

■ Pharm-D (Evening Class)

Teachers	Students	Ratio
34	573	16.85

■ M. Phil

Teachers	Students	Ratio
34	111	3.26

■ Ph.D

Teachers	Students	Ratio
12	98	7.53

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

○ **Basic enrolment**

Sr. No.	Name of Program	No. of Seats
1	M.Phil. Solid State Physics	Total: 30 Merit: 30 Reserve: 0
2	M.Phil. Microelectronic Engineering & Semiconductor Physics	Total: 17 Merit: 17 Reserve: 0
3	MS. Nanotechnology	Total: 13 Merit: 13 Reserve: 0
4	Ph.D.	Total: 5 Merit: 5 Reserve: 0



○ **Gender-wise Detail**

Sr. No.	Session	Programme	Gender Wise		Total
			Male	Female	
1	2015-17	M.Phil. Solid State Physics	13	12	25
	2016-18		15	10	25
	2017-19		16	11	27
2	2015-17	M.Phil. Microelectronic Engineering & Semiconductor Physics	6	11	17
	2016-18		6	11	17
	2017-19		11	6	17
3	2015-17	MS. Nanotechnology	3	8	11
	2016-18		7	4	11
	2017-19		8	5	13
4	2014-2019	Ph.D.	6	4	10
5	2015-2020		3	4	7
6	2016-2021		3	3	6
7	2017-2022		3	6	9

○ **Employability**

These graduates are being employed by Education departments, R&D departments and some go for Ph.D.

○ **Faculty-student ratio**

Sr.	Teacher	Students
1.	13 Teachers	10 students per teacher

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Basic Enrolment**

▪ M.Sc. (Morning)	52
▪ M.Phil. (Morning)	38
▪ Ph. D.	19

○ **Gender -wise Detail**

Program	Male	Female
M.Sc. (Morning)	23	29
M.Phil. (Morning)	20	18
Ph. D.	16	3
Total	59	50
G. Total	109	



○ **Employability**

The Centre's graduates are highly demanding and are employed in national and international organizations both in public and private sectors. These organizations include:

- Water and Power Development Authority (WAPDA)
- Pakistan Council of Research in Water Resources (PCRWR)
- International Water Management Institute (IWMI)
- Climate Change, Alternate Energy and Water Resources Institute (CAEWRI), NARC, Islamabad.
- Pakistan Agriculture Research Council (PARC), Islamabad.
- Soil Conservation Department
- Pakistan Tourism Development Cooperation
- Sustainable Tourism Foundation of Pakistan
- Urban Unit Department
- Environment Protection Agency
- Forest Department
- Pakistan Meteorological Department
- Soil Survey of Pakistan
- Survey of Pakistan
- Universities/colleges in Pakistan
- Consulting firms/NGOs as NESPAK, ACE, PES, NDC, WFF and others

○ **Faculty-Student Ratio**

No. of Faculty	No. of Students	Ratio
5	109	1:22

CENTER FOR UNDERGRADUATE STUDIES

○ **Basic Enrollment (2016-17)***

Discipline	Students
BS (4 Years) Botany	23
BS (4 Years) Chemistry	60
BS (4 Years) Statistics (M)	55
BS (4 Years) Statistics (E)	52
BS (4 Years) Zoology	24

○ **Gender-wise details**

Discipline	Male	Female
BS (4 Years) Botany	2	21
BS (4 Years) Chemistry	12	48
BS (4 Years) Zoology	4	20
BS (4 Years) Statistics (M)	6	49
BS (4 Years) Statistics (E)	8	44

*Students complete two years or four semesters at this Centre. Basic enrollment lies with each Department/Institute/College.



○ **Employability**

Category	Number
Admin Officer	1
Librarian	1
Assistant	1
Senior Clerk	1
Senior KPO	1
Junior KPO	1
Junior Clerk	1
Lab Attendant	3
Store Keeper	1
Naib Qasid	1
Plumber	1
Farash	2
Khakroob	3
Driver	1

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **Basic Enrolment**

Basic student enrollment at the College of Earth and Environmental Sciences in various degree programs during the academic session 2016-2017 is as detailed below:

Sr. No.	Degree Program	Total Enrollment
1.	BS Environmental Sciences (Morning & Evening)	286
2.	M.Sc. Applied Hydrology (Morning)	40
3.	M.Sc. Tourism & Hospitality Management (Morning & Evening)	86
4.	M.Sc. Environmental Sciences (Evening)	36
5.	MS / M.Phil. Environmental Sciences	80
6.	PhD Environmental Sciences	56
7.	M.Phil. Applied Hydrology	30
8.	PhD Applied Hydrology	17
9.	M.Phil. Geomatics	50
10.	PhD Geomatics	15

○ **Gender-wise Detail**

Program / Discipline		No. of students	
Class/Discipline/Program		Male	Female
BS Morning:	1 st Semester	10	23
	3 rd Semester	07	33
	5 th Semester	05	31
	7 th Semester	05	23



Program / Discipline	No. of students	
BS Evening: 1 st Semester	10	38
3 rd Semester	03	29
5 th Semester	15	17
7 th Semester	11	26
MSc Applied Hydrology: 1 st Semester	06	13
3 rd Semester	03	18
MSc Tourism & Hospitality Management (Morning): 1 st Semester	20	06
3 rd Semester	19	07
MSc Tourism & Hospitality Management (Evening): 1 st Semester	29	05
3 rd Semester	00	00
M.Sc. Environmental Sciences (Evening): 1 st Semester	15	21
3 rd Semester	00	00
MS Environmental Sciences: 1 st Semester	04	36
3 rd Semester	30	10
Ph.D. Environmental Science 1 st Semester	00	10
3 rd , 5 th , 7 th , 9 th , 11 th , 13 th Semester	10	36
MPhil Applied Hydrology: 1 st Semester	07	08
3 rd Semester	03	12
Ph.D. Applied Hydrology 1 st Semester	01	06
3 rd , 5 th , Semester	04	06
MPhil Geomatics: 1st Semester	15	10
3rd Semester	13	12
PhD Geomatics 1st Semester	05	00
3rd, 5th, Semester	06	04

○ **Employability**

1. Environmental Protection Department (EPD)
2. WAPDA, Pakistan
3. PCRWR
4. SNGPL, Pakistan
5. Lahore Waste Management Company
6. Environmental Protection Department
7. Health & Safety Sector of Pakistan & UAE
8. WAPDA
9. Forest Department
10. WWF Pakistan



11. Research Organizations
12. Universities having Environmental Sciences Department
13. Hotels/Resorts in Pakistan & UAE
14. Industrial Organization

○ **Faculty-Student Ratio**

Ph.D 1:5

M.Phil 1:10

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **Basic enrolment: 1289**

○ **Gender-wise Detail**

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	9	48	7	41	8	45	14	50
Replica	12	52	20	44	-	-	-	-
Evening	-	-	-	-	-	-	-	-

▪ Master Degree

	1 st Year		2 nd Year	
	M	F	M	F
MORNING				
M.Sc. Statistics	13	47	12	49
M.Sc. Actuarial Science	20	35	18	33
REPLICA				
M.Sc. Statistics	20	46	11	34
M.Sc. Actuarial Science	16	9	20	8
EVENING				
M.Sc. Biostatistics	8	2	4	23
MIOM (2 sections)	17	11	42	31
MBSM (2 sections)	42	61	44	61

▪ M.Phil Degree

	1 st Year		2 nd Year	
	M	F	M	F
Regular	8	31	4	21



▪ **Ph.D. Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year		6 th Year	
	M	F	M	F	M	F	M	F	M	F	M	F
Regular	3	6	3	-	2	3	2	7	5	2	1	4

○ **Employability**

Presently, exact data is not available, however, 30 – 40 percent of passed out graduates hunted the jobs.

○ **Faculty-student ratio**

No. of Faculty	No. of Students	Ratio
19 + 33 = 52 (Permanent / Contract & Visiting)	1289	1:25

DEPARTMENT OF GEOGRAPHY

○ **Basic enrolment:** 342

○ **Gender-wise Detail**

Sr. No.	Programme	Male	Female	Total
1.	BS	88	85	173
2.	M.Sc.	34	55	89
3.	M.Phil	19	50	69
4.	Ph.D.	2	9	11

○ **Employability**

The graduates of this department are being accommodated in various government as well as non- government organizations like education department, Census of Pakistan, Survey of Pakistan, WWF, research organizations and can perform well in PCPSC, FCPS, Urban Unit, competitive examination held by the federal and provincial governments.

○ **Faculty-student ratio**

No. of Faculty Member	No of Students	Ratio
8	342	42.75

DEPARTMENT OF MATHEMATICS

○ **Basic enrolment:** 513

○ **Gender-wise Detail**

Level of Education	Male	Female
Bachelor Morning 1 st Year (1 st Semester)	11	23
2 nd Year (3 rd Semester)	06	26
3 rd Year (5 th Semester)	07	25
4 th Year (7 th Semester)	10	22



Master Morning [Includes executive courses as well] 16 years of Education:1 st Year	17	51
2 nd Year (3 rd Semester)	22	47
Master Evening 1 st Year	50	32
2 nd Year	44	30
M. Phil. 1 st Year(1 st Semester)	19	24
2 nd Year (3 rd Semester and 4 th)	04	08
Ph.D. 1 st Year (1 st Semester)	-	04
Already enrolled	10	21

○ **Employability**

Sixteen (18) Teaching Faculty members.

Twenty one (25) Non-teaching staff.

○ **Faculty-student ratio**

Faculty	Students
18	513

DEPARTMENT OF PHYSICS

○ **Gender-wise Detail**

▪ **Bachelor Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	32	13	25	17	18	14	23	07
Replica	-	-	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

▪ **Master Degree**

	1 st Year		2 nd Year	
	M	F	M	F
MORNING	20	37	23	37
M.Sc. Physics				
REPLICA	-	-	-	-
M.Sc. Physics	Nil			
EVENING	-	-	-	-
M.Sc. Physics	Nil			

▪ **M.Phil Degree**

	1 st Year		2 nd Year	
	M	F	M	F
Regular	10	15	05	20
Replica Afternoon Programme	13	11		



▪ **Ph.D. Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year	
	M	F	M	F	M	F	M	F	M	F
Regular	7	5	4	2	6	6	3	2	1	1

○ **Employability**

On average, 70% of the passing out graduates hunted their jobs after successfully completing their respective degrees.

○ **Faculty-student ratio**

No. of Faculty	No. of Students	Ratio
16+1=17 (Permanent & Contract)	377	22.17
16+12=27 (Permanent, Contract & Visiting)	377	13.96

DEPARTMENT OF SPACE SCIENCE

○ **Basic enrolment**

BS: 32, M.Sc:25, M.phil:24,24

○ **Gender-wise Detail**

Male: 51, Female: 53

INSTITUTE OF CHEMISTRY

○ **Basic enrolment**

- Students are enrolled different disciplines. Following are the discipline in which admission of student takes place once in the year.

- BS (4 years)
- MS
- M.Sc Morning (2 years)
- M.Sc Evening (2 years)
- M.Phil (2 years)
- Ph.D

- Admissions in M. Phil (2 years) are conducted two times in the year. Following is the gender wise details of the students enrolled in the last admissions.

No. of Students Enrolment by Sex and Year for Academic Session 2016-17

• **Bachelor (BS) Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	13	45	08	46	08	50	07	49



- Master (M.Sc) Degree

	1 st Year		2 nd Year	
	M	F	M	F
Morning	07	64	11	61
Evening	25	59	22	61

- M. Phil Degree

	1 st Year		2 nd Year	
	M	F	M	F
Regular	33	74	28	63

- Ph.D Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year	
	M	F	M	F	M	F	M	F	M	F
Regular			04	15	10	12	09	13	16	24

No. of Students Qualified/Passed by Sex (ACE)

Program		No. of students			
		Appeared		Passed	
		M	F	M	F
Bachelor	Morning	09	35	08	33
Master	Morning	13	61	12	61
	Evening	26	56	25	50
M. Phil		03	26	02	26

- Gender-wise Detail

No of students	Male	Female
	201	636

There is huge market of jobs is opened for the passing out students of the Institute of Chemistry. Students may opt their professional career as teaching organization as well as in industries.

Table for teacher to students' ratio

No of Teacher	No of Students
28	837

INSTITUTE OF GEOLOGY

- Basic Enrollment

Sr. No	Name of Program	No. of Students Enrolled in 2016-17		Total Number of Students		
		Male	Female	Male	Female	Total
1	B.S. Applied Geology (Morning)	36	15	151	30	181
2	B.S. Applied Geology (Replica)	46	6	120	12	132
3	M.Phil Applied Geology	30	2	64	3	67
4	PhD Applied Geology	-	-	7	3	10
TOTAL:		112	23	342	48	390



○ **Employability**

Graduate of the Institute of Geology have been employed in following public and private sector organizations in the country and abroad.

- Educational Institutes, Universities and Colleges.
- Pakistan Atomic Energy Commission.
- Geological Survey of Pakistan.
- Oil and Gas Development Corporation.
- Hydrocarbon Development Institute of Pakistan.
- National Engineering Services of Pakistan.
- Water and Power Development Authority (WAPDA).
- Meteorological Department of Pakistan
- Pakistan Mineral Development Corporation.
- Punjab Mineral Development Corporation
- Water & Sanitation Agency L.D.A.
- Road Research Laboratories.
- Azad Kashmir Mineral Development Corporation.
- Pakistan Council for Scientific and Industrial Research.
- Soil Survey of Pakistan.
- Gemstone Corporation of Pakistan.
- Resource Development Corporation.
- Frontier Works Organization.
- Pakistan Steel Mill.
- State Cement Corporation
- Ministry of Natural Resources
- Museum of Natural History.
- Industrial Development Finance Corporation.
- Regional Development Bank of Pakistan.
- EMCO
- Ravi Glass
- Pakistan Oil Field.
- OxidentalPakistan.
- Pakistan Petroleum Ltd.
- Union Texas of Pakistan.
- Associated Consulting Engineers.
- Directorate of Land Reclamation.
- PunjabLand Utilization Authority.
- Dams Safety Organization.
- Hydrogeology (WAPDA).
- Hydrogeology Directorate.



- Hydrology and Research.
 - Pakistan Council of Research in Water Resources.
 - Cone Drill.
 - Bone Master.
 - Rock Well.
 - Schlumberger International.
 - Mathtach International.
 - LASMO Oil Pakistan Limited.
 - Geo-Consultants Association
- **Faculty Students Ratio:** 22:01

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Basic enrolment**
3015 Total Enrolment of all programs
- **Gender-wise Detail**
- Students Enrollment (Morning)

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Fall 2017	249	88	337	23	28	51	52	44	96	6	5	11
Spring 2017	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2016	198	94	292	22	33	55	44	30	74	6	4	10
Spring 2016	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2015	241	115	356	--	--	--	--	--	--	7	7	14
Spring 2015	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2014	274	103	377	--	--	--	--	--	--	5	1	6
Spring 2014	--	--	--	--	--	--	--	--	--	--	--	--
Sub-Total (i)	962	400	1362	45	61	106	96	74	170	24	17	41

- Self-supporting Program (Afternoon)

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Fall 2017	263	77	340	34	19	53	--	--	--	--	--	--
Spring 2017	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2016	208	74	282	30	20	50	--	--	--	--	--	--
Spring 2016	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2015	232	68	300	--	--	--	--	--	--	--	--	--
Spring 2015	--	--	--	--	--	--	--	--	--	--	--	--



Fall 2014	234	77	311	--	--	--	--	--	--	--	--	--
Spring 2014	--	--	--	--	--	--	--	--	--	--	--	--
Sub-Total (ii)	937	296	1233	64	39	103	--	--	--	--	--	--

▪ **Total Students Enrolment (Morning & Afternoon)**

	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Total (i)	962	400	1362	45	61	106	96	74	170	24	17	41
Total (ii)	937	296	1233	64	39	103	--	--	0	--	--	--
GRAND TOTAL	1899	696	2595	109	100	209	96	74	170	24	17	41

○ **Employability**

Our enriched and balanced curriculum enables our graduates to meet the changing needs of employers. Every year, more than 50% of our graduates were hired before the end of their degree.

○ **Faculty-student ratio**

Degree Programs	No. of Students	Student Teacher Ratio
BS	2595	43:1
M.Sc.	209	3:1
M. Phil/PhD	211	3:1

SCHOOL OF PHYSICAL SCIENCES

○ **Basic enrolment**

Different researchers, faculty members & postgraduate students come to SPS to use state of the art equipments in their research projects. School of Physical Sciences is also planning to start its own admission in M. Phil & PhD in the fields of Chemistry, Biochemistry and Physics in upcoming years.

○ **Equity**

Students and researchers are allowed to use resources of School of Physical Sciences without any gender discrimination, race and cast.



Punjab University Gujranwala Campus

- **Basic enrollment:** 3273

- **Gender-wise detail:**

Male: 1729, Female: 1544

	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
BBA (Hons) B & F	28	26	19	6
BBA (Hons)	137	238	189	137
MBA (Hons) 1.5 Year	51	50	-	-
B.Com. (Hons)	231	156	249	89
M.Com (Hons) 1.5 Year	28	29	-	-
M.Com. 3.5 Year	57	137	64	90
MPhil Commerce	9	10	-	-
PhD Commerce	13	3	-	-
MA English	9	41	4	4
BS. IT	149	153	211	89
MSc IT	12	89	18	84
LL.B 3 Year	124	59	85	36
LL.B 5 Year	42	18	-	-
Total	890	1009	839	535

- **Employability**

All the programmes at the Gujranwala Campus are professional in nature and most of the passed out students (male and female) are working at executive positions in certain national and multinational organizations.

- **Faculty Student Ratio:** One teacher for 26 students

Punjab University Jhelum Campus

- **Basic enrollment:** 399 (M) 355 (A)=754

- **Gender-wise detail:**

Male: 208 (M) 215(A)

Female: 191 (M) 135(A)

Programmer	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
Computer Science BS(CS) 4 Years Program (8 semesters)	51	39	60	30
BBA (Hons) 4 Years Program (8 semesters) Business Administration	45	45	70	20



Commerce B.Com (Hons) 4 years program (8 semesters)	46	41	60	20
BS Management 4 Years Program (8 semesters)	10	40	25	40
LL.B 5 Year semester system Law 3 Year Annual Program	56	26	25	25
Total				

○ **Employability**

All the programmes at the Jhelum Campus are professional in nature and most of the passed out students (male and female) are working at executive positions in certain national and multinational organizations.

○ **Faculty Student Ratio:** one teacher for 89 students



Chapter

6

UNIVERSITY BUILDING ECONOMIES

- *University-Industry Linkage/Collaboration*
- *New Initiatives*
- *Technology Incubation Centre*
- *Patents*
- *Internship and Placement Office*
- *Student Counseling and Career Guidance*



CHAPTER 6

University Building Economies

Faculty of Arts & Humanities

COLLEGE OF ART & DESIGN

○ **Internship and Placement Office**

Internship is offered as requirement of the degree of BFA and MFA in a number of organizations both in Public and Private Sector such as:

- Lahore Zoo
- Hospitals
- Newspapers
- Government Sector
- NGOs

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

○ **University- Industry Linkages/ Collaboration**

St. Andrews University, Scotland.

PAKISTAN STUDY CENTRE

○ **University-Industry Linkage**

The Centre is trying to play a more effective role in the promotion of academic and research collaboration with other universities, Pakistan Study Centres and other institutions. The Centre has established linkages with scholars and academicians of national and international repute.

○ **Student Counseling & Career Guidance**

The Centre has been in contact with Punjab University's Student Counseling and Career Guidance Centre.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ **University – industry linkage/ collaboration**

- Services offered under Research Wing of the French Department

- Translation Desk – linking Academia with Industry

The services offered under the Research Wing's Translation Desk of the French Department are practically providing direct linkage of French Studies with Industry and Contemporary Society. For example the introductory and explanatory literature of Qarshi Industries' pharmaceutical products was translated in French by Translation Experts of the French Department.



- Research Projects designed to link French Studies with Market & Industry:
Final term thesis work and Research projects conducted at the French Department are designed especially with a view to link the domain of French Studies with the contemporary needs of Market and Industry. In a dual approach, the graduating student is also groomed to start his professional career and offer his services in a variety of areas, ranging from Education to Management, Business and Corporate Sector, and from Mass Communication to Social, Cultural and Anthropological Studies.
- **New Initiatives**
 - **Teacher-Assistants** were nominated for the first time at the Department and were assigned responsibilities to assist the Teacher on one hand, and to learn the art of delegation, collaboration and coordination at various levels. This initiative proved fruitful in creating a better bonding and a team spirit in class.
 - **French Department's Faculty Group** was created on Social Media to ensure prompt coordination among Faculty and for instant sharing of office memos and notifications, reminders, class schedules, exam date sheet, etc.
- **Internship and placement office**
The Department also trained a group of interns sent under Prime Minister Youth Training Scheme. Those with an excellent performance during their internship period were also recruited at the end of their internship period on the basis of their commitment and dedicated work.
- **Student counseling and career guidance**
The department is providing good student counseling and career guidance services through Students Advisors. The two faculty members were given this responsibility to provide quality and authentic information and guidance and to solve students' problems related to everyday life issues. Ms. Sabrina Rassool was Student Advisor for BS (hons) program and Ms. Saira Riaz was Student Advisor for Master program. In view of the grooming required for the young teenager students of the Department, the Department initiated Parent Teacher meeting sessions to discuss the academic performance and intellectual progress of the students with their parents. This initiative was well appreciated by the parents and they thanked the departmental administration for taking them on board over various aspects of their children's curricular and extra-curricular activities.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **University-Industry Linkage / Collaboration**
Continuously in contact with the public and private sector demands. Awareness raising seminars, conference and conducting research on the women & gender current issues on women & gender.



- **Technology Incubation Centre**

30 computers having 24 hours internet facility

- **Internship and Placement Office**

Internships: Students internship at women and gender development GOs and NGOs is an in-built component of the degree programme. Each year about 90 students are sent for two months internship in around 30 NGOs/GOs working for women/gender development.

INSTITUTE OF COMMUNICATION STUDIES

- **Internship and placement Office**

Institute of Communication Studies offer an extensive program for internship more than 200 students gets training as an internee in the leading media and corporate organization of Pakistan.

- **Students Counseling and Career Guidance**

The function of students counseling and career guidance is performed by the coordinator of the programs. Owing to their proper guidance students get good jobs in field. Mr. Fahad Mahmood, Assistant Professor is a focal person.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **University Industry Linkage**

MoU has been signed between University of the Punjab and Pakistan Poverty Alleviation Fund on the initiative of Institute of Social & Cultural Studies. ISCS assumes the role of representative of the university and manages the activities regarding the signed MoU. A MoU with NESPAK and WAPDA has also been finalized.

- **Internship and Placement Office**

Internship of students is an in-built component of the curriculum taught in all the department of ISCS. This year almost 600 students were placed on internships in different national (Public and Private) as well as international organizations concerning their relevant field.

- **Student Counseling and Career Guidance**

There is a regular activity of providing counseling to students by the permanent faculty at the ISCS. Special seminars have also been organized, inviting experts from the field for providing career guidance to students.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

University – Industry Linkage

We have strong College – Industry Linkages. We believe in gown town relationship. We have collaborated with Insurance Association of Pakistan/Local/Banks/Stock Exchange/Financial Institutions. Social Service Organization / Professional Training Institute.



- **New Initiatives**

We have taken new initiative to initiate MOUs with some Industrial Group, Banking, Insurance and Corporate Sectors for seeking their assistance in improving our educational system.

- **Internship and Placement Office**

We have institutionalized arrangements for internship and Placement of our graduates. We facilitate participants regarding their Internships in relevant field of study.

- **Student Counseling and Career Guidance:**

Continuous students Counseling and Career Guidance is being provided by various faculty members of our College. This has proved to be very helpful. All faculty members have displayed Students' counseling hours on notice board and their offices doors are open to facilitate the students for solution to academic issues.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **New Initiatives**

Liaison with industrial sector in future particularly for Business Economics

- **Internship and Placement Office**

Students of Master in Business Economics have to complete an internship program by the end of their session to complete the requirement of the degree. They are referred by the department to various multi-national companies and banks.

DEPARTMENT OF INFORMATION MANAGEMENT

- **New Initiatives**

Motivational speakers are regularly invited for students.

INSTITUTE OF ADMINISTRATIVE SCIENCES

- **Corporate Linkages & Community Service**

At national level, we have linkages with major national and multinational organizations in order to have our graduates placed in professional organizations and create internship and placement opportunities for students enrolled in different programs. We regularly conduct Campus Recruitment Drives and Career Fairs. In addition, IAS and its faculty have a membership of several international and national professional bodies such as American Association of Public Administration (ASPA), Academy of Management (AoM), British Academy of Management (BAM) and COBRA Network of European Group of Public Administration, UNICEF Pakistan and Punjab Economic Research Institute (PERI).



- Internships: IAS has a very resourceful office of Career Advisory & External Linkages (CAEL). It provides internship opportunities to Masters and BS students in various public, private and civil society organizations. Besides this, it also provides the students with career opportunities in numerous organizations and conduct door step student recruitment sessions to facilitate both students as well as professional organizations.
- Organizational Visits: Our students regularly visit professional organizations to get an insight of their professional practices to relate theory and practice and to strengthen the organization and university linkage. Recently, students have visited Nestle, Emirates Logistics Pvt. Ltd, Stylo Pvt. Ltd, Coca-Cola Icecek (CCI), and Kansai Paints.
- Examination Section: IAS has a well-managed and active examination section, which deals with the examination related matter for all semesters (Regular/Replica/Evening), manage result declaration, viva arrangements, issue transcripts and other studentship related letters. It also deals with different organizations/banks etc. for studentship verification of their employees. IAS examination section arranges IAS Graduation Ceremony for the recently passed graduates.
- Endowment Trust and Scholarships: IAS provides credence to the deserving and qualified students by assisting them financially to live up their dreams for achieving good quality higher education. The institute has launched many scholarships and financial assistance programs based on need cum merit basis. The institute ensures the provision of these services on non-discriminatory and Equal Opportunity (EO) basis. A large number of IAS Alumni members contribute to these scholarships, funds and the trust Professor Dr. Mohammad Afzal Education Trust, IAS. These are as follows:

Regular Programs	Self- Supporting Program
<ul style="list-style-type: none"> ▪ Merit Scholarship ▪ Needy Scholarship ▪ HEC Need Based Scholarship ▪ PEEF Scholarship ▪ Somitomo Scholarship ▪ Friends Education Fund ▪ Regional and District Scholarships ▪ Prof. Dr. Masood Aslam Scholarship 	<ul style="list-style-type: none"> ▪ Merit Scholarship ▪ Student Welfare Fund ▪ HEC Need based Scholarship ▪ PEEF Scholarship ▪ Dr. Afzal Education Trust

- Gold Medal: IAS honors first position holders(s) of BS (Hons.) Management program with Prof. Dr. A.R. Jafri Gold Medal. Besides this, Prof. Dr. Muhammad Afzal Gold Medal is given to the position holder(s) of Master of Human Resource Management program.
- Sports: IAS also focuses upon the physical development of the students. It arranges annual Sports Gala and encourages students to participate in sports.
- Total Scholarships awarded
 - Total Merit Scholarship Allocated = 83
 - Total Needy Scholarship Allocated = 81
 - PEEF Scholarship Holders = 26
 - Financial Assistance for Self-support Students = 24



INSTITUTE OF BUSINESS ADMINISTRATION

○ **Business Incubation Centre (BIC)**

Business Incubation is a business support process that accelerates the successful development of start-up and fledgling companies by providing entrepreneurs with an array of targeted resources and services. The Business Incubation Center (BIC) operated under ORIC has been successfully transferred to Institute of Business Administration (IBA) on March 29, 2016. Successful establishment of BIC will help small businesses by helping them to survive and grow through the difficult and vulnerable early stages of development. This academic incubator will provide entrepreneurs with well-equipped laboratory, powerful computer systems, and technology expertise and subject-matter experts from the faculty. Establishment of BIC will forge a strong collaboration between the university and industry to find solutions of technological problems locally.

Facilities for Incubatees:

The following facilities are provided to incubatees at free of cost.

- Well-furnished offices.
- Internet access
- Computer systems
- Access to library
- Access to I.T Lab
- Air conditions

Incubatees:

Incubatee Company	Contact Person	Facebook Page
ENVIRAM	Imran Niaz Khan	www.facebook.com/EnviramChemicalsLimited/
Ala	Muhammad Umar Siddiqui	www.facebook.com/ALAOffer/

○ **Corporate Linkages**

▪ **MOU with Bank Alfalah**

- Expanding its endeavor to promote linkages with academia, *Institute of Business Administration, University of Punjab (IBA-PU)* has entered into a strategic partnership with Pakistan's leading financial institution, Bank Alfalah Limited (BAFL). This agreement comes an IBA's endeavor for strengthening industry and academia by promoting mutual cooperation for creating and imparting relevant, effective and new forms of knowledge and expertise.
- The agreement was signed by Ahmed Nauman Anees - Head, Learning and Development Division, Bank Alfalah, Prof. Dr. Zafar Moeen Nasar - Vice Chancellor, University of Punjab and Mrs. Sajida Nisar- Incharge Director, Institute of Business Administration, University of the Punjab on 17 April 2017 in presence of executives and high officials from both institutions.



▪ **Partnership Agreement with Plan9 – PITB's Tech Incubator**

- In line with its commitment to excellence, Institute of Business Administration, University of the Punjab (IBA-PU) has entered into a partnership with Plan 9 Technology Incubator. IBA-PU is pleased to announce its partnership with Plan9 on working together at various fronts; the understanding involves promoting entrepreneurial skills among the youth and providing a platform for growth. The memorandum calls for organizing different capacity-building training programs for students and develop their interaction with the institutions and commercial world.
- Plan 9 Network Partnership aims to change the existing mindset and bring a new culture of entrepreneurship, innovation and creativity at under-grad level. For this reason, we are promoting the formation of business incubators within universities across the country along the lines of the globally validated incubation model practiced at Plan 9.
- The agreement was signed by Prof. Dr. Zaffar Mueen Nasar - Vice Chancellor, University of the Punjab, Mr. Nabeel A. Qadeer- Director Entrepreneurship and Enterprise Development, PITB, Plan9, and Prof. Sajida Nisar- Incharge Director, IBA-PU on June 06, 2017, in presence of executives and high officials from both institutions.

▪ **Entrepreneurial Activities**

- **Entrepreneurship Gala at GCWU Sialkot**
Entrepreneurship Gala was held on 8th March 2017 and team of IBA clinched second position in business idea competition. This event was jointly organized by Govt. College for Women University Sialkot and State Bank of Pakistan (SBP).
- **Invention to Innovation Summit Punjab 2017**
IBA entrepreneurship team participated in 6th Invention to Innovation Summit Punjab 2017 and got 3rd position in Business Idea Competition.
- **ERUPT 16 (Business Plan Competition)**
Path breaking offerings by entrepreneurs, in the form of goods and services, result in new employment, which can produce an amplifying effect in the economy. To promote small tech-specific businesses and start-ups through this Incubator Program, an inter-university Business Idea Competition in collaboration with Plan 9 was held on 30th November, 2016 within IBA premises to boost entrepreneurial spirit among the students. Five teams from various departments of Punjab University participated in this event. Team '*aqua in time*' qualified for the *champions round* of Erupt fueled by Careem and Plan 9.
- **Meeting with BIC Focal Persons from all Faculties**
A meeting was called by Mrs. Sajida Nisar- Incharge Director, Institute of Business Administration, University of the Punjab to give briefing on Business Incubation Center (BIC). This meeting was arranged at conference room-IBA on June 8, 2017. All the Focal Persons for BIC activities from the faculties were invited to attend. The objective of that meeting was to give briefing on Business Incubation Centre. It was decided in the meeting that all the focal persons would communicate to their respective departments for BIC startup application.



- External Linkages & Placement Resource Centre-Iba (ELPRC)
 - External Linkages & Placement Resource Centre- IBA (ELPRC) is committed to helping students. To fulfil this purpose various activities like corporate exhibition, seminar and on campus recruitments by Haier, Porsche, Nestle, Pepsi, VIVO Electric Limited, Q-Mobile, K&Ns etc. were scheduled.
 - This year 49 students of BBA Hons and MBA got jobs in distinguished national and multinational companies and 190 students from BBA Hons (Batch 201 and 2017) got internship in well reputed companies.
- On Campus Recruitment Sessions
 - K&Ns: On campus interviews were conducted by K&Ns on 20th January 2017, one student was selected as Sales Support Executives and now have been permanent.
 - Porsche Pakistan: On campus interviews were conducted by Porsche Pakistan on 10th March 2017 for multiple positions in sales, marketing and finance divisions. They hired 3 students from IBA
 - Bank Alfalah: Bank Alfalah conducted on campus interviews for the position of “Associate Relationship Manager” and one student from MBA 1.5 was recruited.
 - Meezan Bank Limited: On campus recruitment session was executed by Meezan Bank Limited followed by informative session for the position of “Personal Banking officer” on 22nd May 2017. Further an “Engagement Activity Session” was held at Meezan House (Johar Town) where students were invited along with their parents to get the offer letters. Mrs. Sajida Nisar In-charge Director- IBA was invited as Chief Guest of the event.
 - Haier MTO Session: Haier conducted recruitment session for MTO position and 3 students have been shortlisted.
 - VIVO Electric Company: On campus interviews were conducted by VIVO Electric Company on 14th December 2017 for Management Trainee Officer. 3 students have been recruited.
- Internship Record 2017

Every year our students from discipline of Marketing, Finance and Human Resource are being sent for internship to expose them to corporate environment at various national and multinational companies for 6-8 weeks under supervision and guidance of respective company personnel.

 - Total 130 students got internship through Placement Office.
 - 110 Students from BBA (2014-18)
 - 20 students from BBA (2013-17).
- Corporate Exhibition

Ravi Automobile organized a mini showroom at IBA on May 5th 2017 to exhibit its new launch. This activity was followed by free trials of newly launched bike and scooter.



▪ Seminar

- In association with Career Counseling and Placement Centre- PU, a seminar on “Youth & Future Challenges- Role of Teachers and Students was organized on 19th October 2017 for the students of BBA-Hons. Guest speaker was Lt. Gen Ashraf Saleem (Retd). He is alumnus of IBA.
- Seminar on PEACE was held at IBA in association with CHANGE organization and CEES Department-PU. 25 students were selected as PEACE Ambassadors and were asked to generate ideas for peace promotion. Closing ceremony was executed with the demonstration of students’ ideas and presentation of guest speaker Mr. Ayub Ghauri (CEO Netsol). Mrs Sajida Nisar was invited as Chief Guest to distribute the certificate among students.
- Seminar on Under Age Drivers: IBA in collaboration with “City Traffic Police Lahore” arranged a seminar to create awareness regarding traffic rules and under age drivers. Rai Ejaz Ahmad (CTO Lahore) and Mrs. Sajida Nisar (in charge Director IBA) were the chief guests.

▪ NAB Competition Participation/ Winners

Students of IBA (under the supervision of External Linkages & Placement Resource Cente-IBA) participated in NAB Competition in different categories and secured

- 2nd Position and cash prize of Rs. 10,000 in singing competition
- 3rd Position and cash prize of RS. 5000 in English Declamation.

○ Internship

Over the years, we have developed a strong liaison with commercial and industrial houses, financial institutions and other organizations of national and international repute. IBA engaged its students for six to eight weeks internship program with the following organizations. This rigorous training program not only adds value to the firm but also provides an opportunity to the students to polish their own skills.

Sr. No.	Organization Name
1	Aftab Associate Pvt Ltd
2	Allied Bank Limited
3	Askari Bank Ltd
4	Atlas Honda
5	Bank Alfalah Limited
6	Brighto paints
7	CCL Pharmaceuticals
8	Coca Cola
9	D.G. Cements
10	Dawn News
11	Descon Engg.
12	Fatima Groups



Sr. No.	Organization Name
13	FFC
14	KSB Pumps Pvt Ltd
15	Lahore Chamber of Commerce
16	Maple Leaf Cement
17	Meezan Bank Limited
18	Moblink Telcomm.
19	National Bank of Pakistan
20	Nespak
21	Nestle Pakistan Ltd
22	Nishat Mill
23	Orient Electronic
24	Orix Leasing Pakistan Ltd
25	Ogilvy & Mather
26	Packages Pvt Ltd
27	Pak Suzuki Motors
28	PC Hotel
29	PEL
30	Pepsi International
31	Plan9 (PITB)
32	Porsche (Cars)
33	PTCL
34	Sapphire
35	Shell Pakistan (Pvt)
36	S.N.G.P.L
37	Shaukat Khanum Cancer Hospital
38	Siemens Pakistan
39	State Bank of Pakistan
40	Telenor Telcomm.
41	Tetra Pak Ltd
42	The Bank of Punjab
43	Total Parco
44	Ufone

○ **Student Counseling and Career Guidance**

The student advisor is all the time available for student counseling at IBA.



INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

The Institute of Business and Information Technology is actively working on developing and strengthening the relationships between academia and industry since its inauguration. We have established an Industrial Liaison Cell at IBIT with an aim to enhance professional networking and contacts with the local industry. Many students after graduations have been placed at diversified organizations including leading banks, multinationals and private sector organizations, while many students also took admission in our MBIT via BBIT Program. We also provided continuous career counseling for our graduating students and guided them in developing resumes, interview preparations and assisted them in applying abroad for further studies. Job fair is organized in which many national and multi-national companies take part and offer jobs to our graduating batches. In the summer 231 students of BBIT (Hon.) have done internships in diversified industries and organizations throughout Pakistan

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- Linkage with LABARD
- **Internship and Placement Office**
Four Internees has been completed their internship nominated by the Government of Punjab.
- **Student Counseling and Career Guidance**
All faculty member are providing counseling and guidance services to the students.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **University-Industry Linkage/ Collaboration**
Testing of Industrial Samples
- **New Initiatives**
Initiation of M.Sc. Energy and Environmental Engineering Programmes in 2017
- **Internship and Placement Office:** No
- **Student Counseling and Career Guidance:** Yes

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **University industry linkage**
We are trying to develop a linkage between our department and industry to give better product and technology of our society.



- **New initiatives**
Trying to develop relationships with Gulf and European Universities and we are working over it.
- **Technology Incubation Centre**
We have no such centre.
- **Internship and Placement Office**
Because the department was in completion of projects and infrastructure newly build so we have no such activity.

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

- **University-Industry Linkage**
At Departmental level with Pakistan Steel Mill, PCSIR Labs, SNGPL, SUPARCO, Pakistan Atomic Energy, POF Wah cantt, Sufi Steel, Mughal Steel Industries etc.
- **New Initiatives**
Trying to convert departmental level linkages to organizational level
- **Internship and Placement Office**
Present, Arranges internship for all students every summer
- **Student Counseling and Career Guidance:** Yes

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **University-Industry Linkage / Collaboration**
MOUs has been signed with different universities with in the country and abroad to exchange study program and also with different local research organizations e.g. PCSIR Labs, PSQCA, LCCI etc. to exchange expertise.
- **New initiatives**
 - Continual Professional Development Cell (CPDC)
 - Collaboration with SNGPL for research projects
 - Launching of short courses
 - Organization of Co-curricular activities like celebration of Serat-ul-Nabi, Quaid and Iqbal days, Independence day, resolution day, Kashmir day.
- **Technology Incubation Centre**
Faculty members are encouraged to carry out researches of commercial importance.
- **Internship and Placement Office**
At the Institute the internship is the part of curriculum and mandatory requirement to get engineering degree. Every year Institute arranges Internship programs for students in Fifth semester with the facilitation of Industry and R & D organizations.
- **Student counseling and Career guidance**
 - CPDC and student advisor has mandate for student counseling and career guidance. CPDC works in close contact with industry for the recruitment and placement of the young engineers in local enterprises.



- A separate Career Counseling & Alumni office has been established. During 2016, eighteen (18) companies visited Institute for recruiting our graduates and Institute fully supported these recruitment drives.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **University-Industry Linkage**
At Departmental level with Mobilink, SNGPL, SUPARCO,
- **New Initiatives:** Trying to convert departmental level linkages to organizational level
- **Internship and Placement Office**
Present, Arranges internship for all students every summer
- **Student Counseling and Career Guidance:** Done at personal levels

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **University-Industry Linkage / Collaboration**
 - Students of the Institute regularly visit Industries in their Industrial tours.
 - Industrial training of 6-8 weeks is a part of curriculum at Institute of Quality & Technology Management.
- **New Initiatives**
Laboratories have been updated according to Pakistan Engineering Council requirements.
- **Internship and Placement Office**
Internship is arranged regularly for BS industrial Engineering & Management and MSc Quality & Performance Management programs. Several companies visit from time to time to take job tests for hiring students Job tests are also conducted by several reputed organizations to hire graduates of the institute.
- **Student counseling and Career Guidance**
Cell is present in the Institute and a teacher is incharge of this cell. Students contact the office for counseling and guidance.

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

- **Student Counseling and Career Guidance**
Sheikh Zayed Islamic Centre is providing the Counseling and Career Guidance to the student. Dr. Ishtiaq Ahmad Gondal is the nominated students' counselor and providing career guidance to the students of the Centre.



Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

○ **Internship and Placement Office**

Associated with the senior advocates having. At least 10 years actual standing in the field of Law.

○ **Student Counseling and Career Guidance:**

- For most of the time of Faculty of Law provides counseling and career guidance to Law students. In this connection, Law Moots are arranged by the Law Moot Society under the supervision of teacher's incharge. These exercises' enhance the capacity building of the students for future challenges and opportunities. Moreover, the subject of trial advocacy and office managements and being taught to LL.B students to make them able, how to manage office.
- The visiting teachers are also engaged by the Law College to get maximum benefits from their legal experiences. The adjunct faculty offers the interested students to work with them as an associate by keeping in view the area of interest of students. The College also make necessary arrangements in the interest of students for frequent visit of District Courts and superior Courts in Pakistan. These arrangements act as catalyst for giving them a practical view over the working and procedure of these Courts.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Internship and Placement Office**

- Services Hospital, Lahore.
- Mayo Hospital, Lahore.
- Sir Ganga Ram Hospital, Lahore.
- Jinnah Hospital, Lahore.
- Punjab Institute of Mental Health, Lahore.
- Amin Maktab, Lahore.
- Shadab Training Institute, Lahore.
- Child Protection Bureau, Lahore.
- Social Welfare Department, Govt. of Punjab, Lahore.
Dar-ul-Sakoon,
Dar-ul-Falah,
Chaman Institute for Special Children.
- Lahore General Hospital



- Turning Point, Lahore.
- Fountain House, Lahore.
- Fatima Memorial Hospital, Lahore.
- Living Institute for Slow Learners, CCP, PU, Lahore
- National Special Education Centre, Government of the Punjab, Lahore.
- **Student Counseling and Career Guidance**
 - **Counseling and Therapeutic Services**
Centre is providing counseling services as well as therapeutic for the management of Anxiety, Depression, Anger, Self Esteem, Acute and Chronic Stress, Drug, marital Problems and Adjustment Problems.
 - **Assessment Services**
Centre is also providing assessment services related to Personality, IQ, Neuropsychological and Achievement.
 - **Living Institute for Slow Learners (LISL)**
Living Institute for Slow Learners (LISL) is working to improve the functioning of children with special needs in the area of self-help, language, socialization, motor and cognition, to manage emotional and behavioral problems of children to enable them for inclusive education. For this purpose efforts are being done to enhance self-esteem, social skills, self-confidence and basic learning skills. Their associated and problematic behaviors are also managed in individual sessions. Management training is provided for major childhood disorders e.g. Attention Deficit Hyper Activity Disorder, Mental Retardation, Asperger's Syndrome, Autism and Learning Disorders and difficulties etc.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **University-Industry Linkage**
The Centre has collaboration with seed companies for field trials of transgenic plants and collaboration with different hospitals for medical and health related projects.
 - M/s Ali Akbar Group, Bhothian Chowk Defence Road, Off Raiwind Road, Lahore.
 - M/s Aziz Group of Companies, 77 Industrial Estate-60000, Multan.
 - M/s FMC United (Pvt) Ltd, 61-A, Main Gulberg, Lahore.
 - M/s Four Brothers Group, 77-D/1, First Floor, Lahore Centre, Main Boulevard, Gulberg, Lahore.
 - M/s AgriFarm Services, 53-C Fazal Elahi Road Near Chungi No.1, Multan.
 - M/s Pioneer Seed Pakistan, 2, G-4 Canal Bank Johar Town, Lahore.
 - M/s Auriga Seed Corporation, 33-Km Multan Road, Lahore
 - M/s Bahar Seed Corporation, Sadiqabad
 - M/s ICI Pakistan Limited, ICI House 63 Mozang Road, Lahore
 - M/s Jullundur Seeds, Pvt Limited, 56-L, Model Town (Extension), Lahore
 - M/s Neelum Seed Corporation, 43 Km, Chak No. 166 WB, Metla, Multan.
 - M/s Sanifa Agri Services Limited, Lahore



- M/s Suncrop Group, 8-B, Industrial Estates, Multan.
- Tara Crop Sciences, PCT Limited, # 01, GII, Canal Bank Road, Johar Town, Lahore
- M/s Weal-AG Corporation, 47-A, Industrial Estates, Multan

○ **New Initiatives**

- We are in a process of making contracts with seed companies to collaborate with CEMB for transformation of genes in their elite varieties/hybrids.
- Following projects are in progress as new initiatives

Sr. #	Name of Projects/Programmes
1	Foreign Faculty and Foreign Student Hostels
2	Auditorium
3	Establishment of cGMP compliance protein purification Laboratory
4	Up gradation of Support Facilities/Amenities on the CEMB Campus
5	Expansion of Teaching in Molecular Biology

○ **Patents**

Patent # 142243 Rao AQ, Nasir IA and Husnain T (2016). Novel Transgenic approach to decrease cost of cotton production in Pakistan. (IPO Pakistan)

○ **Internship and Placement Office:**

CEMB also provide short internships in different disciplines to provide the young researchers hands on experience in basic and advance molecular biology techniques. Students from different universities every year join CEMB for internship. During 2015-16 fifty internees from the following institutes completed their internship program at CEMB. In the year 2016-2017

1. Lahore College for Women University
2. Kinnaird College
3. University of Veterinary and Animal Sciences
4. University of Health Sciences
5. The University of Lahore
6. Agriculture University Faisalabad
7. Bahawalpur Islamia University

DEPARTMENT OF BOTANY

- **Student Counseling and Career Guidance:** Student Advisor provides counseling and career guidance to the students

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ **Internship and Placement office**

- Two students of College of Earth and Environmental Sciences (CEES), University of the Punjab, Lahore , completed internship in the department.



- One student from Allama Iqbal medical college.
 - One student from the department of Botany
 - One student from GC University
 - One student from chemical engineering.
 - One student from comsats
 - One student from University of Lahore.
 - Two students of University of Lahore, completed internship in the department
 - Five students of Institute of Biochemistry and Biotechnology, University of Veterinary and Animal sciences, Lahore, completed internship in the Department.
 - Three students from Gulberg college for women Lahore.
 - Two students from Home economics college for women, Lahore
- **Student Counseling and Career Guidance**
- The department has formulated Character Building Society (CBS) of the students, which organizes events related to different social issues and problems. It act as a plate form for student counseling and related issues. and organized the following for student counseling
 - One Day workshop to create self-recognition, self-esteem and self confidence
 - Weekly Board Display to create awareness against Anticorruption in Academia
 - Lecture on civil education
 - Celebrated Anticorruption day
 - Lecture on scientific corruption
 - Cleanliness week

DEPARTMENT OF ZOOLOGY

Prof. Dr. Javed Iqbal Qazi

Ph.D. Member, Core committee to develop/strengthen the University Industry Linkage, University of the Punjab, Lahore vide letter No. D/486/R dated 18.07.2013

- Prof. Dr. Muhammad Naeem Khan
 - Department of Fisheries, Government of the Punjab, Lahore.
 - American Soybean Association (Pakistan Chapter), Karachi.
- Dr. Najma Shaheen
AB Mauri Pakistan (PVT) Limited December 29-, 2015 to present
- Dr. Nadeem Sheikh
Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.



INSTITUTE OF AGRICULTURAL SCIENCES

○ **University-Industry Linkage/Collaboration**

We have already organized different University Industry Linkage Programme with the collaboration of:

- Amanah Halal Research Centre (Amanah HRC)
- Pepsi-Cola International (Pvt.) Limited
- The Ohio State University (material transfer agreement)
- Evoyl Group of Seed, Fertilizer and Pesticides (EGSFP)
- Her Majesty the Queen in Right of Canada (material transfer agreement)

○ **New Initiatives**

- Transgene technology for the purpose of producing virus resistant cotton plants, Kitchen Gardening, Tunnel Farming, Germplasm trials and seed production strategies, Conservation Agriculture, To promote Food Science & Technology (Introduction & preparation of several new products in the lab, such as jam, juices, dried vegetable powders).
- Mushroom cultivation has been started in the Institute of Agricultural Sciences and in near future spawn production will also be initiated.
- Rice germplasm conservation and enhancement: Rice germplasm conservation and enhancement is very important and basic tool for the development of new rice varieties through different breeding approaches. We have collected more than 300 rice germplasm lines (exotic + local) from different sources to increase the production and adaptability of some exotic rice varieties:

Objectives:

- To launch a new breeding program
- To increase yield
- To improve quality
- Breeding for resistant varieties against biotic and abiotic stresses.
- Promotion of Entrepreneurship trend and related training opportunities.

○ **Technology Incubation Center**

Production of different food products in Food Sciences centre and isolation/identification of new pathogens for the improvements of crop plants in different laboratories of the institute by using our own resources.

○ **Patents**

Ahmad, N., Rashid, N., Haider, M. S. and Akhtar, M. (2016). Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. US PATENT Number US 9,340,778 B2



- **Internship and Placement Office**

Regular internship programme is being conducted and Institute has established a Placement Bureau office to deal with the business related to the availability of jobs for the graduates of IAGS.

INSTITUTE OF APPLIED PSYCHOLOGY

- **Student Counseling and Career Guidance**

As psychologists we are sensitized to the students' psychological needs. While pursuing higher education, the students undergo a stressful and demanding time in their lives and they need help in coping with stress and optimizing their academic performance. Student Counseling and Assessment Services (SCAS) was therefore set up in 2005 at the premises of the Institute to provide counseling to university students in order to deal with their academic, emotional, social, adjustment, behavioral and other related problems. Initially the main objective of SCAS was to address the needs of Punjab University students, however owing to the increasing demand; these services were extended to the University employees. In order to facilitate and maintain the comfort level of the students, the SCAS has been moved to the premises of the University Health Centre since 2009.

Counseling services are offered by highly motivated, committed, fully trained and experienced professionals i.e. a team of clinical psychologists under the supervision of Director, Institute of Applied Psychology and Chief Medical officer, Health Centre. Ms. Sadia Shahzeb a Clinical Psychologist is supervising counseling and assessment services provided at the SCAS. SCAS can be approached to set up appointments and seek advice. Detailed information about SCAS is available at <http://pu.edu.pk/scas/> Ph No. 042-99231256.

All contacts and communication with counselor are kept completely confidential. The services also help in developing skills needed for a successful student life mainly: stress reduction and management, time management, confidence building and assertiveness skills. The SCAS also performs psychological assessment of students and employees referred by the University competent authority. Group Counseling sessions are also conducted to address large group of students' issues such as confidence building, time management skills, assertiveness, prioritizing, interpersonal skills etc. SCAS runs awareness activities for University students in form of putting stalls, delivering orientation lectures in Departments and distribution of information leaflets. Our ultimate aim is to enable University students to maximally utilize their potentials to show outstanding academic performance in particular and to lead a healthy and quality life in general.

The number of students benefiting from counseling services has been increasing gradually and they have shown good progress.



The most commonly seen problems are listed as follows:

Academic problems	Adjustment/relationship problems	Psychological problems	Personal
<ul style="list-style-type: none"> • Poor time management • Presentation anxiety • Lack of concentration/attention • Poor study habits. 	<ul style="list-style-type: none"> • Adjustment issues in hostel • Adjustment problem in department • Problems in managing finances • Relationship problems with friends and family 	<p>Mild level: Anxiety, Stress, Anger control problem, Lack of assertive skills, Lack of confidence, low self esteem</p> <p>Severe Level: Depression, suicidal ideation, Obsessive-compulsive disorder, Personality disorder, Schizophrenia, Delusional disorder</p>	<ul style="list-style-type: none"> • Self grooming, • Living habits • Inappropriate mannerism according to the social environment • Dietary habits • Sedentary life style

▪ Referrals

The students referred to SCAS come either through self-referral, through teachers of their respective departments, through medical professionals at the Health Centre and through the University competent authority.

▪ Tasks Achieved

- Development of Time Management Planner for the University Students developed by Prof. Dr. Rukhsana Kausar & Ms. Sadia Shahzeb.
- In addition to counseling, SCAS also offers Psychological Assessment Services and many students and employees have also availed these services.
- Research collaboration with Institute of Applied Psychology, University of the Punjab Lahore.
- Community work program was organized by Institute of Applied Psychology to give awareness and orientation about psychological well-being and counseling services provided at SCAS for University students.
- Group counseling sessions were also organized in the premises of Institute of Applied Psychology for Balochi Students. Their individual problems in academics, adjustment, in language and in general were addressed in group sessions.

▪ Future Plans

The future goals being decided for uplifting the services of SCAS are as follows:

1. To raise awareness about psychological health and role of SCAS through presentation at departments of the University.



2. The Heads of the departments will be requested to nominate a teacher preferably student advisor as a liaison person for students referrals and follow ups.
3. Group sessions regarding common psychological problems among students will also be conducted.
4. In collaboration with Institute of Applied Psychology & Centre for clinical Psychology Staff training program will also be provided in future in collaboration with other professionals.

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **University-Industry Linkage**

The Centre is rendering its analytical services to deal/ solve the various problems of the various industries including

- Berger Paints Ltd.
- College of Tourism & Hotel Management, Lahore

○ **New Initiatives**

Efforts are being made to sign Memorandum of Understanding with King Edward Medical University (KEMU), Lahore

○ **Internship and Placement Office**

CAMB is providing a platform to the internees. Seven internees have been accommodated under Prime Minister Youth Training Scheme for a period of one year. Twenty one (21) students/ internees from various universities have been accommodated during 2016-17.

○ **Student Counseling & Career Guidance**

The Centre has formulated a departmental committee named "Student Advisory Committee" which is providing a student counseling and career guidance to the student. Jobs opportunities/ foreign higher studies are indicated at department's notice board. Career counseling provided by the faculty members during their lectures in line with their specialization within the country and abroad. Resultantly, two students got foreign Ph.D scholarship in Hong Kong.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

○ **University-Industry Linkage/Collaboration**

Teachers of the Department have interpreted High Profile delegations of Kashmir and make some concerns about the Kashmir.

○ **Patents** (in Number & detail about patent not more than one line)

Make some discussions about Kashmir Issues and its solution.

**DEPARTMENT OF PERSIAN****○ University-Industry Linkage/Collaboration**

Prof Dr Muhammad Saleem Mazhar attended and presented paper at “4th International Conference on Mirza Abdul Qadir Bedil Dehlavi” held on 18th & 19th January, 2017 at Tehran, Iran.

Faculty of Pharmacy**PUNJAB UNIVERSITY COLLEGE OF PHARMACY****○ Internship and Placement Office**

One officer is dealing with the internship program for Community Pharmacy, Hospital and Pharmaceutical Industry

○ Student Counseling and Career Guidance

We provide counseling and career Guidance to our students at College of Pharmacy though we don't have a formal counseling and career guidance center. Each class has male and female tutors which have been taken from the faculty members. The students are advised to see their tutors for any guidance. The faculty members are available to every student for this service. Often it is announced in classes when they take lecture. We have a wide diversity of faculty with expertise in several fields. Mostly students ask about the internship and Higher Education in Pharmacy. A dedicated person has been assigned to look after the internship program. Under this program the student are provided with the aims, information and way to obtain placement for this internship. For higher education, depending upon the expertise, the faculty members have interactions individually as well as in groups to counsel their students.

Faculty of Sciences**CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS****○ University-Industry Linkage**

Many national and international organizations collaborate with the Centre to carryout research activities in terms of financing, data collection, analysis and finalization of research reports/Thesis.

○ Student Counseling and career Guidance

Graduates of the CIMR are provide guidance and career counseling by the faculty members of the CIMR in line with their specialization and current scenarios in the country and abroad.



COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **University-Industry Linkage / Collaboration**

College of Earth and Environmental Sciences has signed research collaboration with various professional organizations and institutions in order to engage students for research work on Environmental Sciences, Applied Hydrology and Geomatics Studies.

○ **New Initiatives**

- Collaboration & Research Linkage with (China) Sichuan South Gas Compressor Co., Ltd. for the different biogas digesters installation in Punjab. (Ms. Mariyam Zameer).
- Collaboration with M/S Wisey's Germany for RWH (SMS) Pilot Project at the CEES.
- Collaboration with the American Rainwater Catchment System (Pakistan Chapter) to Development research innovations technologies and sharing of knowledge, and Manpower.
- Research Collaboration with TDCP Punjab, is in Progress
- MOU with DARCO Group for Research Collaboration
- MoU with National Cleaner Production Center, Pakistan for Research Collaboration

○ **Internship and Placement Office**

Students of The College of Earth and Environmental Sciences are offered placements in the various collaborative organization / institutions in order to carry out research work in the areas of Environmental Sciences, Applied Hydrology and Geomatics as well as in the newly launched discipline of Occupational Health & Safety.

○ **Student Counseling and Career Guidance**

The student advisor is all the time available for student counseling in the CEES

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **Internship and Placement Office**

A sub-office of Internship and Placement is being run to accommodate the students of this College.

○ **Student Counseling and Career Guidance**

A sub-office for 'student counseling and career guidance' is also being operational to accommodate the students of this College.

DEPARTMENT OF MATHEMATICS

○ **Development projects (Laboratories, Libraries, etc.)**

- Three Computer Labs.
- One Library

○ **Research Equipment**

- 108 Computers
- 03 Multimedia



DEPARTMENT OF PHYSICS

- **Student Counseling and Career Guidance**

Yes, we do provide counseling services to the students of the Department.

INSTITUTE OF CHEMISTRY

There are industry and University linkages. Different industries remain in contact with Institute of chemistry for quality testing for their raw material as well as finished products. We are in process of commercializing out some of our instruments in order to enhance the income sources. No patents yet published in the last year. There is no regular program of internship in our institute. In class rooms after the lectures often teachers talk about moral values and importance of right decision while choosing nature of profession.

INSTITUTE OF GEOLOGY

- **University-Industry Linkage**

Institute of Geology provides consultancy services in material testing and mineral sector organization, WAPDA, NESPAK, and number of organizations in public & private sector.

- **New Initiatives**

Institute of Geology is developing research collaboration with the China University of Geosciences, Wuhan, Hubei, China.

- **Internship and Placement**

- A number of students of the Institute of Geology got internship in OGDCL / OGTI, Islamabad; PCRWR, Lahore; NESPAK; GSP, Lahore and Road Research & Material Testing Institute, Lahore.
- A number of students of the Institute after qualification of B.S. / M.Phil. degrees got placement in various academic and research organizations i.e. OGDCL, GSP, and various Geological firms within the country.

- **Student Counseling and Career Guidance**

Graduates of the Institute are provided guidance and career counseling by the faculty members of the Institute in line with their specialization and current scenarios in the country and abroad.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Open Source Software Development

A research and development project has been conducted at PUCIT during 2008 – 2010 with the title “Integration of Open Source Software Projects in IT Education”. NU FAST and Virtual University were the other two partners of this project. A funding of PKR 37.63 million was secured from ICT R&D Fund for this project. Some of the goals and objectives of this project were:



- To provide training to IT/CS students keeping in view the requirements of their prospective employers (i.e. the software industry).
 - To allow students to learn good programming practices by reading professionally written high-quality code and by getting feedback from professionals.
 - To address (and try to resolve) the issue of the scarcity of quality CS/SE faculty in most of the universities.
 - To help software industry by providing them with the workforce that has worked on industrial strength projects, thus reducing the costs of training programs required for new inductees.
- **Internship and Placement Office**

Since its establishment over 6 years ago, PUCIT Placement Office has played an important part in helping our graduates in availing suitable opportunities for part time and full time employment as well as paid and unpaid internships.
 - **Student Counseling and Career Guidance**
 - There isn't any formal channel for Student Counseling. Our Degree Supervisors and other faculty members use to give proper time to the students for their counseling.
 - To provide Career Guidance to the final year students, the Placement Office managed to arrange talks and discussion sessions by inviting experts from the leading software houses.

SCHOOL OF PHYSICAL SCIENCES

University-Industry Linkage/collaboration

School of Physical Sciences, University of the Punjab, Lahore is planning to develop industrial collaboration with different industries with the development of the projects related to physical, biochemical and molecular sciences.



Chapter

7

**STRENGTHENING PHYSICAL
INFRASTRUCTURE**

- *Development Projects (Laboratories, Libraries, etc.)*
- *Research Equipment*
- *Construction Projects*

**CHAPTER**
7**Strengthening Physical Infrastructure****Faculty of Arts & Humanities****COLLEGE OF ART & DESIGN**

- **Development Projects** (Laboratories, Libraries etc.)
We have a Computer Lab consisting 8 computers, an Art Gallery and a Library for our research scholars.

DEPARTMENT OF ARCHAEOLOGY

- **Development projects** (Laboratories, Libraries, etc.)
Provision of furniture and conference table/chairs in the library

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Development Projects** (Laboratories, Libraries, etc.)
 - The M. Phil, ELT and Linguistics sections of the Department Library have been computerized. The formation of electronic data-bank of MA English books is in progress.
 - Establishment of Departmental Computer Laboratory.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Construction Projects**
Purchase new furniture for department & A/C for class rooms.

PAKISTAN STUDY CENTRE

- **Development projects** (Laboratories, Libraries, etc.)
The Centre's Library contains a good collection of books, journals, reports, newspapers covering a wide-range of themes related to history, politics, economy, geography, languages, culture and literature of Pakistan. There is also a sufficient collection on the South Asia, Central Asia and the Middle East. New books are being added on regular basis. The library receives more than 20 research journals covering a vast field of subjects particularly Social Sciences. The Library is also acquiring English and Urdu local newspapers.
- **Construction projects**
The construction of a new hall for library was completed and furnishing of the new hall is in progress.



Faculty of Behavioral & Social Sciences

DEPARTMENT OF SOCIAL WORK

- **Development Projects** (Laboratoies, Libraries, etc.)
 - Library of the Department added 183 new books on different subjects in this year.
 - LEDs have been installed in classes and other rooms.

INSTITUTE OF COMMUNICATION STUDIES

- **Development Projects**

Two new video cameras are added in Audio Video Lab equipment, editing system was also upgraded.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Development projects** (Laboratories, Libraries, etc.)

In order to upgrade the library facilities 268 number of latest books has been added in the Institutes library. The detailed status of institute's library is as follows:

Category	No.
Total No. of General Books	12000
Total No. of Reference Books	250
Total No. of Journals Subscribed (Foreign)	02
Total No. of Journals Subscribed (Local) Gifted	05
Total No. Thesis	2500
Total No. of Reports	-
Budget provision for book	2,50,000
Budget provision for other library requirements	-

- **Construction projects**
 - The first floor of ISCS is completed and functional. It includes a “state of the art” Conference room, faculty offices, Class rooms, Library, Mosque, Research Centers and Ladies common room.
 - On the western side of the Institute's building further construction is in progress which includes class rooms and faculty offices.

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

Development Projects (Laboratories, Libraries, etc)

- 18 Numbers of Multimedia's was purchased to strengthen class room teaching.
- 554 Nos. books were purchased for Library (2015-2017).
- 7874 Nos. total books in Library.



- **Research Equipment**

Students are being facilitated with account on line journal and use of IT.

- **Construction Projects**

We have submitted PC-I for construction of new block besides renovation of old structure.

HAILEY COLLEGE OF COMMERCE

- **Development projects**

03 Computer Labs, 01 Open Shelf Library

- **Construction Projects**

- Plan to construct Multipurpose hall,
- Extension of Computer Labs

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Development projects** (Laboratories, Libraries, etc.)

Enhancement of the existing library by the inductions of new books and a new section. The Department of Economics has bought over hundred books in last year according to the need of the students.

- **Research Equipment**

The Department has two computer labs according to the need of modern research.

- **Construction projects**

Civil works for annexation of another academic block is complete, the Department extend five more classrooms and one office.

DEPARTMENT OF INFORMATION MANAGEMENT

- **Construction Project**

The whole building of the department got renovated and various additions were made to the building and physical facilities.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Up gradation of physical infrastructure

Keeping in mind the growing need of having more class rooms and offices amid growing numbers of students and professionals, IAS has recently updated its old building by getting an additional floor constructed. This floor has two large examination halls along with 10 state of the art faculty offices to fulfill the needs of growing student body and the faculty.



Technological Infrastructure

With the objective of making students well versed in usage of information technology and to enhance their computer literacy skills, IAS has well equipped computer laboratories which cover an area of 4800 square feet. IAS has two well-equipped computer laboratories offering state of the art networking and IT facilities. These labs are equipped with 250 computers with latest software like MS Office, SPSS, Corel Draw, Adobe etc. Strong anti-virus software named ESCAN is installed to prevent viruses from attacking the systems. Instructions/guidelines for the users regarding safety regulations or alike have been displayed on the lab notice boards. Also we equip our students with the usage of IT by offering multiple courses throughout their stay at IAS. To enhance the research capacity of scholars, workshops for the use of research software for both quantitative and qualitative analysis are also offered on regular basis. In addition, our website is fully functional and updated regularly for on line information and services. It can be reached at: www.ias.pu.edu.pk

INSTITUTE OF BUSINESS ADMINISTRATION

IBA Computer Labs

There are two fully equipped and modern computer labs for the students at IBA, having 170 state-of-the-art computers. These labs are equipped with multimedia projectors and sound systems.

IBA Library

Sr. No.	Description	Quantity
1	Total books available as on 30-09-2016	21,120
2	New books added during the reporting period	250
3	Total book as on September 30, 2017	21,370

In addition to above books, IBA library is also regularly subscribing for 1 (one) foreign and 9 (nine) local famous journals.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

In the Computer Lab of the department, 13 computers (desktop) have been added.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **Development Projects** (Laboratories, Libraries, etc.)
Ash fusion analyzer, Helium pycnometer, Diester concentrating table, BET surface area analyzer, Digital bomb calorimeter.

**DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY****○ Development Projects**

Certain development projects have completed and following labs are established in this context

- Thermal analysis Lab
- Mechanical analysis Lab
- Polymer and material synthesis Lab
- Polymer processing Lab
- Spectroscopic Lab
- Paint and Coating Characterization Lab
- We have 1 library related to our taught courses and research projects.

○ Research Equipments

- Research Microscope
- Synthesis assembly
- Universal Testing Machine Floor Type
- Dynamic Mechanical Analyzer with Accessories
- Hardness Tester with different measuring ranges
- Pendulum Impact Testing Machine
- Lab Attritor
- Lab Scale Reactor
- Lab Mixing Extruder bench type
- Solution Viscometer
- High Temperature Press (Hydraulic)
- Gas permeability tester
- Ultrasonic Cleaner
- Cylindrical Mandrel Bending Tester
- Drying Time Recorder
- Wet Abrasion Scrub Tester
- Tubular Impact Tester
- Gloss Master
- Fineness Grind Gauge 0-100UMS wide
- Adjustable Film Applicators
- Hardness Tester
- Pinhole Detector
- Opacity Meter
- Spindle Viscometer
- Coating Thickness Tester
- Research Microscope
- Simultaneous Differential Scanning Calorimeter Thermo Gravimetric Analyzer (SDT Q600)



- Differential Scanning Calorimeter (DSC Q 200)
- Thermo Mechanical Analyzer (TMA Q400)
- Rheometer
- Gel Permeation Chromatograph (GPC)
- Fourier Transform Infrared Spectrophotometer (FTIR)
- Polymer Synthesis Pilot Plant
- Pervaporation Unit
- Bench Scale Reactors
- Polymer Synthesis Glass Assemblies
- Dip Goods Synthesis Plant
- Pipe Extruder
- Film Extruder
- Blow Moulding
- Injection Moulding
- Mechanical Stirrer
- Oil Bath
- Hot Plate Magnetic Stirrer
- Rotamental
- Orbital Shaker
- Glove Box
- **Construction Projects**
No recent project but all previous projects have been completed

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

- **Development Projects**
HEC approved project in progress, including 15 Labs 1 library
- **Research Equipment**
1 new research lab for advance materials is prepared from HEC

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- **Development projects** (Laboratories, Libraries, etc.)
Department of Textile Engineering & Technology purchased 408 books for the library from 2008 to date.
- **Research Equipment** (Added during the said year)
Department of Textile Engineering & Technology purchased following pieces of equipment for its laboratories from 2008 to date.



List of Equipment

Computerized microscopic system	Infra Red Dyeing Machine	Launder-o-meter-automatic
Yarn examining machine	HT Dyeing and Washing Machine	Perspiration tester
Automatic wrap reel for yarn	Padder	Water repellency tester
Twist tester	UTM (Universal strength testing machine)	Martindale abrasion & pilling tester
Lab knitting machine	Flammability tester 45°	Random Tumble Pilling Tester
Crock meter	Incubator Cabinet	Magnetic Stirrer Hot plate
AATCC Launder-o- Meter	PH Meter	Simple Hot Plate
Electronic Psychomotor	Analytical Balance	Yarn Examining Machine
WRAP WREEL	Reciprocating Vacuum Pump	Glass Ware A Grade
Digital Thermometer	Mechanical Shaker	Glass Ware B Grade
Automatic Sampling Loom purchased last Year from China in the USAID Project		

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY○ **Development projects**

The institute receives budget for its development projects from University of the Punjab and HEC.

○ **Research Equipments**

The institute has state of the art research labs. Upgradation of these labs is a continuous process.

Postgraduate labs are adorned with state of the art Analytical and Experimental facilities:

- Automatic Density Meter
- Karl fisher Titration Apparatus
- Particle Size Analyzer
- CFBC Feeder
- Flame Photometer
- Analytical Balance
- pH meter
- Conductivity Meter
- Refractrometer
- Gas Chromatograph
- Atomic Absorption Spectrometer
- Micrometrics Chemisorb
- Rheometer
- High Performance Liquid Chromatography



- **Construction projects**

- The faculty offices are being upgraded.
- Now department is working on an uninterrupted power supply by virtue of two generators and UPS installed. These generators have been purchased by the departmental savings and Worthy Vice Chancellor's special fund.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Development Projects**

HEC approved project in progress, including 12 Labs 1 library

- **Research Equipment**

1 new research lab for semiconductor devices approved from HEC

- **Construction Project**

New building for EE department in progress having 38091 sq/ft covered area

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Development projects** (Laboratories, Libraries, etc.)

Projects are in process to equip Laboratories as per requirements of Pakistan Engineering Council.

- **Construction Projects**

Two labs and four faculty rooms have been constructed.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Research Equipment**

Digital Library, Video Conferencing facilities are provided by the IT Centre of the Punjab University.

SHEIKH ZAYED ISLAMIC CENTRE

- **Development projects** (Laboratories, Libraries, etc.)

Presently, the Computer Lab. and the Administrative Unit of the Centre is equipped with 44 computers in total. In the year 2016-17, no new computers were purchased.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- **Development Projects** (Laboratories, Libraries, etc.)

College Library: The College library has recently been renovated thoroughly by the concerted efforts of Dr. Shazia Qureshi, Principal, University Law College by providing modern research technology and friendly atmosphere to the researcher, faculty members and the students.



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- **Development projects** (Laboratories, Libraries, etc.)
Speech and Language Pathology Lab is established to meet the Research and clinical needs of MS students.
- **Construction Projects**
Centre for Clinical Psychology Construct their New Building 1st Floor.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Research Equipment**
There is no purchase of Research Equipment during year 2016-2017
Equipments Purchased during 2016- 2017
 - Portable pH,TDS,Conductivity meter Modle HI-9811-5
 - Pipette Man Eppendorf P.5-5ML
 - Pipette Man Eppendorf P100-1000ul
 - Pipette Man Eppendorf P20-200ul
 - Pipette Man Eppendorf P2-20ul
 - Pipette Man Eppendorf 8-CHANNEL P.30-300UL
 - Pipette Man Eppendorf 12-CHANNEL P.30-300UL
 - OmniPage Blot Mini 10*10cm
 - Bench top centrifuge TGL-16-High speed china
 - Pipette man P-1000 SCIOLOGEX
 - Pipette man P 20-200ul Thermo
 - Pipette man P-1000ul Dragon
 - Refrigerator Hair medium size (HRF-380C)
 - Four Humidifier (Germany)
 - Mini Trans-Blot Electrophoretic Transfer Cell (Bio Rad)
 - Four Vacuum Pump Diaphragm Oil less
 - Vertical Gel Apparatus SDS-Page (Cleaver)
 - Refrigerator Hair 12 cft
 - Spectro star Nano Microplate Reader BMG LABTECH
 - Microwave oven Dawlance model DW374
 - pH Meter Hanna
 - Stabilizer 1000va
 - Qubit 3 Fluorometer (Nano drop) Invitrogen



- Vertical Deep freezer Dawlance VF-1035 WB
- Incubator
- Analytical Balance G&G Germany
- Pipettman 20ul-200ul Diamet UK
- Four Horizontal MidiGel Unit
- Two Wide Mini-Sub Cell GT Horizontal Electrophoresis

DEPARTMENT OF BOTANY

- **Development projects** (Laboratories, Libraries, etc.)
A new research laboratory of “Plant Biotechnology” was developed in the Department of Botany, University of the Punjab, Lahore.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Development Projects** (Laboratories, Libraries, etc.)
 - Establishment of Cell Culture Facility for culturing various cancer cell lines, used in tumor metabolism studies and in anticancer drugs screening
 - Establishment of a separate Tumor Metabolism Lab in the department.
 - Establishment of a new section of research lab 3 for handling/cultivation an experimentation on *Helicobacter pylori* and related organisms involved in stomach ulcer
 - Up gradation of Computer Lab with latest technology
 - WiFi in department
 - Established pilot scale animal house (animal cages)
 - Establishment of cell culture laboratory
 - Establishment of linkages with Brighto paints with reference to microbes culture testing facilities
 - Microbes culture testing facilities to the oric , PU
 - Regular Microbiology (UK) Journal in Library
 - Regular Journal of Botany in Library
 - Regular Pakistan Journal of Zoology personally by faculty members.
- **Research Equipment**
 - Items Purchased from HEC’s National Research Program for Universities, IFS project, PSF projects and from other departmental and university research grants
 - Refrigerators, Auto Pipettes and Electronic Pipette Controller
 - -80 C lab freezers
 - Glass ware, glass columns
 - Culture media, chemicals etc
 - Microplate reader
 - UV lamp with different ranges
 - Locally assembled shaker for flasks
 - Basic equipment Eukaryotic Cell Culture lab (Water bath, Autoclave etc)



- Basic equipment for ulcer causing microorganism culturing
- Microtome
- Micro Centrifuge
- PCR
- upgradation of general and research lab equipments
- Generator for running instruments
- Basic equipment for animal dissection facility
- **Construction Projects**
 - Established new laboratory tumor metabolism lab
 - Established basic animal house

DEPARTMENT OF ZOOLOGY

Development projects (Laboratories, Libraries, etc.)

At present the Department of Zoology has a clear vision to extend its existing research facilities. These are following main components in this respect which are given as under:

- Strengthening and up-gradation of existing facilities in Zoology Department.
- Over all improvement and renovation of the department.
- To establish field research laboratory at Fish Research Farm University of the Punjab for research students of the department.
- Establishment of Entomology laboratory for studying Biodiversity and Ecology of insects and spiders.
- To establish Animal house facilities in the department of zoology for rearing of experimental animals.
- **Research Equipment**

Department has purchased following equipments during 2017

 - Multimedia Projectors
 - Spectrophotometers
 - Computers
- **Construction projects**
 - Future Plans: For Animal House, Computer Lab, PC-I has been submitted to the University for funding. We are focusing on basic to applied researches according to the need of our country.

INSTITUTE OF APPLIED PSYCHOLOGY

- **Development Projects** (Laboratories, Libraries, etc.)
 - Experimental Labs**

The Institute has state of the art experimental laboratories which are regularly upgraded with latest Equipment and Apparatus.

**Animal Lab**

The Institute has an animal laboratory, the first of its kind in the country which provides opportunity to students to carry out pigeon experiments in the field of learning and conditioning. The students gain firsthand experience of demonstrating principles of operant conditioning on pigeons. The students learn to house, magazine train, conditioning through various schedules of reinforcement, generalization and extinction.

Human Experimental Lab

The human experimental lab is equipped with the latest apparatus to perform experiments on human memory, perception, learning, problem solving and other mental processes. The planning is underway for establishing a computerized cognitive experimental lab where memory and language experiments will be carried out on computers as well as a behavioural observation lab equipped with one way mirror screen and video facilities along with a fully equipped neuropsychology lab, which will set a bench mark in the history of the Applied Psychology in Pakistan.

Health Psychology Consultation Services Center

The Institute of Applied Psychology started its MS Health Psychology program in 2013 and to further enhance professional knowledge and expertise of its students, the Institute recently established Health Psychology Consultation Services Center which provides consultation regarding the management of psychological issues for individuals with physiological diseases under the supervision of Dr. Fatima Kamran, Coordinator MS Health Psychology program. Currently, trainee Health Psychologist are providing their consultation services to the faculty, students and staff members of the Institute free of cost.

Health Psychology Lab

To cater the professional needs of MS Health Psychology students, the Institute also provides the facility of a Health Psychology lab which is fully equipped with various equipment like sphygmomanometer, glucometer, weight machine, gym ball, treadmill, yoga mat and dumbbells. These facilities are provided to the faculty and students free of cost.

Testing Lab

The Institute of Applied Psychology takes pride in having the largest collection of international and indigenous psychological tests and evaluative techniques and still strives to add in new and latest tests to its list. Use of psychological tests is strictly monitored and is in accordance with international codes of ethics. The major collection of tests falls under the following categories:

- Intelligence Scales and Tests
- Aptitude Tests
- Personality Inventories and Tests
- Adjustment Tests



- Achievement Tests
- Art & Social Sciences Tests
- Diagnostic Tests
- Behaviour Checklists
- Language Tests
- Neuropsychological Tests
- Parental Stress Tests
- Family Relation Tests
- Interpersonal Problem Tests
- Self-Assessment Tests
- Reading Tests
- Cognitive Functioning Tests
- Executive Functioning Tests
- Memory Tests
- Vocational Test
- Indigenous Developed Tests
- Tests Translated and adapted 12

Computer Lab

There was dire need of big computer lab which could house at least one hundred students at a time. Computer lab is fully equipped with the latest computers, printers and multimedia. Computer facility is provided to students from all programs and caters students' academic and research needs. Space is also provided for the personal laptop users. Computer courses are integral part of curriculum and focus is on basic computer skills including word processing, using spread sheet such as Excel, preparing presentation using Power point and also courses on quantitative data analysis using SPSS (Statistical Package for Social Sciences) and AMOS. In addition to internet facility through University server, Wi-Fi facility is also available.

Library

Library of the Institute of Applied Psychology is among the largest libraries present in the subject of Psychology in Pakistan. It contains a collection of around twelve thousand books and journals. Collection of books include diverse fields of Psychology e.g. Clinical Psychology; Counseling Psychology; Developmental Psychology; Organizational Psychology; Educational Psychology; Social Psychology; Health Psychology; Peace Psychology; Positive Psychology; Forensic Psychology; Research Methods; History of Psychology; Neuropsychology; Experimental Psychology and Psychological Testing. The Institutional library has vast and updated collection of handbooks, encyclopedias, dictionaries and reference books. One day in a week has been allocated for students from other institutions and departments. The library remains open from 8:30 A.M. to 5:30 P.M. from Monday through Friday. Library facility is also available for users other than the Institute on



Wednesdays. Library has collection of latest journals including Journal of Consulting and Clinical Psychology, Behavioural Neuroscience, Journal of Educational Psychology, Journal of Experimental Psychology etc. In addition to the subscribed Journals, the Institute also receives numerous journals from home and abroad on exchange basis. Other important recourses for references are Institutional research theses of BS, MSc, MPhil and PhD students and Psychological Abstracts (published abstracts of students' research). Also available online at: http://pu.edu.pk/images/image/Departments/appsy/Psychological_Abstracts-2014-2016.pdf. All resources can be accessed within Punjab University LAN (Local Area Network) only. Now, you can access these databases like Science Direct, McGraw Hill, Dissertations & Theses, ACM, J Store, Emerald, ebrary and many other through one link as: <http://hec.pk.summon.serialssolutions.com>

IAP Library Services

The Library offers a variety of resources and services to students and faculty.

Online Catalogue

The Library maintains automated English catalog containing bibliographic information of the books, journals and Thesis etc. in the library. Database that is under Library Information Management System (LIMS) software is searchable through this link. <http://opac.pu.edu.pk/>.

Online Chat Service

IAP Library provides chatting facility from 8:00 am to 4:00 pm where you can with our Professional Staff related to your query through IAP Library Facebook Page <https://www.facebook.com/IAPlibrary>

Orientation Service

The library provides a wide range of user education programs to enable them to use the library to its optimum potential. The orientation programs at the time of fresh admissions are conducted each year. Visitors and delegates are also briefed by the Librarian

Internet Access Facility

Library provides the facility to get connect Internet within the library through WIFI connectivity.

Reference Service

Its function is to answer the reader's reference questions. It also answers the questions as like who is who, what is what, how and where etc. to save the precious time of the users. The reference tools like encyclopedias, dictionaries atlases etc. are available in the library.

○ **Research Equipment**

Every year latest computers are added for the scholars of MS/MPhil and PhD. The institute also provides services of latest data analysis software for which training sessions are also arranged. Each year New Psychological tests are added to the Institute's testing lab which is one of the best testing Lab with a wide range of psychological tests for the assessment of personality, intelligence, aptitude, neurological functioning, diagnostic scales, adjustment, etc.



New and up-to-date equipment was also added to Health Psychology Lab and Consultancy office in order to facilitate students as well as clients.

○ **Construction Projects**

BS (4-Years) Applied Psychology (Replica) Program was started in the year 2014 after approval by the University statutory authorities. Keeping in view the shortage of classrooms due to increase of semesters, the construction of 4 classrooms and a Seminar Hall at 1st floor of the building was planned and completed the construction till August, 2017 from the Institute's Development Funds.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

○ **Research Equipment**

- Laboratory Refrigerator Digital
- Shaking Water Bath
- Medium Speed Refrigerated
- Centrifuge

SCHOOL OF BIOLOGICAL SCIENCES

○ **Development projects** (Laboratories, Libraries, etc.)

- The infrastructure of School is distributed in three double storied buildings, adjacent to each other, which are provided with all fixtures and facilities of any modern Molecular Biology and Analytical Chemistry labs. Presently there are 14 functional and fully furnished laboratories with the necessary equipment for research work in the first building. The second building, which is replica of the first building, houses some specialized laboratories/facilities, for example, Animal Cell Culture, Radioactivity, Cold Room, HPLC, Proteomics, Atomic Absorption, Maldi-Taf Mass Spectrometry, Human Growth Hormone Laboratory, Forensic Diagnostic and Research Laboratory etc, besides a small Lecture Hall. Another small building behind the new block houses a small Animal House, an Insectary and a Green House. Another wing with 14000sq.feet plinth area is being planned. This would enable the School to expand its existing research activities. The School had plans to embark upon an extensive formal practical training programme in Molecular Biology for researcher, faculty members and post-graduate students of this university, other universities in and outside the town in Punjab and other provinces of Pakistan, but unfortunately because of problem of transfer of funds, this programme could not be undertaken with full force and enthusiasm. School is making rapid progress and is heading towards its objectives with the concerted efforts of younger faculty members, the senior faculty member as its Directors and the able guidance of a world renowned Director General.



List of Equipments From 2016 to 2017

Sr#	Equipments Name	Specifications	Qty	Year	Functional/ Non Functional
1.	Fermenters	Model: TRL-Bio-RXN Bioreactor Make: TRL Turkey	02Nos	2016	Functional
2.	Micro Centrifuge Non-Refrigerated	Model: D3024 Make: Scilogex-USA	02Nos.	2017	Non-Functional
3.	Water Distillation Unit	Model: W4L Make: Favorit	03Nos	2017	Non-Functional
4.	Horizontal Gel Electrophoresis System	Model:JY-SPDT	06Nos	2017	Non-Functional
5.	Water Bath	Model:WNB-14 Make: Memmert	02Nos	2017	Non-Functional
6.	Genetic Analyzer / Sequencer	Model:AB3500 Make ABI	01No	2017	Functional
7.	Visible Spectrophotometer	Model: Vis-7220 G Make: Rayleigh	03Nos	2017	Non-Functional
8.	Automated Cell Counter	Model: Counter II FL Make: Thermofisher	01No	2017	Functional
9.	Micro Centrifuge Refrigerated	Model:K2015R Make: Centurian. UK	02Nos	2017	Non-Functional
10.	Magnetic Stirrer Hot Plate	Model:MSH-20A Make: Daihan Scientific.USA	04Nos	2017	Non-Functional
11.	Orbital Shaking Incubator	Speed: 25 To 300 RPM Make: Local	04Nos	2017	Non-Functional
12.	Vertical Gel Electrophoresis System	Model:MGV-202 Make: CBS Scientific USA	06Nos	2017	Non-Functional
13.	Homogenizer Set	Model:OV5 Make:Velp Itly	01No	2017	Non-Functional
14.	Vacuum Pump	Model:RZ6 Make: Vacuubrand	02Nos	2017	Functional
15.	Sterilization System	30 Liters	01No	2017	Functional



CENTRE FOR APPLIED MOLECULAR BIOLOGY

- **Development projects** (Laboratories, Libraries, etc.)
During 2016-17 no development project was initiated, however, following allied works were carried out on the developmental site.
 - Repairing of floor tiles in the laboratory areas.
 - Provision of library racks for the establishment of departmental library.
 - Repair and renovation of the existing laboratory facilities were carried out to make the effective use of laboratory space.
- **Research Equipment**
 - Gel Electrophoresis
 - Vertical Refrigerator
 - Pipette Sets
 - Air Conditioner Unites/ Temperature Control Unit for laboratory equipments to maintain the temperature of equipments.

EVALUATION AND UPGRADATION OF RESEARCH LABORATORIES (EURL)

- Under EURL Establishment of a Centralized Laboratory facility at College of Pharmacy is initiated. Research projects are identified which will initially be benefit from the facility once it has established.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- **Development projects** (Laboratories, Library, etc.)

Sr. No.	Particulars	Available	Addition	Total
1	Books	5432	50	5532
2	Research Journals	266	10	276
3	Thesis (M.A)	291	4	295

DEPARTMENT OF PUNJABI

Installed one Multimedia's in Research Cell.

DEPARTMENT OF URDU

Installed two Multimedia's in the Classroom.

UNIVERSITY ORIENTAL COLLEGE

College Library

Oriental College Library is 2nd big library on language and literature of the University, comprising more than one lac collection including departmental Libraries:



- College Section: 45779 books
- Arabic: shifted New Campus,
- Persian: 7946 books
- Urdu: 19493 books
- Ref. 3112 books
- Asiatic/Regional: 2,017 books
- Oriental Publications: 12006. Books

Computer Lab

Two combined Computer Labs for all the Teaching Departments and Institute of Languages of the College, comprises on 42 computers, the students, researchers and Teachers are facilitating with the Internet service.

Language Lab

A combined Language Lab for all the Teaching Departments of this College, is consisting of 30 heads with the facility of Audio-visual aid equipments, computer and Inter net service.

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

○ **Development Projects**

New Pharmaceutical Chemistry Research Laboratory for Postgraduates and refurbishment of pharmacognosy, physiology undergraduate have been established, renovation of other under graduate Labs, and Animal house have also been established.

○ **Research Equipment**

Rotary Evaporator

○ **Construction projects**

Tough tile flooring for College of Pharmacy.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Research Equipment**

- Programmable Logic Controller Including Accessory
- Muffle Furnace (1200C) 3 x 3 x 3
- Dye Holder for Furnace S.S (20mm)
- Hot Plate Max 600c (Pak Made)
- Fume Hood With Base Cabinet KTE FH 62 3 Feet
- Digital Weighing Balance 0.1mg (0.0000) 250gm



- Hot Plate with Magnetic Stirrer 3 in One (Korea)
- Autoclave for Micro Biology BL-50L
- Hot Air Oven (Continental Trader)
- Colony Counter
- Vortex Mixer VM2 M # 1660010
- New Water Chiller for XRD Machine

CENTER FOR UNDERGRADUATE STUDIES

- **Development Projects**
 - Up-grading of Soil and Water Quality Lab
 - Up-grading of Computer Lab.
 - Installation of Security Cameras
 - Up keeping of surrounded area of main building of CIMR.
 - Placement of Honor Boards
- **Research Equipment**
 - Installation of previously purchased equipments in laboratories

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

- **Development projects** (Laboratories, Libraries, etc.)
Library: College of Earth and Environmental Sciences has added more than 120 New books in the library and number of books has been increased beyond 3772.
- **Research Equipment**
The following Research Equipment were purchased in Projects.

Sr. No.	Name of Equipment	Qty
1	Core-I-7 Computers	30
2	Chairs for Computer Lab.	30
3	Multimedia Projector Model Epson EB-1940W	02
4	Server Machine for Geomatics Laboratory	01
5	LED Screen	01
6	Bar Code Scanner	01
7	Digital Balance	01
8	Water Bath Assembly	01
9.	pH Meter	01

- **Construction Projects**
CEES is going to upgrade and strengthen its Laboratory Set-ups.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Development projects** (Laboratories, Libraries, etc.)
 - The existing Computer Lab. is significantly updated by adding new & latest computers;



- The classrooms are equipped with audio visual and projector facilities;
- The Library of the College was computerized and computer facilities are also available in the Library;
- A separate computer lab for the research scholars is also established in the College.
- **Construction Projects**
 - The construction work of administration block and four academic blocks have successfully completed and sifted there.

DEPARTMENT OF GEOGRAPHY

- **Development projects** (Laboratories, Libraries, etc.)
5 Labs. & One Library
- **Research Equipment**
Sound level meter and 13 computers

DEPARTMENT OF MATHEMATICS

- **Development projects** (Laboratories, Libraries, etc.)
 - i. Three Computer Labs.
 - ii. One Library
- **Research Equipment**
108 Computers
03 Multimedia

DEPARTMENT OF PHYSICS

- **Development projects (Laboratories, Libraries, etc.)**
 - The existing Computer Labs have been significantly updated by adding new & latest computers.
 - The Library of the Department has been computerized and now students can avail computer facilities in the Library.
 - A separate computer lab for the research scholars is also established in the Department.
- **Research Equipment**
 - The following research equipment/Labs are available in the Department for the M.Phil/ PhD research work.
 - XRD Lab, Computer Lab, FTIR Lab, SPS Labs.

INSTITUTE OF CHEMISTRY

A number of were purchased in order to boost the research trend in the institute. Like every year, in last year books related to literature and chemistry has been purchased. No considerable construction projects were launched in last year.



INSTITUTE OF GEOLOGY

Development projects (Laboratories, libraries, etc.)

- Upgraded the class rooms of the Institute
- Upgraded Engineering Geology Laboratory set-up.
- Furnishing of the Geological Museum
- Upgradation of Seminar Hall

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Development projects (Laboratories, Libraries, etc.)

- Electronics Lab
- Open Source and E-Lancing Lab (50 Computers)
- MS-Lab Old Campus (25 Computer)
- MS-Lab New Campus (15 Computer)
- Lab-A (95 Computer)
- Lab-B (60 Computer)
- Lab-C (100 Computer)
- Lab-D (100 Computer)
- Lab-A New Campus (60 Computer)
- Lab-B New Campus (60 Computer)
- MCSE Lab (50 Computer)

○ Research Equipment

The following research equipment was purchased for the said tenure.

Sr. #	Product	2016-17
1	Mobile Phones	5
2	Laptops	11

○ Construction projects

- Improvement of existing boundary wall with fixing of razor wire at PUCIT New Campus.
- Construction of tough tiles approach passage from Samsani Road to Main Gate at PUCIT New Campus.
- Construction of Prayer area at PUCIT New Campus.
- Construction of Metallic approach road at PUCIT New Campus.
- Construction of new stairs in Building B at PUCIT New Campus.
- P/L of Floor tiles at GIS Centre at PUCIT New Campus.
- Construction of new parking lot near building B at PUCIT New Campus.
- Development of play ground near main gate at PUCIT New Campus.
- Construction of boundary wall around the newly allocated land.(in progress)
- Construction of three more Stores (in Progress)



SCHOOL OF PHYSICAL SCIENCES

- **Development projects** (laboratories, Libraries, etc.)

Some projects are in progress to equip laboratories as per requirements by SPS. Advance Chemistry and Molecular Research Laboratory has been developed at SPS and all equipments are now in working condition.

- **Research Equipment**

Followin equipment was managed.

- **Construction Projects**

With the induction of more M.Phil and PhD students and availability of the grants, the current infrastructure will be further expanded according to requirement for Research and teaching activities necessary for the development of the School in order to cope with future challenges of Research Innovation and Development.



Chapter

8

STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

- *Digital Library*
- *PERN*
- *Video Conferencing*
- *Campus Management Solution*
- *Web Portal*
- *Development of Online Admission System*

**CHAPTER**
8**Strengthening Technological Infrastructure****INFORMATION TECHNOLOGY CENTRE****Introduction**

Punjab University is the first public sector university in the field of IT to lay down 47 Km. long Fiber Optic Cable Network: having 74 optical fiber nodes serving all departments, hostels and Administrative Block through local area network. Now there are over 7000 state of the art computers and more than 16,000 laptops (PM, CM Laptop scheme for students) in university. Computer culture has been created.

To manage all the activities of the overall IT Infrastructure i.e. Network Development, Expansion, Maintenance/ Troubleshooting services (Network, Hardware and Software), Software Development, Database Management, Website Design & Development, online Announcement of Examination News, Notice & Results, 24-hour Internet facility, the University of the Punjab has full-fledged services department in Quaid-i-Azam/ Allama Iqbal Campus, namely the INFORMATION TECHNOLOGY CENTRE (IT Centre). This Centre is striving for the growth and evolution of new IT services in the University. Bandwidth has been gradually increased from 64Kbps to 670Mbps in Quaid-e-Azam Campus and 150Mbps in Allama Iqbal Campus against PERN2 project, 16Mbps in GIS Centre (New Campus), 16Mbps in Gujranwala Campus and 16Mbps in Jhelum Campus.

Details of the services provided by Information Technology Centre are as follow.

Our Services

- Networking
- IP Telephony
- PERN
- PERN 2
- *Nagios Monitoring Server*
- E-Mail
- Software Development
- Web Portal Design & Development
- Licensed Software Distribution
- Digital Library
- Campus Management Solution
- Maintenance Activities
- Hardware Lab
- Video Conferencing



Network

IP Telephony Project (VOIP)

A project of IP Telephony has been initiated and successfully implemented by Information Technology Centre in the university. Using IP phone, any employee of the University can communicate with others just like traditional telephone with much better voice quality and with the saving of their telephonic cost. This facility is totally FREE for all the university employees having IP phone. IT Centre is providing all kind of support in its installation and smooth working in the university.

IT Centre installed 232 IP phones in Administrative and Academic heads' offices. The incoming calls from any network (Mobile, PTCL, NTC etc.) are enabled on these IP phones.

IP Telephony has come of age and has proven capable of delivering cost savings and productivity increases for businesses of all sizes. In fact, the adoption of IP Telephony is gaining momentum, with primary business drivers being:

- Provide highly secure, reliable, scalable communications that take advantage of your LAN
- Lower equipment administration costs
- Lower voice costs
- Centralized network control and management
- Conference calling
- Call transfer facility
- Corporate Directory
- Ability to quickly relocate phones or phone systems temporarily in an emergency

PERN

The University of the Punjab has the largest IT Network Infrastructure to serve the IT needs in the best and latest possible ways. The University of the Punjab has the largest Fiber Optic Cables Local Area Network involving more than 48.8KM single and multimode fiber optic cable as backbone with more than 7,000 nodes and more than 16,000 laptops, which provide intranet & internet facility between all existing departments offering E-services like Email/ Internet facilities. Previously deployed 232 VOIP IP phones over both campuses are in operation, and capable of free calls within the Campuses and enabled receiving Calls from external network (Mobile, PTCL, NTC etc.).

Internet bandwidth has been gradually increased in last few years up to 670Mbps in Quaid-e-Azam Campus, 150Mbps in Allama Iqbal Campus, 16Mbps in New Campus GIS Centre, 16Mbps in Gujranwala Campus and 16Mbps in Jhelum Campus for students, faculty members and researchers which is the highest bandwidth among any Public Sector University in Pakistan. Similarly in Allama Iqbal Campus, IT Centre has established a Server Room in College of Pharmacy, and LAN Network through Fiber Optic Cables as backbone among different



departments including PUCIT, CAD and College of Pharmacy and wireless point to point link between IT Centre to Hailey College of Banking & Finance and Oriental College.

Layer 3 Core (Huawei S7700 Series) and distribution (Huawei S5700 Series) has been installed in the replacement of AT Core and Distribution switches which is capable of enabling more secure and smooth services. Following key advantages have been achieved by this replacement:

- The RIP will be replaced with Switched Routing (Inter-VLAN Routing) with better performance due to lower overheads. In this way we are going to use both Switching & Routing design benefits.
- All Virtual Local Area Network (VLANs) traffic will flow over trunk interface configured between core and distribution.
- Access Virtual Local Area Network (Access VLANs) and Switch Virtual Interface (SVI) will be configured at core and distribution switches for Routing Purpose.
- Security feature like ARP Attack, LAN Attack, etc. will be deployed at both core and distribution switches. In addition access can be block and permit for inside IP subnets using ACL.
- Live IP can be assigned at core switch Ethernet interface for management and GRE tunnel translation.

PERN-2

I.T Centre is connected through PERN-2 Project, in which all leading universities of Pakistan are connected at 1Gigabit optical fiber and 10 Gigabit Optical Fiber backbone. The University of the Punjab is the LA-PoP (Local Access Point of Presence) for the PERN-2 setup for other universities in Lahore. IT Centre using 868Mbps bandwidth through PERN-2 Project in Quaid-e-Azam Campus and Allama Iqbal Campus and Jhelum Campus.

Data Centre/ Server Room

University I.T Centre (Quaid-e-Azam Campus) is equipped with the latest network and supporting hardware that includes 2500/3600/3845 Series Cisco Routers, NE20 Router, Core switch, switch blade, high-end layer 3/2 manageable and unmanageable switches, Cisco Pix Firewall 525, IBM Power Series Server in Data Centre, Proxy Servers, Web Servers, FTP Server and a DNS Server with the latest specifications round the clock with advanced level of UPS and power generator.

Wireless Network

IT Centre provides internet facility to the following departments by Wireless connectivity:

- College of Statistical and Actuarial Sciences New Building
- Punjab University Colony
- Department of French in Quaid-i-Azam Campus.
- Hailey College of Banking & Finance



- Oriental College
- Centre for Applied Molecular Biology
- Bachelor Male Teacher Hostel (BMT)

Wi-Fi/ Wireless internet facility in the Departments/hostels

I.T. Centre has installed Wi-Fi equipment in all Hostels to provide the Internet services to the students.

Wi-Fi equipment installed in following Departments in last few years.

- Department of Political Science
- Punjab University Colony
- Jhelum Campus.
- Islamic center Hostel.
- Department of Sports and Physical Education
- College of Statistical and Actuarial Sciences New Building
- New Building of Department of Information Management.
- Department of Arabic.
- Department of Sports Sciences & Physical Education.
- Department of Mathematics.
- Department of English Language and Literature new computer lab.
- Department of Mosque Punjab University.
- Router Installation in Audit Branch Admin Block.
- Oriental College.
- New Building of Department of Textile Engineering & Technology
- Deputy Registrar Admin. II Wi-Fi
- Computer lab in Department of English language
- Department of Arabic
- Department of Sports Sciences & Physical Education
- New Building of Department of Information Management.
- Academic Branch
- Islamic Centre Wi-Fi Routers
- Institute of Chemistry Dr. Zaib ul Nisa lab
- Department of Social Work.
- Sub Engineering Office Hostel Area.
- Old Building of Mathematics Department.
- College of Engineering and Engineering Technology.
- Department of Zoology Networking Equipment.
- Child Welfare Centre.
- Gymnasium at New Campus



- New Building of Department of Information Management.
- Department of Arabic
- Department of Sports Sciences & Physical Education
- New Building of Department of Textile Engineering & Technology.
- Department of Mathematics
- Wi-Fi in Deputy Registrar Admin. II

UTP Cable LAN

Following new extension in the UTP Cable network/computer Labs has been completed in the current year.

- Centre for Applied Molecular Biology.
- Academic Branch Admin block.
- New Building of Department of Information Management.
- Department of Arabic.
- Department of Sports Sciences & Physical Education.
- New Building of Department of Textile Engineering & Technology.
- Shifting of Department of Mathematics.
- Department of English Language and Literature new computer lab.
- Dy. Treasurer II Expenditure Section.
- Networking between Expenditure Section and Cheque Section.
- Deputy Registrar Admin. II
- Department of Mosque Punjab University.
- Career Counseling & Placement Centre.
- IP Telephone in Institute of Education and Research.
- Department of History and Pak Studies.
- New Computer Lab in College of Earth and Environment Sciences.
- Chief Security Office to Assist. Treasurer Purchase.
- Boys Hostel no. 07.
- New Building of Mathematics.
- Coal Department upper portion.
- New Building of Department of Information Management.
- New Building of Department of Textile Engineering & Technology.
- GIS Centre.

Nagios/Cacti Monitoring Server

Nagios/Cacti Monitoring server has been deployed for continuous monitoring of network nodes including important devices and systems. This system is very helpful for fault detection and its elimination. The support section continuously monitors device & systems through this and take prompt action to avoid down times. There are over 390+ nodes monitored through this monitoring server which are regularly increasing as growth in infrastructure.

**Fire Alarms/ Extinguishers**

Fire alarms & extinguishers have been installed in IT Centre Data Centre and Server Room to overcome any unavoidable circumstances. The alarm has been connected in security guard's room to respond quickly in case of any fire or smoke.

Software Development

The Software Development section of Information Technology Centre is actively participating in development of Software Systems of the University of the Punjab. The following Software Systems were developed, implemented and are being maintained by the IT Centre software section.

Deployed Software

- MLIMS (Multilingual Library Information Management System)
 - MLIMS Software for computerization of library which covers whole aspects and all areas of Library management. It is a desktop application which fulfills all needs of any library. This application has been installed and successfully implemented in 50 departmental Libraries. New features are added in the software e.g importing data from LOC.
- OPAC (On Line Public Access Catalog)
 - OPAC provides Simple Search and Binary Search of books. Simple search means only one criteria, binary search means more than one criteria's with "AND" "OR" option.
- Serials (Under Construction)
- Electricity & Gas Billing System
 - A new feature was developed in the Billing System for Engineering Branch, to enhance the productivity of the existing software and help the personnel of the Engineering Branch.
- Payroll Management System for PU Accounts Branch
- PU Fee Section (Accounts Branch)
- HR Management System
- Online Registration Portal
- HEC E-portal
 - Information regarding current and previously offered degree programs by Punjab University was inserted into HEC Pakistan Qualification Register (PQR) database. This database is used for many tasks by HEC like degree attestation and scholarships etc.
- *Fee Management System (Fee Section - Accounts Branch)*

Campus Management Solution

IT Centre CMS Section is providing support to the different departments of University of the Punjab across all campuses in terms of training and technical support. IT Centre has its own computer lab for the Campus Management Solution, equipped with latest multimedia and computers. IT Centre is also managing the Data Centre of Campus Management Solution and providing 24/7 access to all departments.



The main modules of this ERP are:

Recruiting & Admissions

- Student Records
- Gradebook
- Academic Advisement
- Student Financials & Administration
- Hostel Management Solution
- Self Service (Instructor & Students)

CMS Trainings

Training of all modules has been given to each & every department. The training videos are also available on Punjab University website for user's benefit. Moreover training in CMS is ongoing process, any department wants the training for its new staff can send their staff in IT Centre Lab. for CMS training in any working day.

CMS Helpline

This is an online portal for end users to log their queries regarding any issue they face while using CMS. <http://111.68.103.26/home/cmshelpline/>

Web Section**Web Portal**

The core function of the web section is to update Punjab University website (www.pu.edu.pk) and to design & develop the new portals/ websites for its departments. Web Section has been involved in all stages of the development of web sites - right from planning, design, quality control, launching to online promotion and monitoring.

PU Journals

Almost 40 departmental journals websites are designed and developed by IT Centre web-section, some of them are with the frequency of Bi-annually, annually. Around 80+ journals have been updated last year.

Support Services*Supports Section*

Support Section, IT Centre Punjab University provides support and maintenance of all network communication infrastructure required to sustain the IT activities within University premises, both Old Campus and New Campus. Network infrastructure plays an increasingly central role in enabling the high levels of agility one need to respond quickly to educational opportunities and challenges. Staff is also involved in preparation of estimates for network extension and new departments in the university. Support Section performs activities of network troubleshooting, hardware and software installation, conduction of seminars, convocations and conferences in various departments. Complaint Management System is available to register the complaints of



the Punjab University Staff for PC and network troubleshooting. PU Staff can register complain within university <http://10.0.26.251/sms> and can see its status as well.

Hardware Section

Hardware Section specializes in repairing like troubleshooting service for all kinds of computer hardware related problems, including power supply, motherboard, graphics card and hard drive faults. Offer an assembly and upgrading service to Staff Members who would like to increase the specification of their PC. Offer advice on hardware related issues, such as general hardware configuration.

Microsoft NSSA Web Portal Accounts Services

Punjab University IT Centre is providing NSSA (National Student Software Accessibility) Web Portal services with Collaboration of HEC & Microsoft to all Faculty Staff and Students of the University. The entire Faculty and Students of Punjab University will now be able to get Microsoft software catalog FREE OF COST through NSSA Web Portal.

NSSA is a web-based management system which enables you to make MSDNAA (Microsoft Software Developers Network Academic Alliance) software easily available to your students and faculty. In other way, this is your University's software distribution website. You can register & download available software.

Login Page to Microsoft Portal

<https://e5.onthehub.com/WebStore/Account/AccountDetailsRegistration.aspx?ws=6f9be4e8-e1c1-e011-ae14-f04da23e67f6&u=6778866d-13ce-e011-ae14-f04da23e67f6&JSEnabled=1>

Video Conferencing

Education is changing very rapidly, and keeping pace with the evolving technology of the day are teaching practices. As the world shrinks and becomes one big united village, Video Conferencing has made its way into the classroom, and has proved to have innumerable benefits.

IT Centre established a Video Conferencing Hall in the premises of Centre for Under Graduate Studies. Students, Teachers and Management staff are now able to connect the national and international universities for video Conferencing. Videoconferencing provides students with the opportunity to learn by participating in two-way communication.

Some of the notable advantages of video conferencing are as follows:

- Improving productivity and efficiency.
- Accelerating decision-making process.
- Increasing access to information and experts.
- Reducing travel time, stress and expenses.
- Allowing more efficient allocation of resources.

Web link for availing video conference facility

<http://pu.edu.pk/downloads/dwnfiles/REQUISITION%20FORM-Video%20Conf.doc>



Faculty of Arts & Humanities

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Campus Management Solution**

Almost all the results, result cards, academic transcripts and final transcripts are prepared on the CMS. CMS is actively operational in the Department.

PAKISTAN STUDY CENTRE

- **Digital Library**

Centre provides electronic access to Punjab University's Main Library and HEC Digital Library through its computer lab for students and researchers.

- **PERN**

The Centre is connected to PERN which is a national research and education network of Pakistan which connects premier educational and research institutions of the country.

- **Campus Management Solution**

Implementation of Punjab University's Campus Management Solution has been accelerated and required key information have been updated in the CMS system.

- **Web Portal**

Centre's significant activities are publicized through social media.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Digital Library**

Working to convert the old system into new software

- **Campus Management Solution**

Trained the staff on handling the CMS. Presently entering data directly into the New software CMS.

- **Web Portal**

Strengthening the website of the Department. Planning to start on-line short courses.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Digital Library**

The ISCS has access to digital library through Punjab University library.

- **PERN**

The ISCS utilizes the facility of online journals, online research resources through Punjab University digital library using PERN band width.



- **Campus Management Solution**

The ISCS on a regular basis updates its semester results and admission records through Campus Management Solution of Punjab University.

- **Web Portal**

Punjab University IT Centre is providing NSSA (National Student Software Accessibility) Web Portal Service with the collaboration of HEC & Microsoft to all the faculty members and students of the University including this Institute.

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

The College has WiFi facility for Students and Staff members.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Campus Management Solution**

Presently in operation

- **Development of online admission system**

In progress

DEPARTMENT OF INFORMATION MANAGEMENT

- **Digital Library**

- The teachers and students make extensive use of HEC online sources to fulfill their academic and research needs.
- The Department has developed its own digital library which is accessible on the intranet to the faculty and researchers

- **Campus Management Solution**

The department has been entering its data in CMS and the work is in progress.

- **Development of online admission system**

We made use of the system as per requirement.

INSTITUTE OF ADMINISTRATIVE SCIENCES

- **Campus Management Solution**

Campus Management Solution has been accelerated and required information have been uploaded in the CMS system.



INSTITUTE OF BUSINESS ADMINISTRATION

There are more than 4228 books in the departmental library along with more than 1200 MBIT Thesis and Internship Reports. The institute is using maximum modern facilities such as computer hardware and software, internet, and multimedia equipment. The institute has three computer labs with 244 computers.

- Web Site: www.ibitpu.edu.pk
- Online Admission System: <http://www.ibitpu.edu.pk/admission/>

Faculty of Education

INSTITUTE OF EDUCATION & RESEARCH

- **Digital Library:** Partially
- **Video Conferencing:** Yes
- **Campus Management Solution:** Yes

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **Campus Management Solution**
CMS system is being actively followed

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Web Portal**
University web portal

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Digital Library**
The institute is currently being benefited from the digital libraries hosted by the HEC, PU located in the main library.
- **PERN:** Faculty members are encouraged to utilize the PERN.
- **Video Conferencing**
The Institute is utilizing video conferencing facility of the university on need basis.
- **Campus management solution**
The institute has implemented the Campus Management solution for managing student enrollment and examinations. Most of the faculty members have been using Turnitin software for the publication. All MS thesis are mandatory to be tested for plagiarism by this software. All the transcripts are been generated using CMS.



- **Web Portal**

The Institute has a shared web portal with University of the Punjab.

- **Development of online admission system**

The Institute of is planning to develop online admission system to facilitate the candidates in the admission process. However, merit lists are generated collectively for all Engineering disciplines using computer software. After admission process, a CMS formulated by HEC is introduced in the Institute to notify admission lists and results announcements.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Digital Library**

Digital Library service is available.

- **Video Conferencing** facility is available in the University campus and can be arranged whenever needed.

- **Campus Management Solution (CMS)** has been successfully operating in the institute.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Digital Library**

All the library books etc have been successfully digitalized through MLIMS Software

Faculty of Oriental Learning

UNIVERSITY ORIENTAL COLLEGE

College Library

Oriental College Library is 2nd big library on language and literature of the University, comprising more than one lac collection including departmental Libraries:-

(1) College Section:	45956 books	(2) Arabic:	shifted New Campus
(3) Persian:	8076 books	(4) Urdu:	19924 books
(5) Ref.	3126 books	(8) Asiatic/Regional:	2,017 books
(9) Oriental Publications:	12012 books		

Computer Lab

Two combined Computer Labs for all the Teaching Departments and Institute of Languages of the College, comprises on 42 computers, the students, researchers and Teachers are facilitating with the Internet service.

Language Lab

A combined Language Lab for all the Teaching Departments of this College, is consisting of 30 heads with the facility of Audio-visual aid equipments, computer and Inter net service.

**DEPARTMENT OF HINDI**

Hindi department has implemented the Campus Management Solution for managing student's enrollment and examinations. A Junior Clerk has been deputed to work on this task.

Faculty of Life Sciences**CENTRE FOR CLINICAL PSYCHOLOGY**

- **Campus Management Solution**
Students Management System (SMS) is used for the admissions, results, classes and accounts related activities.
- **Web Portal**
Information regarding Centre is available on Punjab University Web Portal.
- **Development of online admission system**
In future admissions will be conducted through online admission system through SMS.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Digital Library**
Digital library resources are available in the Centre as well as in the hostels for the students and faculty members.
- **PERN**
PERN 2 is operational for wired and wireless internet as well as intranet.
- **Video Conferencing**
Polycom VSX-7000 video conferencing solution is available for national and international communications.
- **Campus Management Solution**
Availing CMS deployed by the University of the Punjab.
- **Web Portal**
Website is available for the Centre <http://www.cemb.edu.pk>

DEPARTMENT OF BOTANY

- **Campus Management Solution:** Yes available

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Campus Management Solution**
Complete record of departmental students has been updated in CMS. Five office staff is continuously working on it.



DEPARTMENT OF ZOOLOGY

- **Campus Management Solution**
Work is being done and an official has been assigned duties of CMS.
- **Development of online admission system**
Work is being done and an official has been assigned duties of CMS. (data attached in cms formate)

INSTITUTE OF APPLIED PSYCHOLOGY

- **Digital Library**
At present, Institutional students are given access to Digital Library of HEC. The Digital Services of the Punjab University Main Library are also accessible from the webpage of the University. Digital Access is provided free of cost to almost world famous journals/e-books i.e. full access to JSTOR, Science Direct, EBSOHOST, IEEE etc.
- **PERN**
Digital Services being provided by the University is based on PERN. This project is also supporting the students in their research activities as non-stop access to internet is given to the students through cable and Wi-Fi connections.
- **Video Conferencing**
Presently institute strongly feels need of Video Conferencing facility and aims to develop infrastructure for the same.
- **Campus Management Solution**
Campus Management Solution (CMS) is also in progress and all the data of the students is entered in this database every year after new admissions and passing out student results.
- **Web Portal**
The Administration of the Institute in collaboration with University IT department is in the process to have one dedicated webpage for the Institute. In this regard some paper work has already been done on development of alumnus portal.
- **Development of online admission system**
Presently there is no provision of online admissions in the institute. In near future this institute is planning to have online admission system which will facilitate the general public in meeting admission process more easily.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

- **Digital Library:** Under process
- **PERN:** Yes
- **Video Conferencing:** Yes
- **Campus Management Solution:** Under process



- **Web Portal:** Yes
- **Development of online admission system:** Under process

SCHOOL OF BIOLOGICAL SCIENCES

- **Video Conferencing:** Yes

CENTRE FOR APPLIED MOLECULAR BIOLOGY

- **Web Portal**
Website is available for the Centre <http://www.camb.edu.pk>
- **Development of online admission system**
Development of online admission system is in progress.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Digital Library**
The Centre is providing the digital library facilities to the students with the help of University Digital Library System.
- **Video Conferencing**
The Centre is utilizing video conferencing facility of the University on need basis.
- **Web Portal**
Website is available for the Center <http://www.cimr.edu.pk>
- **PERN**
Digital services being provided by the University is based on PERN

CENTER FOR UNDERGRADUATE STUDIES

- **Digital Library:** under process
- **Video Conferencing:** Fully functional
- **Campus Management Solution:** under process
- **Web Portal:** Fully Functional

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

- **Digital Library**
Efforts are being made to convert the College Library to a Digital Library. The whole data of books is being computerized.
- **Campus Management Solution**
A CMS committee is continuously updating the data of the college in CMS



- **Web Portal**

The College of Earth and Environmental Sciences has established its web portal "www.cees.edu.pk

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Digital Library**

Synchronization with PU Main Library for the use of digital library facilities to our students is under the way.

- **Video Conferencing**

Presently not in operation, however, equipment & techniques are available in the College

- **Campus Management Solution**

Almost all the results, result cards, academic transcripts & Final Transcripts are generated from the CMS. CMS is 75-80% operational in the College.

- **Web Portal**

Updated information regarding our College is available at www.pu.edu.pk

DEPARTMENT OF GEOGRAPHY

- **Digital Library:** Yes

- **Video Conferencing:** Yes

- **Campus Management Solution:** Yes

- **Web Portal:** Yes

- **Development of online admission system:** Yes

DEPARTMENT OF PHYSICS

- **Digital Library**

Synchronization with the PU Main Library to avail digital library facilities available is in process.

- **Campus Management Solution**

Almost all the examination results, result cards, academic transcripts & final transcripts are generated from the CMS. The CMS is 70-85% operational in the Department.

- **Web Portal**

Updated information regarding our Department is available at www.pu.edu.pk

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Digital Library:** Yes

- **PERN:** 150 MB Bandwidth

- **Video Conferencing:** Yes

- **Campus Management Solution**

CMS provides the standard tools for faculty to manage their online courses, process assignment, maintain grade books and stay in contact with colleagues and students.



Students enjoy being able to easily see their assignments, lessons and other information for all of their classes like semesters transcript etc. staff benefits from services such as built-in help desk, textbook requisitions, exam scheduling and faculty/course changes.

- **Web Portal:** Completely redesigned and implemented PUCIT web page: www.pucit.edu.pk
- **Development of online admission system:** Yes

SCHOOL OF PHYSICAL SCIENCES

- **Digital Library**
Digital Library facility at main library of Punjab University is available. Video conferencing facility is also available in the university campus and can be arranged whenever needed.
- **Campus Management Solution (CMS)** has been operating in the University.

Punjab University Gujranwala Campus

- **Digital Library**
PUGC library has the access to HEC Digital Library on JSTOR, Emerald, Springer Link and Wiley Online Library.
- **PERN**
Punjab University Gujranwala Campus has been selected as Aggregation Point of Presence (A-POP) for the connectivity of PERN2 by the HEC. PUGC is utilizing 8 MB of internet bandwidth on PERN2.
- **Video Conferencing**
The equipment for video conferencing is available at PUGC.
- **Campus Management Solution (CMS)**
The Campus Management Solution is functioning and the following modules have been used:
 - Student Application Entry
 - Term Activation
 - Student Enrollment
 - Student Grading and Enrollment
 - Student Financials

Punjab University Jhelum Campus

- **Digital Library**
PUJC library has the access to HEC Digital Library on JSTOR, Emerald, Springer Link and Wiley Online Library & all basic resources is available.



- **PERN**

Punjab University Jhelum Campus has been selected as Aggregation Point of Presence (A-POP) for the connectivity of PERN2 by the HEC. PUJC is utilizing 8 MB of internet bandwidth on PERN2.

- **Campus Management Solution (CMS)**

The Campus Management Solution is functioning and the following modules have been used:

- Student Application Entry
- Term Activation
- Student Enrollment
- Student Grading and Enrollment
- Student Financials

Library software (MLiMS) OPAC is available for student at PU official web site.



Chapter

9

UNIVERSITY BUILDING COMMUNITIES

- *University-Community Interaction*
- *University's Role in Building Community*
- *Alumni Affairs: Outstanding Achievements etc.*



CHAPTER 9

University Building Communities

Faculty of Arts & Humanities

DEPARTMENT OF ARCHAEOLOGY

- **Alumni Affairs:** Outstanding Achievements etc.
The students were taken for field studies and practical training in museology to the various archaeological sites and museums.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Department- Community Interaction**
Supporting *Abroo* for the education of underprivileged children through waste recycling
- **Department's Role in Building Community**
Funding one child's education for TCF (The Citizen Foundation)
Funding one child's education for HASIL Foundation

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Alumni Affairs:** Outstanding Achievements etc.
Annual dinner of Old Historian Association was arranged in April 2017. Department arranged convocation for student in first time in the department history in 22 April 2017.

DEPARTMENT OF PHILOSOPHY

- **Department-community interaction**
The aim of these academic programmes is to produce qualified researchers in field of Pakistan Studies. The students have already started contributing research articles in journals of national and international repute. It is hoped that this qualified manpower would produce research on issues of national and international importance.
- **Department's role in building community**
 - The Centre has been promoting awareness about Pakistan through observing days of national significance by holding seminars and special lectures.
 - The Centre also has a Character Building Society of the Centre comprising faculty members and research students of the Centre.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

- **Department's role in the building community**
The department of French has always made efforts to develop linkages and to build community with other sections of the society. This year too, as usual, the department



organized Guest Lectures and Discussion sessions related to social grooming, ethics and discipline in society, etc. Eminent personalities from society and academia are also invited at such occasions and their interaction with students is an important step in the capacity building of our youth.

- **Alumni affairs:** outstanding achievements etc:
Some of the top graduates of the French department were offered scholarship to pursue their doctoral studies in French universities. Others were offered career opportunities as educators in esteemed and reputed institutions where they are working with ambition.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Alumni Affairs:** Outstanding Achievements etc.
“Gender Alliance” is Alumni of the department and has membership of around 425 student graduates.

DEPARTMENT OF SOCIAL WORK

- **University Building Communities**
As a Faculty of Behavioral and Social Sciences, the Department took part in different workshops and seminars organized by Dean, Faculty of Behavioral and Social Sciences in the said year.

INSTITUTE OF COMMUNICATION STUDIES

- **Department’s role in building community**
Institute of Communication Studies is playing pivotal role in strengthening the community of the media professionals as well as community at the larger level. The Institute arranges various types of seminars, workshops, and lectures for highlighting and solving their issues related to the Pakistan society especially with reference to the media.
- **Alumni Affairs: Outstanding Achievements etc.**
Meetings are causally held with the following significant Alumni.
Mr. Arif Nizami, Mr. Zahid Malik, Mr. Shuaib Bin Aziz, Mr. Shakoore Tahir, Mr. Asghar Abdullah, Mr. Sarwar Muneer Rao, Mr. Hamid Mir, Mr. Arshad Ansari, Dr. Waqar Chaudhry, Mr. Ashraf Azeem, Rizwan Ur Rehman Rizi Mr. Imran Mir, Taseer Mustafa, Muhammad Junaid, Muhammad Ajmal Jami, Nabeeha Ijaz, Huda Ikram, Sagheer Rame, Karmat Bhatti, Rameez Khan, Majid Nizami, Hafiz Usman, Asif Jafari, etc.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Department-community interaction**
Efforts are made in this context through regular ‘Field Work’ activity and internship activities carried out in all the departments of this Institute.



- **Department's role in building community**
Internship of students is an in-built component of the curriculum taught in all the department of ISCS. Through this activity students are given an understanding of the realities of issues discussed with them during their classes. Small projects are allocated to students concerning social welfare and urban development.
- **Alumni Affairs: Outstanding Achievements etc.**
 - The Annual get-together of Alumni Association of Punjab University Sociologists (AAPUS) was arranged at Institute of Social and Cultural Studies on 25th March, 2015. Various eminent sociologists attended this get-together.
 - Many Alumnus of the Institute are pursuing higher academic degrees in various high profile universities across the globe. An Alumni directory is in process to compile the achievements of Alumnus.

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

- **University – Community Interaction**
We have organized interactive and religious culture in our college. We strictly observe discipline.
- **University's Role in Building Community**
SOPs set by University are strictly observed and implemented. Moral & Ethical values are strictly observed.
- **Alumni Affairs: Outstanding Achievements etc**
We have recently announced on the college Website the establishment of our Alumni Association and we are hoping to institutionalize its affairs. This effort will be beneficial to all stakeholders.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Department-community interaction**
Prof. Qazi M. Farid Memorial Society

DEPARTMENT OF INFORMATION MANAGEMENT

- **Department-community interaction**
 - Department of Information Management in collaboration with PU Library held a seminar to celebrate World Book and Copyright Day on April 19, 2017. The guest speakers Punjab Higher Education Commission Chairperson Prof. Muhammad



Nizamuddin, Mujeeb Ur Rehman Shami (renowned journalist and Chief Editor, Daily Pakistan) and Fakhar ul Haq Noori (Dean Oriental Learning, PU) talked about the importance of books and reading in building civilized society. The Vice Chancellor, Prof. Zafar Mueen Nasir was the Chief Guest of the Seminar.

- As mentioned above, the Department conducted collaborative workshops for librarians, researchers and faculty staff within and outside the Department.
- **Department's role in building community**
Through patronizing alumni association and organizing various activities, the Department is playing a pivotal role in bonding the community.

INSTITUTE OF ADMINISTRATIVE SCIENCES

- **Alumni Meetings:** Outstanding Achievements etc.
Our alumni body is a source of continued support for the Institute. The alumni networks that serve the leading organizations throughout the country facilitate existing students through professional interaction, internships and job placements. Alumni network reunions are regularly conducted to strengthen relationships with our stakeholders. IAS receives an overwhelming response in such reunions every year.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Department-community interaction**
 - Blood camp for Shaukat Khanum Memorial Cancer Hospital and Research Centre arranged by this institute on 1st February 2017.
 - Zakat drive for Shaukat Khanum Memorial Cancer Hospital and Research Centre conducted by students of this institute from 22nd January 2017 to 24th May 2017.
 - IBA was handed over Business Administration Centre (BIC) which is a great opportunity for boost of SMEs to help individuals create and nurture small startups at our cell and then become drivers for a strong economic community inside Pakistan.
- **Alumni Affairs:** Outstanding Achievements etc.
IBA Alumni Annual Dinner & General Body Meeting was arranged on Saturday February 4, 2017 at Institute of Business Administration, University of the Punjab, Lahore.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **University-community interaction**
 - Department is providing assessment of ear with the latest audiology equipment in Audiology lab of the department
 - Ph.D and M.A. Students are deputed by the department to serve in special education institutions and Hospitals as a special educationist.



Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **Department-Community Interaction**
Department effectively interacts with the community including students' parents, consultants, industrialists and public media persons etc.
- **Department's role in Building Community**
Centre for coal technology is playing a vital role in community building by providing consultancy and solutions to the local industries, which are switching to coal rapidly. In addition, industrial sample testing is provided at convenient rates.
- **Alumni Affairs: Outstanding Achievements etc.**
Students employment rate is above 80%.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Department Community interaction**
 - Community interaction with electronic media e.g. Facebook pages
Three pages are active
 - Department of Polymer Engineering and Technology
 - Polymer Club
 - Society of Polymer and Material Engineering
- **Departments's Role in building Community**
Due to department's interaction with the universities and industry we are helping in development of products which are useful for human use and helpful in increasing the quality of life in many ways. Therefore, we have a strong impact for building community.

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

- **Alumni Affairs**
Department of Metallurgy and Materials Engineering was associated with Institute of Chemical Engineering before 2005 and after 2005 it comes under the umbrella of College of Engineering and Emerging Technologies University of the Punjab Lahore. Thousands of students have been graduated from this department. Lot of graduates is currently working in top government, research and multinational organizations within and outside Pakistan. Moreover our graduates got admissions in world best institutes for postgraduate studies.



INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Institute-community interaction**
The institute appreciates community interaction activities among the students and faculty. In this regard institute is continuously interacting with the industry as well as international faculty to incorporate and improve new trends and enrich the curriculum.
- **Institution's role in building community**
The institute is actively participating in different bodies constituted under the law to put an impact to improve the quality standards of education and technical requirements for the betterment of community.
- **Alumni affairs:** Outstanding achievements etc.
Alumni office has been established at the institute. The office is building its database for all alumni in the first phase. Alumni of the institute have established a Zakat Fund from which a handsome amount of scholarships is being paid to needy students. The alumni of the institute are serving the industry as well as public sector organizations in various positions. Software has been developed on the faculty of Engineering and Technology level and used for generating merit lists during admission process.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Alumni Affairs:** Outstanding Achievement etc.
Department of Electrical Engineering has started back in 2005, Around 400 students has been graduated from this department. Lot of graduates are currently working in top government, research and multinational organizations within and outside Pakistan. Moreover our graduates got admissions in world best institutes for postgraduate studies.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Alumni affairs:** Outstanding Achievement etc.
Alumni meeting are being held every year and students interact with their passed out seniors for job matters.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Department-community interaction**
Invitation to some leading scholars and journalist in the department.
- **Alumni Affairs:** Outstanding Achievements etc.
Annual congregation of Majlis-e-Fazlin. The Alumni organization of this deptt.



Faculty of Life Sciences

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

○ **Department-Community Interaction**

The Department provides the opportunity to community such as students from colleges, universities and young researchers to visit the Centre and get knowledge related to applications of Molecular Biology.

○ **Department's role in building community**

Same as above

○ **Alumni Affairs:** Outstanding Achievements etc.

List of Alumni and contact details has been prepared and available on web portal and a get together for alumni is in progress.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ **Department-community interaction**

- Dr Anjum Nasim Sabri is member, National curriculum Revision committee, in the subject of Microbiology
- Dr. Anjum Nasim Sabri reviewed PSF project proposal technical reports as expert.
- Dr. Anjum Nasim Sabri conducted Viva Voce examination and evaluated the theses of MS students of Earth and environmental sciences.
- Dr. Rida Batool conducted Viva Voce examination and evaluated the thesis of MS student of University of Health Sciences.
- Dr. Nazia Jamil Preparation of PU, Exam, subject Genetics 2010 to date.
- Dr. Zakia Latif member board of students in the subject of Microbiology, University of Central Punjab, Lahore.
- Dr. Zakia Latif evaluated the thesis of two MS students and conducted Viva Voce examination of FC College University, Lahore.
- Dr. Zakia Latif evaluated the thesis of MS student and conducted Viva Voce examination of School of Biological Sciences, University of the Punjab .
- Mr. Muhammad Zeeshan Akbar evaluated the thesis of M.Sc student and conducted Viva Voce examination of Department of Computer Science and Information Technology, Islamia University Bhawalpur.
- Dr. Yasir Rehman evaluated the thesis of and conducted Viva Voce as external examiner of MPhil students of University of Lahore.
- Dr. Samreen Riaz evaluated the thesis of and conducted Viva Voce as external examiner of BS, MS, BSC. MSC.MPhil students of Govt College University of Lahore.
- Dr. Samreen Riaz evaluated the thesis of and conducted Viva Voce as external examiner of BS, MS, BSC. MSC.MPhil students of Govt College for Women University of Lahore.



- **Conventional and Nonconventional Vegetable Farm**
Department is managing conventional and nonconventional vegetable farm that provide fresh vegetables which are offered to people on and off the university campus.
- **Floriculture Research Farm**
 - Sale of Plants at low price rate for communities as compared to the market
 - Provide plants free of charge to the Pakistan Army for Shuhada Park in Lahore cantonment Board
- **Activities for the Awareness of the Society**
Following activities has been organized by the department for the awareness of general public in the society.
 - Organized, Anticorruption Week, organized by Character Building Society of Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 5-9 December, 2016
 - Organized, one day symposium on the awareness of diabetes “The World Diabetes”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14 November, 2016
 - Organized, Two-day workshop on the awareness of diabetes “Craft of Scientific Writing: Scientific Writing and Publishing”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 6-7th December, 2016
 - Organized, 27th Annual International Conference on Family Medicine organized by Familycon in collaboration with Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 27-29 January, 2017.
 - Organized, One day seminar on World Cancer day “Polylysine modified polyethylenimine polymer can generate genetically engineered Mesenchymal stem cells for combinational suicidal gene therapy in glioblastoma”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 6th February, 2017
 - Organized, One-day workshop on “Techniques in Eukaryotic Cell Culture”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 7th February, 2017
 - Organized, Two-day agar art activity “Microbial Art Competition”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14-15th February, 2017
 - Organized, One-day workshop on “Techniques in Cancer Cell Biology”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14th February, 2017



- Organized, Two-day “Sports Gala”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 16-17th February, 2017
- Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore Hosted study trip of University of Malakand. 1st March, 2017
- Organized, One-day workshop on “Basic Statistical Analysis”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 9th February, 2017
- Organized, One-day workshop on “Hemoglobin electrophoresis” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 1st March, 2017
- Organized, One-day Ecosystem Poster competition organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore in collaboration with Punjab AIDS Control Program (PACP). 17th March, 2017
- Organized, Two-day workshop on “Phage Therapy” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 27-28th March, 2017
- Organized, One-day symposium on the awareness of HIV/AIDS organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore in collaboration with Punjab AIDS Control Program (PACP). 30th March, 2017
- Organized, One-day workshop on “**Immunofluorescent Technique**”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 29th March, 2017
- Organized, One-day painting activity on “Earth Day”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 24th April, 2017
- Organized, One-day painting activity on “World Malaria Day”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 25th April, 2017
- Organized, food week and seminar on “**Nutricia**”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 13th September, 2017
- Organized, one day symposium on “Awareness on Neurodegenerative Disorders”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 21st September, 2017
- Organized, one day seminar and activity on “Women’s Day”, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 12th May, 2017



- Organized, one day seminar on “World Deaf’s Day’, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 26th September, 2017
- **Department’s role in building community**
Formulation of Character Building Society (CBS), in the department, which organizes seminars, awareness campaign among the students about civic sense, social responsibility and community service
- **Alumni Affairs:** Outstanding Achievements etc.
Developed Alumni Association of the department, for which home page on social media (Facebook, Twitter etc) has been created, the association organize its annual meeting and alumni remain in contact with the department through social media, email etc. Registration of Alumni Association is in the plan of department.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Department-community interaction**
Department provided health and fitness related guidance to the general public.
- **Department’s role in building community**
Health & Fitness is major component to do any work perfectly. Department produced professional teachers in the field of Sports Sciences & Physical Education, Fitness trainer and professional coaches that work in different places regarding Health and fitness.
- **Student counseling and Career Guidance**
The faculty members provide proper career guidance to the students according to their skills. There is proper mechanism of counseling to the weak students.

DEPARTMENT OF ZOOLOGY

Department-community interaction

The Department of Zoology organized Honey Bee Workshop annually, people from different fields attend this training course. Especially private sector people take a lot of benefits.

INSTITUTE OF AGRICULTURAL SCIENCES

- **Department-community interaction**
 - Institute has very strong interaction with the farmers as well as agriculture community. Institute invites different agricultural resource persons for interaction with the students and for further collaboration with community.
 - Institute arranged different demonstration plots such as Kitchen gardening through which it help to interact with urban and rural communities
- **Department’s role in building community**
 - Institute organized visit to farmer communities and different departments to understand the problems and issues of the farmers and try to highlight or provide the solutions of the specific problems



- Institute arranges different events i.e. Annual function and Get together and invites all the peoples related with different communities
- **Alumni Affairs:** Outstanding Achievements etc.
 - Institute has developed very strong coordination with Punjab Agriculture extention department to promote the recent research and knowledge to the different communities.
 - Annual function was organized every year which produced excellent interaction with the societies.

INSTITUTE OF APPLIED PSYCHOLOGY

- **University-community interaction**
 - Institute of Applied Psychology inculcates in its students a sense of responsibility and sensitivity towards the current social issues and a spirit of volunteerism. The students of the Institute participate in community work both at the directives of the Institute as well as on voluntary basis. In order to ensure students' participation the Institute has added community work as a mandatory part of its curricula. This year too, community work was undertaken by students with keen interest and commitment. The students visited various public schools and gave training to the students regarding health and hygiene, morality and grooming. One of the activities held in collaboration with SCAS was putting up stalls at University girls' hostels to make them aware of psychological health, educate and sensitize them about issues related to physical and mental health, and train them manage day to day life problems. Stress management, healthy life style and eating habits were amongst the main areas covered in the community work. Students executed projects on environment protection & cleanliness, humanism, altruism and patriotism.
 - On a personal level, students are rendering voluntary services in different hospitals, emergency situations, raising awareness among masses on different issues through preparing and circulating educational pamphlets, providing support to the families of children with special conditions and diseases.
 - Our students volunteer to be part of different student committees: Cleanliness, Security, Discipline, Extracurricular activities etc. Their duty is to watch over and assist in respective responsibilities and report to the faculty member accordingly.
 - We take pride in our students' versatility, who despite attending demanding academic activities (under semester system), also extend help managing institutional extra-curricular activities.
- **University role in building community**
 - Institute's Students and faculty members are sensitized to the needs of the community and are either actively involved in projects having implications for the betterment of the community and also undertake research projects which are of direct relevance to the needs of the community.



- Student Counseling and Assessment Services, working under Institute of Applied Psychology, participated in the Invention-to-Innovation Fair organized by ORIC, University of Punjab in partnership with Government of Punjab. SCAS arranged a stall that displayed information in form of pamphlets and brochures about the services provided by our counseling center. Many participants took interest in the display and asked questions about psychological issues and the solutions to such problems
- **Alumni Affairs:** Outstanding Achievements etc.
 - Our graduates have been successfully placed in army, industry, special education schools NGOs, Research organizations and academic institutes across the country.
 - Institute has established an alumni forum .The mission of the Alumni Forum is to support and promote the interests of the Alumni through the creation of personal links, providing services to its members, maintaining connection and interaction among them.
 - The main objective of the Forum is to establish a long standing relationship between graduates and the Institute for mutual benefits.

CENTRE FOR APPLIED MOLECULAR BIOLOGY

CAMB has strong community interactions through the following:

- The Centre is providing PCR-Based diagnostic testing of Hepatitis B&C to the general public at high economical rates approximately 700 to 800 patients monthly get benefited from these services.
- CAMB is providing DNA testing services in criminal and paternity cases to the law enforcement agencies and courts.
- CAMB is providing DNA sequencing and genotyping facility to the students of various universities and R&D organizations.
- CAMB is providing the opportunity to students/ young researchers from different universities to visit the Centre and get knowledge related to applications of Molecular Biology.
- **University role in building community**
 - CAMB organized one day awareness seminar on “Drugs and Antinarcotics” in which students learnt about the adverse impacts of drugs and narcotics.
 - **Alumni Affairs:** Outstanding Achievements etc.

CAMB has passed out its first batch of 27 students of M.Phil session (2015-17). Out of these, two students got foreign Ph.D scholarship in Hong Kong.



Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- **Alumni Affairs: Outstanding Achievements etc**

16 Graduates of the Department of Kashmiryat are teaching as Assistant Professor, Lecturer in Muzaffarabad University Azad & Jammu Kashmir, Post Graduate College, Kotli, Azad Kashmir, G.C University, Faisalabad, Shah Faisal University, Saudi Arabia.

DEPARTMENT OF PERSIAN

- **Alumni Affaires: Outstanding Achievements etc**

About 12 Graduates of the Department of Persian are selected as Lecturer in difference University and Colleges on internship basis for one year.

DEPARTMENT OF URDU

- **Alumni Affaires: Outstanding Achievements etc**

35 Graduates of the Department of Urdu are selected as Lecturer in different colleges & universities through.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Department-community Integration**

- The Centre's activities mainly based on community participation, therefore, effectively interact with the community including students' parents, consultants, public and private organizations, NGOs etc.
- Efforts are made in this context through regular "Field Work" activities.
- Prime Minister's Green Pakistan Programme: Spring Tree Plantation Campaign: An event of Prime Minister's "Green Pakistan Programme" was organized on February 09, 2016 at the University of the Punjab, Lahore by the PU's Centre for Integrated Mountain Research (CIMR). This event was organized with the collaboration of Ministry of Climate Change, Punjab Forest Department, Sustainable Development Policy Institute (SDPI), Green Circle Organization (GCO), K2K Tourists Association of Pakistan and Caritas Pakistan. Prof. Dr. Zafar Mueen Nasar, Vice Chancellor, University of the Punjab Lahore, was the chief guest of this event. Dean Faculty of Sciences, Director CIMR, eminent Scientist/Experts, senior faculty members and other dignitaries of the town were also present on the occasion.



- Drone Technology for Mountain Research and Development: A technical lecture on “Drone Technology for Mountain Research and Development” was organized on November 07, 2017. Prof. Dr. Syed Jamial Hasan Kazmi, Chairman, Department of Geography, University of Karachi was the Guest Speaker.
- International Mountain Day 2017: Centre for Integrated Mountain Research (CIMR), University of the Punjab, Lahore has celebrated the “International Mountain Day 2017” on December 11, 2017. The theme of this year mountain day was “Mountains under pressure: Climate, Hunger and Migration”. Dr. Safdar Ali Shirazi, Director, CIMR, give a keynote lecture on the current mountain theme to highlight how climate, hunger and migration are affecting highlands/mountains and to ensure sustainable mountain development in the region. At the end cake cutting ceremony and awareness walk was also conducted. Director CIMR Dr. Safdar Ali Shirazi, faculty members and a large number of students participated in the event.
- **Department’s Role in Building Community**
 - The Centre arranges various types of seminars, workshops and lectures for highlighting and solving their issues of field.
- **Alumni Affairs: Outstanding Achievements etc.**
 - The Centre recently announced on Centre website to establishment of Alumni association. This effort will be beneficial to all stakeholders.

CENTER FOR UNDERGRADUATE STUDIES

- The Annual Sports of Centre for Undergraduate Studies were held in March 2017. About two hundred students took part in different games like cricket, football, badminton, table tennis, tug of war and some other indoor and outdoor games with enthusiasm and great sportsmanship. The prize distribution ceremony was held in May 2017 at the Annual Dinner Program. The sports program was a great success and was greatly appreciated by both students and teaching faculty.
- Centre for Undergraduate Studies under the vision of Vice Chancellor has been conducting tutorials in various social and recreational subjects for the past semester. The students of all disciplines are encouraged to take part in the tutorials and they are given a chance to enhance their various skills. Along with that, CUGS has been involved in conducting various lectures/seminars inviting various prominent speakers/personalities and their details are as follows:
 - Centre for Undergraduate Studies, organized the orientation session to welcome the students of first semester on October 25th, 2016. The students were being elaborated about the semester rules where the Controller of Examination Ms. Robina Begum and the coordinator Dr. Najam ul Sehar Afshan with other teachers addressed the students and guided them about various matters. The concluding remarks by Director, Centre for Undergraduate Studies, enlightened the students about their code of conduct and expectations from them.



- Centre for Undergraduate Studies celebrated the Independence Day on August 25, 2017. The Director, Centre for Undergraduate Studies addressed the audience. The singing of mili-nagmas and the dress code of green and white invigorated the spirits of the audience and rejuvenated their nationalistic spirits.
- Centre organized a Lecture on Religious Tolerance in the light of Iqbal's philosophy, given by Prof. Dr. Zahid Munir Amir on May 23, 2017. The chief guest at this event was Prof. Dr. Zaffar Mueen Nasar, Vice Chancellor University of the Punjab. Director, Centre for Undergraduate Studies Prof. Dr. Faheem Aftab, Faculty members and students were present at this occasion who were benefited by the speaker's enlightening talk.

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

- **Department-Community Interaction**
The College of Earth and Environmental Sciences is making all sorts of efforts to educate the masses on current environmental issues. On World Environment Day (June 5) awareness programs were arranged at the College.
- **Department's Role in Building Community:**
A constructive role is being played by the faculty and students of the College.
- **Alumni Affairs: Outstanding Achievements etc.**
Establishment of CEES Alumni is in Progress

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Alumni Affairs: Outstanding Achievements etc.**
Rebuild and strengthen the 'Pakistan Statistical Association' by conducting various meetings of the members from all over the Pakistan (even from abroad) and thoroughly revived the 'rules & regulation' of the association.

DEPARTMENT OF GEOGRAPHY

- **Alumni Affairs: Outstanding Achievements etc.**
Old Geography Students Association hold Annual General Body Meeting and Dinner each year from 22 March followed by one day picnic tour place of Geographical Importance.

DEPARTMENT OF PHYSICS

- **Alumni Affairs: Outstanding Achievements etc.**
Alumni Ex-Students of Physics (AESOP)

INSTITUTE OF CHEMISTRY

There is strong interaction among the faculty members. There is small meeting arranged every day at 11:00 am in the institute where all the teachers are gathered and discuss different issues. At University level, lectures and seminars are arranged on regular basis. This could also provide a platform for the faculty members of the University to do interactions with other faculty members. Different events are also arranged in which students and teachers both participate that give the opportunity to students to get interact with the teachers.



INSTITUTE OF GEOLOGY

- **University-Community Interaction**

Institute of Geology provides expertise and consultancy services in the field of Geology to the various geological organizations in their ongoing projects in the country.

- **University role in building community**

Faculty members, graduate and postgraduate students of the Institute Geology actively participate in various geological community services being organized by the geological associations like Pakistan Association of Petroleum Geologists, Punjab Geological Society etc.

- **Alumni affairs: Outstanding achievements etc.**

Constitution of Alumnae of the Institute of Geology is in progress.



Chapter

10

SPORTS

- *Inter-Departmental Sports*
- *Participation in National Championship*
- *Achievements at National Level*
- *Incentives and Honours/Awards for Sports Persons*

**CHAPTER**
10**Sports****Faculty of Economics & Management Sciences****DEPARTMENT OF ECONOMICS**

- **Inter-departmental sports**
Participation in Cricket, Hockey, Football and Tug of War games in tournament at university level.
- **Incentives and honors/ awards for sports persons**
Distribution of cash and other prizes by Prof. Qazi M. Farid Memorial Society

DEPARTMENT OF INFORMATION MANAGEMENT

Annual sports is a regular event that is usually held during the first week of March and was regularly held in the years 2016 and 2017.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

Currently, around 35 students are enrolled on Sports basis. The students of IBIT have participated actively in sports activities throughout the year including Cricket, Football, Basketball, Badminton and Squash. Sports gala has been arranged in which students participated enthusiastically. Afterwards, a price distribution ceremony was hosted where certificates and trophies were distributed among the winners.

Faculty of Engineering & Technology**INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY**

- **Interdepartmental sports**
Apart from academics, sports is a regular activity at the Institute. Every year during the spring season, sports gala is arranged by the Institute to encourage the students for their active participation in sports as well. Different sports activities like cricket matches, football, luddo, hockey, table tennis, badminton and chess are organized among students and faculty members.



Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

○ Inter-departmental sports

The students of the Centre participate in inter-departmental sports organized annually by the Sports Department, University of the Punjab, Lahore.

Faculty of Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ Inter-departmental sports

Inter-department 1st March, 2017, Chess 1st Position, Carom 1st position, and Badminton Runner.

○ Achievements at national level

- Table Tennis Competition in Karachi (Fatima Jabeen, 2nd May, 2017-8th May, 2017)
- Volley Ball Women Championship in Lahore (Fatima Jabeen 31st January, 2017)
- Competition Mountain Climbing Islamabad, (Hafiz Mehmood Mirza 13th March-16th march, 2017)
- Boxing Competition in Karachi (Atta-Ul-Rehman 21st, January, 2017 & 3rd March, 2017)
- Won Gold Medal In 2017 Wushu All Pakistan Inter-university Competition.
- Mr. Hussain Selected as “Global Young Leaders Peace Camp 2016” at Colombo, Sri Lanka.

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ Inter-Departmental Sports

As per University's Annual Sport week schedule, the Centre organizes this annual sport week in which all the students participate. The sports week followed by prize distribution to encourage the students. The students who participate in sports are given shields and certificates.

DEPARTMENT OF GEOGRAPHY

○ Inter-departmental sports

- Every year in the month of February the department organizes annual sports week in which all the student participates. The sports week followed by prize distribution to encourage the students. The students who participate in sports are given shields and certificates. During last two years this event is followed by one day picnic.



- Every year five students are admitted on sports basis who participate at national and International level being member of Punjab University team.
- Sports Gala -2016: Students (Male and Female) participated in sports gala 2016-17
- **Achievements at national level:**
Win one shield and two Trophies in Inter-Departmental Jashn-e- Baharan girls sports Gala, 2016
- **Incentives and honours/ awards for sports persons:**
A number of students who play in the University teams obtained a number of awards.

INSTITUTE OF CHEMISTRY

The students of Institute of Chemistry, University of the Punjab are very active in the inter-departmental sports and they are being provided all the facilities to participate in the departmental annual sports each year.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Inter-departmental sports**
Yes



Chapter

11

UNIVERSITY BUILDING LEADERSHIP

- *Faculty Leadership (Awards and Representation in Govt. Policy Making Committees, Memberships on various Councils etc.)*
- *Student Leadership (Co-Curricular Activities: University Dramas, Exhibitions, Expos, Competitions, Debates at National & International Levels)*



CHAPTER

11

University Building Leadership

Faculty of Arts & Humanities

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE○ **Faculty Leadership**

- Dr. Amra Raza – Member Rotary Club International
 - Member, International ASIA (TEFL) Association for English Language Teachers (2004 to date).
 - Convener, Board of Studies in English (2011 to date)
 - Editor-in-Chief Journal of Research (Humanities), Journal of English Studies, Department of English, PU, (2011 to date).
 - Member, Equivalence Committee, University of the Punjab, Lahore (2008 to date).
 - Member, Selection Committee (Extra Curricular/ English Debates) (2010 to date).
 - Member, FPSC Review Committee of syllabi for CSS English Language/ Literature (2011 to date).
 - Subject Specialist (English) Federal Public Service Commission.
 - Member of Faculty News Editorial Board (English) Punjab University.
 - Member of the Board of Faculty of Arts & Humanities (1997 to date).
 - Member of Punjab University Disciplinary Committee from 2003 to 2010.
 - Member of Selection Committee (Reserve Candidates) 2007 till 2011
 - Member Selection Committee (Extracurricular/English Debates) 2010 till present.
 - Member Book Fair Reception Committee (from 2010 to present).
 - Member of Editorial Committee for Punjab University Student Magazine “Mehwar” 2004 – 2012.
 - Member of Faculty News, Editorial Board (English).
 - Convener Board of Studies October 2011 till present.
 - Member Stage Committee Punjab University Convocation (2010 till presents).
 - Secretary Journal of Research (Humanities) Department of English, Punjab University, Lahore from 1997 to September 2011.
 - Editor in Chief, Journal of Research (Humanities), October 2011 till present.
 - Editor in Chief, Journal of English Studies, Department of English, University of the Punjab, Lahore from October 2011 till present.
 - Student Advisor, Department of English, Punjab University, Lahore from 1997 to September, 2011.



- Member International ASIA (TEFL) Association for English Language Teachers, from 2004 till present.
- Member Equivalence Committee, University of Punjab, Lahore (from 2008 till present).
- Member Overseas Scholarship Committee Punjab University (from 2005 till 2012).
- Subject Specialist (English), Federal Public Service Commission.
- Member Rotary Club International.
- Chief Patron Annual *Dream Seekers* news letter, Department of English, Punjab University.
- Article reviewer, for the Journal of South Asian Studies, jsas@escijournals.net since 2013.
- Member on the Editorial Board of NUML Journal of Critical Inquiry, Islamabad.
- Member Lahore School of Economics (LSE) Board of Studies (English) since 2015 till present.
- Member of University of the Punjab Sexual Harassment Committee, 2015 to present.
- Ms. Ayesha F. Barque - Faculty Advisor, PUMUN.
- Mr. Shahzeb Khan, Secretary, Journal of Research (Humanities) & Coordinator TedEx Punjab University.
- Mr. Khurshid Alam
 - Focal Person Security
 - B.S Coordinator
 - Student Advisor B.S Programme
 - Focal person Affiliated Colleges Examinations
- Mr. Hussain Azam Butt
 - Focal Person Laptops
 - Patron Character Building Society
- Ms. Mamoona Batool:
 - Coordinator Evening Programmes
 - Incharge Examinations
- Samira Mumtaz:
 - Incharge Student Curricular Excursions.
- Ms. Rubab Atif Syed:
 - Incharge Dramatic Performances
- Sumera Saleem: Research Scholar

DEPARTMENT OF LITERARY HISTORY

○ Faculty Leadership

Prof. Dr. Kh. Muhammad Zakariya was appointed as director of the department and was assigned the job to revise and modify the multi volume History of the Muslims of the Indo-Pakistan sub-Continent. Since 2008 upto the year under review six volumes and abridged version in one volume have been revised, rewritten and printed.



Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Faculty Leadership**
 - Member Provincial Task Force on Women Empowerment and Provincial CEDAW Committee

DEPARTMENT OF SOCIAL WORK

- **Faculty Leadership**
 - Dr. Zahid Javed, Chairman / Associate Professor
 - Looking after administrative affairs of the Department
 - Member Board of Studies in Social Work, University of the Punjab, Lahore
 - Member Board Faculty of Behavioral and Social Sciences, University of the Punjab, Lahore
 - Social Work Expert in Punjab Public Service Commission
 - Convener Department Disciplinary Committee
 - Convener Department Admission Committee
 - Monitoring and Guiding Social Work Practicum of different groups.
 - Dr. Tahira Jabeen / Assistant Processor
 - Publications
 - Published (National journal/s)
 - Jabeen, Tahira & Akhundzada, Zia, 2017 'An Assessment of the Staff's Capacity to Implement the Khyber Pakhtunkhwa Child Protection & Welfare Act 2010', *Pakistan Journal of Criminology*, 9(1).
 - **Membership & representation at various councils and bodies**
 - Examiner PMS (paper Social Work) 2016-17
 - Panelist PPSC (selection of SWOs) Dec 2016
 - Member Global Social Service Workforce Alliance, since 2016.
 - Member Board of Studies, Institute of Social Sciences, Bahaudin Zakria University, Multan 2014-2017
 - Member National Curriculum Review Committee for Social Work, Higher Education Commission of Pakistan 2014-2017
 - Member Board Faculty of Social and Behavioural Sciences, University of the Punjab 2013-16
 - Member department doctoral committee
- Dr. Raazia Hassan Naqvi, Lecturer
 - Completed Studies
 - PhD in Social Work (2010-11), University of Peshawar, Khyber Pakhtunkhwa, Pakistan.
 - 3.8 CGPA
 - Degree Awarded in June 2017.



- Visiting PhD Research Student, Faculty of Social Work, University of Calgary Canada. September 2015 to November 2016.
 - Qualitative Research Methods (4.0 CGPA).
 - Family Violence (4.0 CGPA).
- Research Publications
 - Muhammad Ibrar, Raazia Hassan Naqvi, Dr. Sarah Safdar. (2017). Views and Opinion of People of Mardan District, Khyber Paktunkhwa Pakistan about their experiences with Basic Health Units (BHUs) of respective areas. *Pakistan Annual Research Journal*, Pakistan Study Centre. (Accepted).
 - Raazia Hassan Naqvi, Muhammad Ibrar, Christine A. Walsh, and Ali Imran. (2017). History of Women's Rights Movement and Pro-Women Legislation in Different Ruling Regimes of Pakistan. *Pakistan Journal of Criminology*, Volume 09, No. 02, p. 46-59.
 - Muhammad Ibrar and Raazia Hassan Naqvi. (2017). Women Seeking Divorce due to Marital Violence: A Case Study of Malakand District, Khyber Pakhtunkhwa (KP) Province, Pakistan. *Journal of Law and Society*, Volume XLVIII, No. 70, p. 123-128.
- **Grants/Awards and Memberships**
 - Research Project Grant from University of the Punjab for the Year 2017, the amount of grant was Rs. 1,25,000/.
 - Member Board of Studies of Department of Social Work from 2015-17.
 - Member Human Rights Commission of Pakistan (HRCP), Lahore.
 - Member Human Resource Development Network (HRDN), Islamabad.
 - Member PakNGOs an online resource of NGOs in Pakistan.
 - Member of the *Everywoman Everywhere Coalition* which is a global group of more than 1300 organizations, women's rights activists, scholars, and concerned citizens, from more than 140 countries. It rallied around a singular belief in the right to a life free from all forms of violence for every woman, everywhere.
- **Student Leadership**

Students of the Department visited Murree 14-18 March, 2017 for Strengthening Democracy Through Youth Leadership Program.

Faculty of Commerce

HAILEY COLLEGE BANKING & FINANCE

- **Student Leadership** (Co-curricular Activities: University Dramas, Exhibitions, Expos, Competitions, Debates at National and International Levels:

Several societies exist in our College and throughout the year Exhibitions, Competitions, and Debates were arranged by them to actively involve the students and to help develop leadership in them. This institutionalized effort has been very helpful.



Faculty of Economics & Management Sciences

○ Faculty Leadership

Prof. Dr. Kanwal Ameen is a member of National Testing Service and HEC Curriculum Committee on LIS.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ Student Leadership

- Centre for Clinical Psychology (CCP), University of the Punjab organized its annual sports day on Wednesday 1st March, 2017.
- Centre for Clinical Psychology (CCP) in collaboration with Living Institute for Slow Learners organized annual sports day of LISL at its premises.
- A one day recreational trip to Khewra mines and a three days stay trip to Muree and Islamabad was arranged for the students of CCP to lighten up their moods and refresh their minds.
- Center for Clinical Psychology (CCP), University of the Punjab celebrated Iqbal Day on 9th November 2016.
- Center for Clinical Psychology (CCP), University of the Punjab organized a program on the eve of 6th, September Defense Day.
- Center for Clinical Psychology arranged Milad on the eve of 12 Rabi-ul-Awal.
- Center for Clinical Psychology, University of the Punjab arranged an awareness campaign on Wednesday, 15th March, 2017.
- Centre for clinical psychology, Punjab University organized its first alumni dinner in which alumni, faculty, staff and students participated with full zest and enthusiasm.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ Faculty Leadership

- Dr. Safdar Ali Shirazi
 - Looking after administrative affairs of the Centre as a Director.
 - Convener Board of studies Centre for Mountain Conservation and Watershed management- Integrated Mountain Research (CIMR)
 - Convener, Advisory Committee, Centre for Integrated Mountain Research, P.U.,
 - Supervising the M.Sc., M.Phil. and Ph.D. research thesis



- **Engr. Dr. Muhammad Yaseen**
 - Curriculum design and revision coordination committee, PU-in Charge of Quality Enhancement cell, CIMR, University of the Punjab.
 - Incharge Student Affairs, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Examination Coordinator, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Coordinator Departmental MSc, MPhil and PhD Programs, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Incharge Student Affairs, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Examination Coordinator, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Focal Person, Office of Research Innovation and Commercialization (ORIC), University of the Punjab, Lahore-Pakistan.
 - Focal Person, PM HEC Laptop Scheme, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Focal Person, Hostel Affairs, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Assistant Superintendent, Boys Hostel No. 08, University of the Punjab, Lahore, Pakistan.
 - Involve in teaching, research and assist to HoD of the CIMR.
- **Students Leadership**
 - Students are encouraged to join various community and social organization for developing leadership qualities.
 - Annually, programs been organized on the occasions of 12th Rabiul Awal, 14th August, Iqbal & Quid's day and International Mountain Day.

DEPARTMENT OF GEOGRAPHY

- **Faculty Leadership**
 - The faculty members of this department are members Board of Studies of varies geography department of Pakistan. The faculty is also involved with HEC in preparing Curriculum of Geography.

INSTITUTE OF CHEMISTRY

There are different events are arranged at Institute level at different religious and national days.

SCHOOL OF PHYSICAL SCIENCES

- **Faculty Leadership**
 - Dr. Fawzia Tabassum, Assistant Professor, School of Physical Sciences is Life Member of Pakistan Society of Biochemistry and Molecular Biology, University of the Punjab and Member of Pakistan Chemical Society.



Directorate of Students Affairs

Achievements of Punjab University Students in Different Intervarsity Co-Curricular Competitions 2017

Nos. of positions 2017

Individual Prizes			Team Trophies	Total
1 st Prizes	2 nd Prizes	3 rd Prizes		
144	88	69	43	344

Achievements

1. Drama fest competition at fast national university, lahore. From 03-01-2017 to 05-01-2017.

Competition	Participants	Position
Drama	Dramatic PU Team	1 st Best Climax

2. 2nd All Pakistan Naat & Calligraphy Competitions At University Of Gujrat, Gujrat On 05-01-2017.

Competition	Names of Team Members	Institutions	Position
Naat (Female)	Ms. Sadia Ashraf	Department of Zoology	1 st
Naat (Male)	Muhammad Usman Munir	Institute of Business & Information Technology	3 rd
Calligraphy	Noman	College of Arts & Design	3 rd

3. 17 All Pakistan Bilingual Declamation Contest Held at Mirpur University of Sciences & Technology (Must) From 07-01-2017 To 08-01-2017.

Competition	Participants	Institution	Position
Humorous Speech	Hammas Ch	ICS	2 nd
Serious Speech	Joahn Hassan Zadi	Institute of Business Administration	3 rd

4. Punjab Chief Minister Debate, Essay Writing And Speech (English & Urdu) Competitions 2016-17

Lahore District Round

Urdu Debate Competition on 09-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Qistas Ismail	Department of Political Science	1 st
	Naima Ali	Institute of Biochemistry & Biotechnology	3 rd
Post Graduate	Sohail Ahmad	University Law College	2 nd
	Fahad Shahbaz	Institute of Communication Studies	3 rd



English Debate Competition On 10-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Shehan Zafar	Punjab University College of Information Technology	1 st
	Salar Ehsan	Institute of Business Administration	2 nd
	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	1 st
Post Graduate	Abu Bakar	University Law College	1 st

Urdu Essay Writing Competition On 11-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Saqib Rasheed	Institute of Agricultural Sciences	1 st
Post Graduate	Asma Khalil	Department of Urdu	1 st
	Mian Faizan Amjad	University Law College	3 rd

English Essay Writing Competition On 12-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Mehroosa Bari	Institute of Business & Information Technology	2 nd
Post Graduate	Muhammad Zakria Khan	Institute of Chemical Engineering & Technology	3 rd

Urdu Speech Competition On 13-01-2017

Level of Competition	Names of Students	Department	Position
Degree	S. Muntaha Fatima	Centre for Clinical Psychology	3 rd
Post Graduate	Shabahaat Qamar	College of Pharmacy	1 st
	Ehtisham Javed	Institute of Chemical Engineering & Technology	2 nd

English Speech Competition On 14-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Muhammad Zohaib Nasir	College of Earth & Environmental Sciences	2 nd
	Aaliza Imran	Institute of Biochemistry & Biotechnology	3 rd
Post Graduate	Rameesha Khan	College of Pharmacy	1 st
	Ismail Sherwani	Punjab University College of Information Technology	3 rd

Punjab Cm Qiraat & Naat Competition On 14-01-2017

Competition	Names of Students	Department	Position
Naat	Shahid Fida	Institute of Communication Studies	2 nd
Qiraat	Hafiz Asad Sharif	Hailey College of Commerce	3 rd



Lahore Division Round

Urdu Debate Competition On 17-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Qistas Ismail	Department of Political Science	1 st
	Naima Ali	Institute of Biochemistry & Biotechnology	3 rd
Post Graduate	Fahad Shahbaz	Institute of Communication Studies	3 rd

English Debate Competition On 18-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Shehan Zafar	Punjab University College of Information Technology	2 nd
	Salar Ehsan	Institute of Business Administration	3 rd
	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	1 st
Post Graduate	Abu Bakar	University Law College	1 st

Urdu Essay Writing Competition On 19-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Saqib Rasheed	Institute of Agricultural Sciences	2 nd
Post Graduate	Asma Khalil	Department of Urdu	3 rd
	Mian Faizan Amjad	University Law College	3 rd

English Essay Writing Competition On 20-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Mehroosa Bari	Institute of Business & Information Technology	1 st
Post Graduate	Muhammad Zakria Khan	Institute of Chemical Engineering & Technology	2 nd

Urdu Speech Competition On 21-01-2017

Level of Competition	Names of Students	Department	Position
Post Graduate	Shabhat Qamar	College of Pharmacy	2 nd
	Ehtisham Javed	Institute of Chemical Engineering & Technology	3 rd

English Speech Competition On 23-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Muhammad Zohaib Nasir	College of Earth & Environmental Sciences	1 st
	Aaliza Imran	Institute of Biochemistry &	2 nd



		Biotechnology	
Post Graduate	Rameesha Khan	College of Pharmacy	2 nd
	Ismail Sherwani	Punjab University College of Information Technology	3 rd

Provincial Round

English Debate Competition On 26-01-2017

Level of Competition	Names of Students	Department	Position
Degree	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	2 nd
Post Graduate	Abu Bakar	University Law College	3 rd

English Speech Competition On 23-01-2017

Level of Competition	Name of Student	Department	Position
Degree	Muhammad Zohaib Nasir	College of Earth & Environmental Sciences	1 st

1. All Pakistan Intervarsity Competitions Organized by Lahore School of Economics, Lahore from 22-01-2017 to 24-01-2017.

Competition	Names of Team Members	Institutions	Position
Urdu Parliamentary Debate	Rashid Tashfeen	University Law College	Runner Up Troph
	Ms. Naima Ali	Institute of Biochemistry & Biotechnology	
	Ghulam Mohoyu Din	University Law College	

Best Speaker Award:

Name of participant	Institution	Position
Ms. Naima Ali	Institute of Biochemistry & Biotechnology	Best Urdu Speaker Award

2. All Pakistan Drama Fest Competition Organized By Fast National University of Computer & Sciences, Lahore From 03-02-2017 To 05-02-2017

Competition	Members of Drama Team	Institutions	Position
Theater	Ms. Subaina Javed	Institute of Business Administration	Best Climax Award
	Shahzeb Ahmad	Institute of Communication Studies	
	Ms. Sara Tariq	Institute of Administrative Sciences	
	Ms. Zarbaha Khan	Institute of Communication Studies	
	Wajahat Aurangzeb	Institute of Business Administration	
	Ms. Sumbal Zafar	Department of Gender Studies	
	Muhammad Arsalan	Centre for High Energy Physics	
	Zain Ul Abdin	Institute of Social & Cultural Studies	



	Ms. Khula Bint-e-Jamal	College of Art & Design	
	Ms. Zainab Kiyani	Institute of Chemical Engineering & Technology	
	Ms. Komal Idrees	Institute of Social & Cultural Studies	
	Hashim Umer	Institute of Communication Studies	
	Ms. Marukh Agha	Department of Space Science	
	Sibte Hassan	Institute of Social & Cultural Studies	
	Azmat Majeed	Institute of Social & Cultural Studies	
	Ms. Anam Naseer	Centre for High Energy Physics	

3. 1st Performing Arts Festival 2017 organized by University College Lahore, Lahore from 10-02-2017 to 12-02-2017.

Competition	Names of Team Members	Institutions	Position
Battle of Band	Muslim Shagan	Institute of Communication Studies	1 st
	Muhammad	Institute of Administrative Sciences	
	Zaroon	Institute of Biochemistry & Biotechnology	
	Mohsin Tariq	Department of Mathematics	
Eastern Singing	Ali Jan	Institute of Communication Studies	2 nd
Western Singing	Ms. Sumbal Hafeez	Institute of Communication Studies	2 nd

4. Theatro 17' (Drama, Dance, Music) Competitions organized by Forman Christian College, Lahore from 09-02-2017 to 11-02-2017

Competition	Names of participants	Institutions	Position
Solo Singing	Ghufran Chishti	College of Art & Design	1 st
Dance	Ata Subhani	Institute of Social & Cultural Studies	1 st
Drama	Sara Tariq	Institute of Administrative Sciences	Best Actress Award
	Asim Ch.	Institute of Communication Studies	Comic Actor Award
	Zain ul Abdin	Institute of Social & Cultural Studies	Supporting Actor Award

5. Annual Debating Championship organized by FAST National University of Computer & Sciences, Lahore from 10-02-2017 to 12-02-2017.

Competition	Names of Team Members	Institutions	Position
Urdu Parliamentary Debate	Sami Ullah	Punjab University College of Information Technology	1 st Runner Up



	Ms. Naima Ali	Institute of Biochemistry & Biotechnology	Trophy
English Parliamentary Debate	Muhammad Abu Bakar	University Law College	2 nd Runner Up Trophy
	Shehroz Ayub	Punjab University College of Information Technology	

Best Speaker Awards:

Names of participants	Institutions	Position
Ms. Naima Ali	Institute of Biochemistry & Biotechnology	Best Urdu Speaker Award
Shehroz Ayub	Punjab University College of Information Technology	3 rd Best Speaker Award
Muhammad Abu Bakar	University Law College	4 th Best Speaker Award

6. Quiz Competition regarding CA Pakistan Olympiad 2017 organized by The Institute of Chartered Accountants of Pakistan, Lahore on 14-02-2017.

Names of Participants	Institution	Position	Cash Prize in PAK (Rs.)
Muhammad Atif Shafique Muhammad Gulfam Asad Raza Mohal	University Law College	1 st	25000/-

7. All Pakistan Debating Championship “WAR OF WORDS IV” organized by University of Lahore, Lahore from 17-02-2017 to 20-02-2017.

Competition	Names of Team Members	Institutions	Position
English Parliamentary Debate (Team A)	Muhammad Abubakar	University Law College	Won Team Trophy
	Sameen Fawad Khan	Institute of Biochemistry & Biotechnology	
	Shehroz Ayub	Punjab University College of Information Technology	
English Parliamentary Debate (Team B)	Salman Furrukh	University Law College	Qualified for Semi Final
	Shehan Zafar	Punjab University College of Information Technology	
	Ms. Amnah Sameen Khan	Institute of Biochemistry & Biotechnology	

Best Speaker Award:

Name of participant	Institution	Position
Muhammad Abubakar	University Law College	Best English Speaker Award



8. All Pakistan Bilingual Declamation Championship organized by Forman Christian College, Lahore from 22-02-2017 to 23-02-2017.

Competition	Participants	Institutions	Position
English (H)	Sibtain Raza	University Law College	2 nd
Urdu (S)	Ahmad Gulzar	Institute of Business Administration	2 nd

Punjab University Team Won Team Trophy

9. 12th All Pakistan Declamation Contest 2017 at NFC Institute of Engineering & Fertilizer Research, Faisalabad from 22-02-2017 to 23-02-2017.

Competition	Names	Institutions	Position
Urdu Debate	Ehtisham Javed	Institute of Chemical Engineering & Technology	2 nd

10. All Pakistan Debate Competition organized by Shiblee College of Commerce, Faisalabad on 25-02-2017.

Competition	Names of Team Members	Institutions	Position	Position
Urdu Debate Competition	Abdul Haseeb	College of Engineering & Emerging Technology	1 st	Team Trophy
	Ms. Qistas Ismail	Department of Political Science	Consolation	
Punjabi Debate Competition	Hamza Mustafa	University Law College	2 nd	Team Trophy
	M. Saeed Javed	College of Pharmacy	1 st	

11. 24th All Pakistan Declamation Championship at University of Engineering & Technology, Lahore from 11-03-2017 to 13-03-2017.

Competition	Names of Team Members	Institutions	Position	Position
English Debate Competition	Rameesha Khan	College of Pharmacy	1 st	Team Trophy
Urdu Humor Competition	Hamza Mustafa	University Law College	1 st	
Parliamentary British Style Debate	Sohail Ahmad	University Law College	1 st	Team Trophy
	Sami Ullah	Punjab University College of Information Technology	1 st	

12. Bestival 2017 organized Beacon House National University, Lahore from 16-03-2017 to 20-03-2017

Competition	Participants Name	Institute	Position
Stand-up Comedy	Asim Bilal Ahmad	Institute of communication Studies	1 st
Poetry and Prose	Muhammad Raza	Hailey College of Banking & Finance	2 nd



13. Dunya News Speech Competition organized by Dunya News, Lahore on 23rd march 2017.

Competition	Participants Name	Institute	Position
Urdu Speech Competition	Shaista Fajr	Department of Botany	Consolation Prize (Cash Prize Rs.10000/-)

14. 2nd Faiz Ahmad Faiz Poetry Competition 2017 at Govt. College University, Lahore on 21-03-2017.

Competition	Participants Name	Institute	Position
Bait Bazi	Sohaib Mugheera	Institute of Communication Studies	Runner up Trophy
	Mustafa Mehndi	Department of Urdu	
Nazam	Sohaib	Institute of Communication Studies	3 rd
Ghazal	Ruqayyah	Institute of Social & Cultural Studies	3 rd

The Punjab University students claimed Team Trophy in Faiz Ahmad Faiz Poetry Competition.

15. Speech Competition on the occasion of Pakistan Day and Women's Day organized by Institute of Administrative Sciences, University of the Punjab with the collaboration Stylo Private Limited on 15-03-2017 at Al-Raazi Hall, Centre for Undergraduate Studies

Competition	Participants Name	Institute	Position
English Speech	Fizza Akhtar	Institute of Biochemistry & Biotechnology	1 st
	Shehan Zafar	PUCIT	2 nd
Urdu Speech	Ehtisham Javed	Institute of Chemical Engineering and Technology	1 st
	Shaista Fajr	Department of Botany	2 nd

16. Trilingual Declamation Competition organized by DGPR, Govt. of Punjab, Lahore on 20-03-2017.

Competition	Participants Name	Institute	Position
English Speech	Shehan Zafar	PUCIT	1 st
Urdu Speech	Shabahat Qamar	College of Pharmacy	1 st
	Mubashar Saeed	College of Pharmacy	1 st

17. All Pakistan Bilingual Declamation Competition at Shalimar Medical College Lahore on 15-03-2017.

Competition	Participants Name	Institute	Position
Urdu Speech	Shabahat Qamar	College of Pharmacy	2 nd

18. All Pakistan Bilingual Declamation Competition organized by University of Engineering & Technology, Kala Shah Kaku Campus on 09-03-2017.

Competition	Participants Name	Institute	Position
Urdu Debate (Serious)	Ahmad Gulzar	Institute of Business Administration	2 nd
English Debate (Humorous)	Hammas Hameed	Institute of Communication Studies	2 nd



Punjab University Won Team Trophy

19. 24th All Pakistan Declamation Championship 2017 organized by University of Engineering & Technology, Lahore from 13-03-2017 to 13-03-2017.

Competition	Participants Name	Institute	Position
Urdu Debate (Humorous)	Hamza Mustaf	University Law College	1 st
English Debate (Serious)	Rameesha Khan	College of Pharmacy	1 st

Punjab University Won Team Trophy

20. 5th Lyallpure Arts & Literature Festival 2017 organized by University of Agriculture, Faisalabad from 26-03-2017 to 31-03-2017.

Competition	Students Name	Department	Position
Qiraat	Hafiz Asad Sharif	Hailey College of Commerce	1 st
Punjabi Takra	Mubashir Saeed Saeed Javed	College of Pharmacy	Team Trophy
Urdu Nazm	Sohaib Mugeera	Institute of Communication Studies	1 st
Urdu Ghazal	Musa Kazim	Institute of Applied Psychology	2 nd
Punjabi Ghazal	Mubashir Saeed	College of Pharmacy	1 st
English Poem	Ayesha Yasin	Department of English	3 rd
Bait Bazi	Sohaib Mugeera Maisan	Institute of Communication Studies	1 st
Stand up Comedy	Asim Ch.	Institute of Communication Studies	1 st
	Malik Ahsan	Institute of Communication Studies	2 nd
Sufi Singing	Ghufran Chisti	College of Art & Design	3 rd
Calligraphy	Noman	College of Art & Design	1 st
Painting	Haider	College of Art & Design	1 st
Photography	Fatima tur Zahra	College of Art & Design	1 st (Best Short)
Thematic Photography	Fatima tur Zahra	College of Art & Design	1 st
Street Art	Ms. Semab Ms. Hira Ata Subhani	College of Art & Design College of Art & Design Instt. Of Social & Cultural Studies	2 nd
Urdu Debater	Ahmad Gulzar	Institute of Business Administration	3 rd
English Debate	Hamas Ch.	Institute of Communication Studies	Consolation Prize
Theater	Subaina Javed Sibtain Raza Arsalan Akram	Institute of Business Administration University Law College Centre for High Energy Physics	Best Technical Award



Theater	Wajahat Aurangzeb Mohsin Baig Anam Naseer Komal Adrees Khula Jamal Sumbal Zafar Muhammad Taufeeq	Institute of Business Administration Department of Gender Studies Centre for High Energy Physics Instt. Of Social & Cultural Studies College of Art & Design Department of Gender Studies Instt. of Social & Cultural Studies	Best Production Award
Theater	Zain ul Abdin	Instt. Of Social & Cultural Studies	Best Actor
Theater	Ms. Sara Tariq	Institute of Administrative Sciences	Best Supporting Actress
Theater	Sibte Hassan	Instt. Of Social & Cultural Studies	Best Supporting Actor
Theater	Sibte Hassan Subaina Javed Sara Tariq Zain ul Abdin Wajahat Aurangzeb Roshaney Saeed Arsalan Akram Zakriya Hashmi Sumbal Zafar Anum Naseer Komal Adrees Khula Jamal Muhammad Taufeeq Salman Haider Ms. Zarbaha Khan Azmat Majeed	Instt. Of Social & Cultural Studies Institute of Business Administration Institute of Administrative Sciences Instt. Of Social & Cultural Studies Institute of Business Administration Instt. Of Social & Cultural Studies Centre for High Energy Physics Institute of Applied Psychology Department of Gender Studies Centre for High Energy Physics Instt. Of Social & Cultural Studies College of Art & Design Instt. Of Social & Cultural Studies Institute of Business Administration Institute of Communication Studies Instt. of Social & Cultural Studies	Team Trophy (Best Play)

21. All Punjab Singing Competition organized by Masud Khaddarposh Trust, Lahore at Punjabi Cultural Complex, Lahore

Competition	Participants	Department	Position
Singing	Muhammad Awais	Department of English	1 st
	Muhammad Haroon	Punjab University College of Information Technology	3 rd

22. "LAFZ 17" 5th All Pakistan Trilingual Declamation Contest, 2nd Bilingual Parliamentary Debating Championship organized by University of Gujrat, Gujrat from 07-04-2017 to 10-04-2017.

Competition	Names of Team Members	Institutions	Position
Bilingual Declamation	Ms. Rameesha Khan	College of Pharmacy	Team Trophy
	Hamza Mustafa	University Law College	
English Parliamentary Debate	Muhammad Abu Bakar	University Law College	Team Trophy
	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	

**Best Speaker Awards:**

Names of participants	Institutions	Position
Ms. Naima Ali	Institute of Biochemistry & Biotechnology	Best Urdu Parliamentary Speaker Award
Muhammad Abu Bakar	University Law College	Best English Parliamentary Speaker Award
Ms. Rameesha Khan	College of Pharmacy	Best English Declamation Speaker Award
Hamza Mustafa	University Law College	2 nd Best Urdu Declamation Speaker Award
Hamza Mustafa	University Law College	2 nd Best Punjabi Speaker Award

23. Bol' 17 – 2nd Inter-University Literary Competitions organized by University of Engineering & Technology, Faisalabad on 11-04-2017.

Competition	Names of Team Members	Institutions	Position
Urdu Speech (Serious)	Ahmad Gulzar	Institute of Business Administration	3 rd
English Speech (Humorous)	Ammaz Shabbir	Punjab University College of Information Technology	2 nd
English Short Story	Ms. Ayesha Yaseen	Department of English	2 nd
Urdu Ghazal	Maisam	Institute of Communication Studies	3 rd
Urdu Nazm	Musa Kazim	Institute of Applied Psychology	3 rd

Punjab University Won Over All Trophy Bol 2017

24. Kalam Iqbal Singing Competition organized by Nazaria-i-Pakistan Trust, Lahore on 11-04-2017

Names of Team Members	Institutions	Position
Tahir Javed	Institute of Business Administration	2 nd
Muhammad Usman Munir	Institute of Business & Information Technology	3 rd

25. CIIT All Pakistan Intervarsity Naat Competition 2017 at COMSATS Institute of Information Technology, Lahore on 12-04-2017.

Names of participants	Institutions	Position	Cash Prize
Usman Munir	Institute of Business & Information Technology	1 st	10,000/-
Tahir Javed	Institute of Business Administration	2 nd	7000/-
Salman Amjad	Electrical Engineering	3 rd	5000/-
Ms. Sadia Ashraf	Department of Zoology	2 nd	7000/-
Ms. Hijab-e-Zahra	Department of Political Science	3 rd	5000/-



26. "VOICE- 2nd Ali Hajvery All Lahore Bilingual Declamation Championship 2017 at FAST National University of Computer & Sciences, Lahore on 14-04-2017

Competition	Participant	Institutions	Position
Bilingual	Hamas Hameed Ch. (English H)	Institute of Communication Studies	2 nd
Declamation	Ahmad Gulzar (Urdu S)	Institute of Business Administration	2 nd

Punjab University Won Team Trophy

27. IST Youth Carnival – 2017 organized by Institute of Space Technology, Islamabad from 12-04-2017 to 15-04-2017.

Competition	Students Name	Department	Positions
Qiraat	Hafiz Asad Sharief	Hailey College of Commerce	1 st
Naat	Ghufran Chisht	College of Art & Design	2 nd
Poetry (Urdu Ghazal)	Musa Kazim	Institute of Applied Psychology	1 st
Bait Bazi	Musa Kazim	Institute of Applied Psychology	1 st
	Maisom Abbas	Institute of Communication Studies	
Dumb Chards	Sabtain Raza	University Law College	2 nd
	Umar Dastgir	College of Art & Design	
Extempore Speech Urdu	Hamza Mustfa	University Law College	1 st
Extempore Speech English	Rameesha Khan	College of Pharmacy	1 st
Presidential Debate	Muhammad Abu Bakar	University Law College	1 st
Crime Scene Story	Maisam Abbas	Institute of Communication Studies	1 st
	Kanwal	Department of Political Science	
	Musa Kazim	Institute of Applied Psychology	
Comics	Awais	College of Arts & Design	1 st
Painting	Haider	College of Arts & Design	2 nd
Calligraphy	Nouman	College of Arts & Design	1 st
Sketching	Awais	College of Arts & Design	1 st
Visage Canvas	Awais	College of Arts & Design	1 st
	Haider		
	Nouman		
Wall Graffiti	Haider	College of Arts & Design	2 nd
	Nouman		
Solo Dance	Atta Subhani,	Institute of Social & Cultural Studies	1 st
Group Dance	Atta Subhani	Institute of Social & Cultural Studies	2 nd
	Muhammad Arsalan	Centre for High Energy Physics	
	Umar Dastgir	College of Arts & Design	



Fashion Walk	Atta Subhani	Institute of Social & Cultural Studies	3 rd
	Muhammad Arsalan	Centre for High Energy Physics	
	Umar Dastgir	College of Arts & Design	
	Awais	College of Arts & Design	
	Haider	College of Arts & Design	
	Nouman	College of Arts & Design	
	Bilal Ahmad	Institute of Communication Studies	
	Maisam Abbas	Institute of Applied Psychology	
	Musa Kazmi	Institute of Business Administration	
	Ahmad Gulzar	University Law College	
	Sabtain Raza	Institute of Social & Cultural Studies	
	Zain ul Abdeen	Institute of Social & Cultural Studies	
Singing Duet	Ghufran Chishti	College of Arts & Design	1 st
	Zainab Ur Rehman	Institute of Education & Research	
Mime	Sara Tariq	Institute of Administrative Sciences	1 st
	Wajahat Aurangzaib	Institute of Business Administration	
	Mohsin Baig	Department of Gender Studies	
	Hamza	College of Arts & Design	
	Muhammad Arsalan	Centre for High Energy Physics	
	Zain ul Abdeen	Institute of Social & Cultural Studies	
	Azmat Majeed	Institute of Social & Cultural Studies	
Flash Back Film	Hamza	College of Arts & Design	1 st
Story Writing English	Ayesha Yaseen	Department of English Language & Literature	2 nd
Parliamentary Debates Urdu	Rashid Tashfeen (Best Speaker)	University Law College	2 nd
	Naima Ali	Institute of Biochemistry & Biotechnology	
	Fizzah Akhtar	Institute of Biochemistry & Biotechnology	
	Sara Tariq	Institute of Administrative Sciences	
	Wajahat Aurangzaib	Institute of Business Administration	
	Mohsin Baig	Department of Gender Studies	
	Roshan e Saeed	Institute of Social & Cultural Studies	



Drama	Zarbha Khan	Institute of Communication Studies	2 nd
	Arslan Akram	Centre for High Energy Physics	
	Zain ul Abdeen	Institute of Social & Cultural Studies	
	Zikria Hashmi	Institute of Applied Psychology	
	Salman Haider	Institute of Business Administration	
	Azmat Majeed	Institute of Social & Cultural Studies	
English Debate	Sibtain Raza	Law College	2 nd
Urdu Debate	Ahmad Gulzar	IBA	2 nd
English Essay Writing	Fatima hasnain	Deptt. Of English	2 nd
Script Writing English	Ayesha Yaseen	Deptt. of English	2 nd
Community Services	Sibtian Raza	Law College	2 nd
	Rameesha khan	College of Pharmacy	

28. 18th All Pakistan Declamation Competition organized by King Edward Medical University, Lahore. from 17-04-2017 to 18-04-2017

Competition	Participant	Institutions	Position
Bilingual Declamation	Hamas Hameed Ch. (English Humorous)	Institute of Communication Studies	TEAM TROPHY
	Syed Usman Aqeel (Urdu Serious)	Institute of Communication Studies	

Speaker Award:

Names of participants	Institutions	Position
Syed Usman Aqeel (Urdu Serious)	Institute of Communication Studies	2 nd Best Urdu Speaker

29. All Punjab Dramatics Competition organized by Department of Information & Culture, Govt. of the Punjab from 19-04-2017 to 20-04-2017.

Competition	Students Name	Department	Positions
Drama	Sara Tariq	Institute of Administrative Sciences	Best Production Award
	Wajahat Aurangzaib	Institute of Business Administration	
	Komal Idrees	Institute of Social & Cultural Studies	
Drama	Asim Ch.	Institute of Communication Studies	Best Comic Award
Mime	Sara Tariq	Institute of Administrative Sciences	2 nd
	Wajahat Aurangzaib	Institute of Business Administration	
	Salman Haider	Institute of Business Administration	
	Hamza Ishaq	College of Arts & Design	
	Arsalan Akram	Centre for High Energy Physics	
	Azmat Majeed	Institute of Social & Cultural Studies	
	Khula Jamal	College of Art & Design	
	Zain ul Abdeen	Institute of Social & Cultural Studies	
	Zarbha Khan	Institute of Communication Studies	



	Komal Idrees	Institute of Social & Cultural Studies	
	Roshan e Saeed	Institute of Social & Cultural Studies	
	Muazza Tariq	College of Art & Design	

30. 1st English Parliamentary Debates Competition 2017 (British Style) at Sacred Heart Convent School, Lahore from 21-04-2017 to 24-04-2017

Competition	Names of Team Members	Institutions	Position
English Parliamentary Debate	Sameen Fawad Khan	Institute of Biochemistry & Biotechnology	Team Trophy
	Amnah Sameen Khan	Institute of Biochemistry & Biotechnology	

31. Beaconhouse School Poetry Competition 2017 at Beaconhouse School, Lahore on 11-04-2017.

Competition	Names	Institutions	Position
Urdu Nazm	Usman Yaseen	Punjab University College of Information Technology	2 nd

32. Punjab Chief Minister Qiraat & Naat Competitions 2017 (Male Category), Provincial Round organized by Higher Education Department, Punjab at Govt. College University, Lahore on 25-04-201

Names of participants	Institutions	Category	Position	Cash Prize
Muhammad Usman Munir	Institute of Business & Information Technology	Naat	1 st	100,000/-
Hafiz Asad Shahrif	Haiely College of Commerce	Qiraat	2 nd	75,000/-

33. Punjab Chief Minister Qiraat & Naat Competitions 2017 (Female Category), Provincial Round organized by Higher Education Department, Punjab at Govt. College University, Lahore on 26-04-2017

Names of participants	Institutions	Category	Position	Cash Prize
Sadia Ashraf	Department of Zoology	Naat	1 st	100,000/-
Samman Ali	Sheikh Zayed Islamic Centre	Qiraat	3 rd	50,000/-

34. All Pakistan Co-Curricular Competitions 2017 organized by The Educationist with the collaboration HEC at Punjab University, Lahore from 17-04-2017 to 21-04-2017.

Competition	Students Name	Department	Positions
Qiraat	Hafiz Huzaiifa tur Razzam	Institute of Administrative Sciences	1 st
Naat	Sadia Ashraf	Department of Zoology	2 nd
Urdu Debate	Shahbahat Qamar	College of Pharmacy	1 st
National Songs	Zainab Rehman	Institute of Education & Research	2 nd
Urdu Nazm	Mubashir Saeed	College of Pharmacy	2 nd



Painting	Haider Ai	College of Art & Design	2 nd
Urdu Debate	Shaista Fajar	Department of Zoology	2 nd
Poetry	Hafiz Kashif Nadeem	Department of Urdu	2 nd
National Song	Muhammad Awais	Department of English Language & Literature	1 st
Painting	Maleeha Mateen	College of Art & Design	1 st
English debate	Masooma Fatima	College of Pharmacy	1 st

Punjab University won team trophy & also received rs. 100,000/- cash prize

35. FUNKARIYAN'17 – An Inter-University Drama and Stand-up Comedy Competitions organized by University of Central Punjab, Lahore from 25-04-2017 to 28-04-2017.

Competition	Students Name	Department	Positions
Drama	Wajahat Aurangzaib	Institute of Business Administration	Best Production Award
	Mohsin Baig	Department of Gender Studies	
Drama	Hammas Hameed	Institute of Communication Studies	Best Direction Award
Drama	Feroz Butt	Institute of Communication Studies	Best Actor Award
Drama	Zarbha Khan	Institute of Communication Studies	Best Supporting Actress Award
Drama	Zain ul Abdeen	Institute of Social & Cultural Studies	Best Supporting Actor Award
Drama	Hammas Hameed	Institute of Communication Studies	1 st (BEST PLAY)
	Sohaib Mugheera	Institute of Communication Studies	
	Wajahat Aurangzaib	Institute of Business Administration	
	Sara Tariq	Institute of Administrative Sciences	
	Feroz Butt	Institute of Communication Studies	
	Zain ul Abdeen	Institute of Social & Cultural Studies	
	Zarbha Khan	Institute of Communication Studies	
	Arsalan Akram	Centre for High Energy Physics	
	Mohsin Baig	Department of Gender Studies	
	Azmat Majeed	Institute of Social & Cultural Studies	
	Asim Ch.	Institute of Communication Studies	
	Sumbal Zafar	Department of Gender Studies	
	Malik Ahsan	Institute of Communication Studies	
	Khula Jamal	College of Arts & Design	
	Waleed Khalid	College of Engineering & Emerging Technology	
	Komal Idrees	Institute of Social & Cultural Studies	
	Raamis Ali	Institute of Communication Studies	
	Mutahir Abbas	Institute of Communication Studies	
	Sibte Hassan	Institute of Social & Cultural Studies	



	Subaina Javaid	Institute of Business Administration	
Stand-up Comedy	Asim Ch.	Institute of Communication Studies	Runners Up

36. All Pakistan Business Idea Competition 2017 organized by University of Lahore, Lahore on 02-05-2017.

Names of Team Members	Institutions	Position	Cash Prize
Hajra Javed Syed Joahn Hassan Salar Ehsan Saad Arshad Saqib Ali Harmain Salman	Institute of Business Administration	1 st Position	15000/-

37. All Women Intervarsity Qiraat & Naat Competition 2017 at Fatima Jinnah Medical University, Lahore on 04-05-2017.

Competition	Students Name	Department	Positions
Qiraat	Muqadas Rehman	Department of Urdu	3 rd
Naat	Sadia Ashraf	Department of Zoology	2 nd

38. 2nd Round of 19th All Pakistan Inter University Declamation Contest for Award of Allama Iqbal Shield at Regional Level organized by Higher Education Commission on 08-05-2017.
Ms. Shabhat Qamar, College of Pharmacy got 3rd Position in Urdu Debate and qualified for Final Round.

39. All Pakistan Bilingual-Declamation Competition "Majmaa'17" organized by Variables a non Profit Youth Organization, Faisalabad on 06-05-2017.

Competition	Names of Team Members	Institutions	Position	Position
Urdu Declamation (Urdu Serious)	Ahmad Gulzar	Institute of Business Administration	2 nd	Team Trophy
English Declamation (English Humorous)	Ammaz Shabir	PUCIT		
English Declamation (English Serious)	Masooma Fatima	College of Pharmacy	1 st	

40. All Pakistan Poetry & Bait Bazi Competitions organized by Fatima Jinnah Medical University, Lahore on 10-05-2017.

Competition	Participant	Department	Positions
Bait Bazi	Musa Kazim	Institute of Applied Psychology	1 st
	Sohaib Mugheera	Institute of Communication Studies	



Urdu Nazm	Sohaib Mugheera	Institute of Communication Studies	1 st
Afsana	Mustafa Mendi	Department of Urdu	1 st
Urdu Nazm	Mubashir Saeed	College of Pharmacy	2 nd
Afsana	Mubashir Saeed	College of Pharmacy	2 nd

41. 2nd All Pakistan Drama & Stand-up Comedy Competitions organized by University of Lahore, Lahore from 08-05-2017 to 10-05-2017.

Competition	Participant	Department	Positions
Script Writing	Sohaib Mugheera	Institute of Communication Studies	1 st
Stand-up Comedy	Asim Ch.	Institute of Communication Studies	1 st

42. 3rd GCU All Pakistan Inter Collegiate & Inter Universities Quiz Competition 2017 organized by Govt. College University, Lahore.

Competition	Participant	Department	Positions
Quiz	Atif Shahfiq	University Law College	3 rd
	Asad Raza Mohal		

43. 1st Annual Bait Bazi Competition regarding GEM OLYMPIAD 2017 organized by Gujranwala Medical College, Gujranwala on 11-05-2017.

Competition	Students Name	Department	Positions
Bait Bazi	Tahir Javed	Institute of Business Administration	1 st
	Hafiz Sharafat		

44. LGU Bilingual Declamation Competition for Allama Iqbal Shield organized by Lahore Garrison University, Lahore on 11-05-2017.

Competition	Participant	Institutions	Position
Bilingual Declamation	Ismail Sherwani (English Serious)	Punjab University College of Information Technology	1 st
	Shahbahat Qamar (Urdu Serious)	College of Pharmacy	1 st

Punjab University Students Won Team Trophy

45. 6th All Pakistan Literary Festival organized by University of Engineering & Technology, Lahore from 11-05-2017 to 12-05-2017.

Competition	Participant	Institutions	Position
English Essay Writing	Fatima Hasnain	Department of English	1 st
English Poem	Ayesha Yaseen	Department of English	3 rd
Urdu Ashra	Raqayya Malik	Institute of Social & Cultural Studies	2 nd
English Short Story	Hira Rafeeq Rao	Department of English	2 nd
Urdu Maza'h	Mustafa Mendi	Department of Urdu	3 rd
Urdu Nazm	Maisam Abbas	Institute of Communication Studies	3 rd
Urdu Afsana	Iram Rafeeq	Department of Urdu	2 nd



Punjabi Nazm	Mubashir Saeed	College of Pharmacy	3 rd
Bait Bazi	Musa Kazim	Institute of Applied Psychology	3 rd
	Maisam Abbas	Institute of Communication Studies	

Punjab University Students Won over all Team Trophy.

46. British Parliamentary Style of Debates regarding Technobate '17 at Forman Christian College, Lahore from 12-05-2017 to 15-05-2017.

Competition	Names of Team Members	Institutions	Position
English Parliamentary Debate	Abu Bakar	University Law College	Team Trophy
	Sheroz Ayub	Punjab University College of Information Technology	

Urdu Parliamentary Debate	Ms. Naima Ali	Institute of Biochemistry & Biotechnology	Runner Up Trophy
	Rashid Tashfeen	University Law College	
English Parliamentary Debate	Shehan Zafar	Punjab University College of Information Technology	2 nd Runner Up Trophy
	Salman Afzal	University Law College	

47. PTV Azadi Quiz Competition regarding Independence Day Celebrations 2017 organized by PTV Lahore Centre on 28-07-2017.

Competition	Participants	Institution	Position	Cash Prize
Quiz	Atif Shahfiq	University Law College	1 st	Rs. 30,000/-
	Shahzad Abbas	Pakistan Study Centre		

48. Final Round of PTV Azadi Quiz Competition regarding Independence Day Celebrations 2017 organized by PTV, Islamabad Centre on 01-08-2017.

Competition	Participants	Institution	Position	Cash Prize
Quiz	Atif Shahfiq	University Law College	2 nd Position	Rs. 30,000/-
	Shahzad Abbas	Pakistan Study Centre		

49. Pakistan Speaks Debate Competition organized by PTV, Lahore Centre on 03-08-2017

Competition	Participants	Institution	Position	Cash Prize
Urdu Debate	Shabahaat Qamar	College of Pharmacy	Team Trophy	Rs. 30,000/-
	Abdul Haseeb	Electrical Engineering		
	Shaista Fajar	Department of Zoology		

50. Intervarsity Qiraat, Naat, Speech, Essay Writing, Declamation, Milli Naghma, Poster/Painting and Quiz competitions regarding Independence Day Celebrations 2017 among the public/private sector universities of Lahore Division organized by Directorate of Students Affairs, University of the Punjab and Higher Education Department, Govt. of Punjab, Lahore from 3rd to 5th August, 2017.



The following students of Punjab University qualified for Provincial Round securing 1st position in Lahore Division.

Competition	Date	Category	Winners Name	Department	Position
Painting/Poster	03-08-17	Female	Khadija Javaid	College of Art & Design	1 st
Urdu Essay Writing	03-08-17	Male	Saqib Rasheed	Institute of Agricultural Sciences	1 st
Qiraat	04-08-17	Male	Asad Sharif	Hailey College of Commerce	1 st
Naat	04-08-17	Female	Sadia Ashraf	Department of Zoology	1 st
Quiz	04-08-17	Male	Atif Shafique	University Law College	1 st
Quiz	04-08-17	Female	Halima Ahmed	Pakistan Study Centre	1 st
Urdu Speech	05-08-17	Male	Abdul Haseeb	College of Engineering & Emerging Technology	1 st
Urdu Speech	05-08-17	Female	Shabahat Qamar	College of Pharmacy	1 st
English Speech	05-08-17	Male	Shehan Zafar	Punjab University College of Information Technology	1 st
English Speech	05-08-17	Female	Masooma Fatima	College of Pharmacy	1 st
English Declamation	05-08-17	Female	Rameesha Khan	College of Pharmacy	1 st
National Songs	05-08-17	Male	Ghufran Chishti	College of Art & Design	1 st

51. Provincial round:

The provincial round competitions were organized by different public sector universities of Lahore and Higher Education Department, Govt. of Punjab regarding Independence Day Celebrations 2017. In these competitions first positions holder of all division of Punjab participated in their respective competitions.

Competition, Place	Date & Organized By	Category	Winners Name	Department	Position
Painting/Poster	09-08-17, Punjab University	Female	Khadija Javaid	College of Art & Design	1 st
Urdu Essay Writing	10-08-17 Univ. of Education	Male	Saqib Rasheed	Inst. of Agricultural Sci.	1 st
Qiraat	11-08-17 GCU, Lahore	Male	Asad Sharif	HCC	1 st
Naat	11-08-17 GCU, Lahore	Female	Sadia Ashraf	Department of Zoology	2 nd
Quiz	11-08-17 UET, Lahore	Male	Atif Shafique	University Law College	3 rd



Quiz	11-08-17 UET, Lahore	Female	Halima Ahmed	Pakistan Study Centre	2 nd
Urdu Speech	10-08-17 Univ. of Education	Male & Female	Abdul Haseeb	Electrical Engineering	3 rd
Urdu Speech	10-08-17 Univ. of Education	Male & Female	Shabhat Qamar	College of Pharmacy	1 st
English Speech	10-08-17 Punjab University	Male	Shehan Zafar	PUCIT	1 st
English Speech	10-08-17 Punjab University	Female	Masooma Fatima	College of Pharmacy	1 st
English Declamation	10-08-17 Punjab University	Female	Rameesha Khan	College of Pharmacy	1 st
National Songs	11-08-2017 GCU, Lahore	Male	Ghufran Chishti	College of Art & Design	2 nd

52. Express Education & Career Expo from 09-08-2017 to 10-08-2017 at Faletti's Hotel, Lahore.

Event	Students Name	Department	Position
Urdu Debate	Salman Afzal	IBIT	1 st
Open Mic	Mohsin Baig	Gender Studies	Recognition
Ad Campaign	Bilal Rana & Team	IBA	2 nd

53. 12th All Pakistan Major Muhammad Akram Shaheed Declamation Contest at Military College, Jhelum on 23-09-2017

Competition	Names of Team Members	Institutions	Position
English Declamation (English Serious)	Rameesha Khan	College of Pharmacy	2 nd

54. Defiance Day Declamation GUFTAAR organized by Pakistan Debating Society, Lahore

Competition	Names of Team Members	Institutions	Position
Urdu Debate	Shaista Fajar	Department of Zoology	2 nd

55. 1st Muqadma '17, 1st All Pakistan Bilingual Declamation Competition Organized By Multan Debating Society (Mds), Multan From 11-10-2017 to 12-10-2017.

Competition	Names of Team Members	Institutions	Position
English Declamation (English Humorous)	Ammaz Shabir	Punjab University College of Information Technology	1 st
Urdu Declamation (Urdu Serious)	Shabhat Qamar	College of Pharmacy	3 rd



56. 1ST Edition of AU All Pakistan Declamation Competition 2017 Organized By Air University, Islamabad From 14-10-2017 To 15-10-2017.

Competition	Names of Team Members	Institutions	Position
English Declamation (English Serious)	Ismail Sherwani	Punjab University College of Information Technology	3 rd
Urdu Declamation (Urdu Humorous)	Salman Afzal	College of Pharmacy	3 rd
Urdu Declamation (Urdu Serious)	Shaista Fajar	Department of Zoology	Consolation Prize

57. CIIT All Pakistan Intervarsity Bilingual Declamation Competition 2017 at COMSATS Institute of Information Technology, Lahore on 08-11-2017.

Competition	Names of Team Members	Institutions	Position	Position
English Declamation (English Serious)	Rameesha Khan	College of Pharmacy	1 st	Team Trophy
Urdu Declamation (Urdu Humorous)	Yasir Waseem	Institute of Communication Studies		

58. Observance & Reporting of the Anti-Corruption Awareness Activities Culmination in to Anti-Corruption Week 8th December. 2017 from 16-11-2017 to 18-11-2017

Competition	Participant	Department	Position
Poster	Muhammad Awais Adil	College of Art & Design	Honorary Prize
Painting	Khudaija	College of Art & Design	1 st
Poetry	Maisam Abbas	Institute of Communication Studies	2 nd
Poetry	Ruqayyah Maalik	Institute of Social & Cultural Studies	3 rd
Singing	Ali Jaan	Institute of Communication Studies	1 st
	Salman Amjad	Institute of Business Administration	2 nd
	Zainab Rehman	Institute of Education & Research	Consolation Prize
	Awais Ahmad	Department of English	Consolation Prize



59. Students Music Competition Organized By The All Pakistan Music Conference, Lahore 21-11-2017

Competition	Names of Team Members	Institutions	Position	Position
Ghazal	Ghuffran Chishti	College of Art & Design	1 st Gold Medal	Team Trophy
Sami Classical	Muhammad Awais	Department of English Language & Literature	1 st Gold Medal	
Solo Tabla	Zaroon	Institute of Biochemistry & Biotechnology	1 st Gold Medal	
Flute	Nazar Abbas	Institute of Clinical Psychology	1 st Gold Medal	

60. 2nd Decrodeco-2017 All Pakistan Bilingual Declamation Contest organized by University of Veterinary and Animal Sciences, Lahore on 23rd November, 2017.

Competition	Names of Team Members	Institutions	Position	Position
English Declamation (English Serious)	Rameesha Khan	College of Pharmacy	1 st	Team Trophy
Urdu Declamation (Urdu Humorous)	Salman Afzal	Institute of Business & Information Technology		

61. All Pakistan Declamation Contest 2017 at Lahore Grammar School, Lahore on 23-11-2017.

Competition	Names of Team Members	Institutions	Position
Urdu Declamation (Urdu Serious)	Shabahat Qamar	College of Pharmacy	2 nd

62. All Pakistan Forman Bilingual Declamation Contest 2017 Organized By Forman Christian College University, Lahore From 07-12-2017 To 08-12-2017

Competition	Names of Team Members	Institutions	Position	Position
English Declamation (English Serious)	Rameesha Khan	College of Pharmacy	1 st	Team Trophy
Urdu Declamation (Urdu Humorous)	Salman Afzal	Institute of Business & Information Technology		



63. Observance & reporting of the anti corruption awareness activities culmination in to anti corruption week 9th december. 2017 from 16-11-2017 to 18-11-2017

Competition	Names of Team Members	Institutions	Position
Music (Theme Songs)	Ali Jaan	Institute of Communication Studies	1 st
	Salman Haider	Institute of Business Administration	2 nd
Painting	Khudija Javed	College of Art & Design	1 st

64. "National youth carnival 2017 (nyc'17)" organized by directorate general sports & youth affairs, govt. Of kpk, peshawar, from 10-12-17 to 13-12-17.

The Punjab University students secured 11 GOLD MEDALS and 4 SILVER MEDALS and also WON OVERALL TEAM TROPHY IN "NATIONAL YOUTH CARNIVAL 2017 (NYC)". The winning players were awarded with Rs 60,000 each while runner up were given Rs 40,000 apart from medals. Competitions were held in 30 different categories where teams from more than 100 educational institutions from across the country participated. Punjab University students team also revied cash award of Rs. 3,00,000/- as "National Championship Team". The details are as under:

Competition	Students Name	Department	Position	Cash Prize in Rs.
Calligraphy	Noman	College of Art & Design	Gold Medal	60,000/-
Short Film	Asim Zubair	Institute of Communication Studies	Gold Medal	60,000/-
Spot Photography	Moez Alvi	College of Art & Design	Gold Medal	60,000/-
Photo Essay	Moez Alvi	College of Art & Design	Gold Medal	60,000/-
Urdu Singing	Ghufran Chishti	College of Art & Design	Gold Medal	60,000/-
Pashto Singing	Muslim Shagan	Institute of Communication Studies	Gold Medal	60,000/-
Music Band	Ghufran Chishti	College of Art & Design	Gold Medal	60,000/-
	Muslim Shagan	Institute of Communication Studies		60,000/-
	Nazar Abbas	Institute of Applied Psychology		60,000/-
	Muhammad Afindi	Institute of Administrative Sciences		60,000/-
	Ammanat Ali	Department of Gender Studies		60,000/-



Qiraa't	Hafiz Asad Sharif	Hailey College of Commerce	Gold Medal	60,000/-
Naa't	Ali Behzad	Institute of Communication Studies	Gold Medal	60,000/-
Urdu Essay Writing	Sohaib Mugheera	Institute of Communication Studies	Gold Medal	60,000/-
Stand Up Comedy	Malik Ahsan	Institute of Communication Studies	Gold Medal	60,000/-
Hindco Singing	Saba Butt	College of Statistics & Actuarial Sciences	Silver Medal	40,000/-
Console Gaming (FIFA)	Ammaz Shabbir	Punjab University College of Information Technology	Silver Medal	40,000/-
Chess	Ali Rayyan Sanwal	Department of Philosophy	Silver Medal	40,000/-
Urdu Declamation	Ahmed Gulzar	Institute of Business Administration	Silver Medal	40,000/-
	Salman Afzal	Institute of Business & Information Technology		

65. 4th Abdul Sattar Edhi All Pakistan Declamation Contest 2017 Organized By University Of Lahore, Lahore from 11-12-17 to 12-12-2017.

Competition	Names of Team Members	Institutions	Position	Position
English Declamation (English Serious)	Ismail Sherwani	Punjab University College of Information Technology	3 rd	Team Trophy
Urdu Declamation (Urdu Humorous)	Hafiz Muhammad Yasir	Institute of Business & Information Technology	3 rd	

66. Naat Competition Organized By Nazaria-I-Pakistan Trust, Lahore On 19-12-2017

Competition	Names of Team Members	Institutions	Position
Naat (Male)	Haseeb Ahmad	Hailey College of Commerce	2 nd
Naat (Female)	Ayesha Afzal	Institute of Social & Cultural Studies	2 nd



Arrangements and coordination by the directorate of students affairs in various meetings/programs and visits 2017.

1. One Hundred (100) Students (male & female) attended the program regarding AWARENESS EVENT organized by Higher Education Department, Government of Punjab and Punjab Educational Endowment Fund (PEEF) on 11th January, 2017 at Aiwan-e-Iqbal, Lahore at 09:00 am. The honorable Chief Minister Punjab was the Chief Guest
2. A meeting of students from different Colleges and Universities of Lahore with Minister for Higher Education Punjab Syed Ali Raza Gillani was held in Al-Raazi Hall, Centre for Undergraduate Studies Punjab University on 09-01-2017. These students visited Gwadar Balochistan from 11-01-2017 to 13-01-2017 regarding Youth Mobilization Campaign Exposure/Interaction visit of Gwadar/Balochistan.
3. Twenty students from Punjab University and 02 officials visited Gwadar from 11-01-2017 to 13-01-2017 regarding Youth Mobilization Campaign. The visit was organized by Govt. of Balochistan, Pakistan Army and Govt. of Punjab.
4. Participation of Punjab University students in a talk show on 13-01-2017 at AAJ News Channel. In this talk show newly elected Mayors of Narowal, Kasur & Sheikhpura were invited at Qaddafi Stadium Lahore with the collaboration of Punjab Government. It is pertinent to mention that all these elected Mayors completed their graduation from abroad.
5. Interaction/Feedback session of the students delegation that visited Gwadar w.e.f. 11-13, January 2017 with honorable Raza Ali Gillani Minister for HED on 20-01-2017 at Al-Raazi Hall, Centre for Undergraduate Studies.
6. Fourteen students (male & female) from Punjab University and 02 officials visited Quetta & Ziarat, Balochistan from 11-01-2017 to 13-01-2017 regarding Youth Mobilization Campaign. The visit was organized by Govt. of Balochistan, Pakistan Army and Govt. of Punjab from 15-05-2017 to 19-05-2017. Minister of Higher Education Department, Govt. of Punjab lead the students delegation.
7. The Directorate of Students Affairs (STC) organized an Interdepartmental Qiraat & Naat Competitions (final round) on Thursday, the 16th February, 2017 at Al-Raazi Hall, Centre for Undergraduate Studies.
8. Visit of more than 20 students from different departments to Punjab Forensic Sciences Agency arranged by Information and Culture Department, Government of the Punjab on 09-02-2017.
9. A group of about 150 students (boys/girls) attended "Maritime Seminar" at University Level organized by Pakistan Marine Academy and Government of the Punjab on 11-02-2017 at Aiwan-e-Iqbal, Lahore. The first session was chaired by Minister of Education Punjab for Schools, Rana Mashood Ahmad and closing session was presided by Honorable Governor Punjab, Mr. Rafique Rijwana. Commodore Akbar Naqi, Commandant, Pakistan Marine Academy briefed about the importance of CPEC and Gwadar Port. Chairman Pakistan National Shipping Corporation Mr. Arif Elahi also addressed the students.



10. Participation of Punjab University students in a group discussion with the faculty members and students from University of Chicago, USA regarding Women's Empowerment in the office of *Mubashir Javed* Lord Mayor of Lahore Metropolitan City on 22nd of March 2017.
11. Refer to the minutes of meeting on 24th July, 2017 regarding Independence Day Celebrations 14 August, 2017 vide No. SO(QEU)1-11/2017, Government of the Punjab, Higher Education Department. The Directorate of Students Affairs organized Intervarsity Qiraat, Naat, Speech, Essay Writing, Declamation, Milli Naghma, Poster/Painting and Quiz competitions regarding Independence Day Celebrations 2017 among the public/private sector universities of Lahore Division with Collaboration of Higher Education Department, Govt. of Punjab, Lahore from 03-08-2017 to 05-08-2017.

Provincial round:

The provincial round competitions were organized by different public sector universities of Lahore and Higher Education Department, Govt. of Punjab regarding Independence Day Celebrations 2017. In these competitions first positions holder of all division of Punjab participated in their respective competitions from 9th to 10th August 2017.

1. A DAY OUT WITH PAK ARMY
Hundred (100) male & female students from different departments of Punjab University spent "A DAY OUT WITH PAK ARMY" arranged by 10 Division, Army Headquarters, Lahore on 18th August, 2017.
2. The Punjab Educational Endowment Fund (PEEF) Youth Development Centre Murree organized Entrepreneurial Skills Development Training Workshop 2016 for the PEEF Scholars of University of the Punjab from 25-08-2017 to 27-08-2017 at Punjab House, Murree. The Directorate of Students Affairs make all the arrangements.
3. Hundred (100) male & female students from different departments of Punjab University spent "A DAY OUT WITH PAK ARMY" along with Shahid Mahmood Gul, Director Students Affairs, arranged by 10 Division, Army Headquarters, Lahore on 30-08-2017.
4. The Director Students Affairs organized by All Pakistan Parliamentary Championship 2017 from 24th to 27th November 2017. 35 Urdu Parliamentary Teams & 30 English Parliamentary Teams all over the Pakistan participated in this championship. This event offers a platform for debaters from all parts of the country to come together and discuss topics of socio and economic importance.
5. The Director Students Affairs organized All Pakistan Bilingual Declamation Competition from 29th- 30th November 2017. 42 teams (84 participants) all over the Pakistan participated in Competition.
6. Karwan-E-Yaqjehti
Twenty male & female students and 02 officials from Punjab University were a part of "Karwan-e-Yaqjehti" tour to Quetta, Balochistan regarding Independence Day Celebrations 2017 from 11th to 16th August, 2017. The visit was organized by Higher Education Commission, Govt. of Balochistan and Pakistan Army.



7. Inaugural Ceremony of Pakistan's Tallest Flag At Bab-E-Azadi, Wagha Border, Lahore
About One Hundred and Twenty (120) Students (male & female), faculty members and officials attended the historical inaugural ceremony of "Pakistan's Tallest Flag" at Bab-e-Azadi, Wagha Border, Lahore on the Invitation of Pakistan Rangers, Punjab on 13th / 14th August midnight. Honorable Lt. Gen. Qamar Javaid Bajwa, Chief of Pakistan Army graced the ceremony as chief guest.
8. The Directorate of Students Affairs an organized Interdepartmental Arfana/Sufiyana Kalam Singing Competitions on Tuesday, the 14th March, 2017 at Al-Raazi Hall, Centre for Undergraduate Studies
9. A program regarding the celebrations of 135th Anniversary of University of the Punjab was held on 31-10-2017 Faisal Auditorium, University of the Punjab. Worthy Vice-Chancellor Prof. Dr. Zaffar Mueen Nasar presided over the program.

Accommodation facility at directorate of students affairs (stc) for faculty members /officials and students visited lahore for conferences, study tours etc 2017.

Summary Table 2017

Total Tours	Total Students	Faculty Members/Officials accompanied Tours/Guest from other Universities & Punjab University Faculty/Officials Guests
23	572	514

Short list of Study Tours whose faculty members and students visited Punjab University

- University of Peshawar, Peshawar
- Quaid-i-Azam University, Islamabad
- Azad Kashmir University, AJK
- Management College, Abbottabad
- Sawat College, Sawat
- Govt. College, Peshawar
- Azad Kashmir University, AJK
- Cadet College, Jafarabad, Balochistan
- Abbottabad College, Abbottabad
- Quaid Azam University, Islamabad
- Islamia University, Bahawalpur
- Degree College, Jhang
- Balochistan College, Quetta
- Govt. College Kotli, AJK
- Laki murrawat College, Peshawar
- Shaheed Zulfiqar Ali Bhatto Zarai College, Sindh



This office also deals with the followings:

a) Admission Stalls And Admission Guide Book

Every year, admission stalls are set up in the premises of Punjab University by the Directorate of Students Affairs in order to facilitate and accommodate the students aspiring for admission in one of the most prestigious educational institutes of South Asia. The stalls are established in prominent areas of the campus to cater to the queries of the applicants. Thousands of applicants benefit through the valid, useful information and updates that are provided to them by the Faculty and staff which has comprehensive knowledge and valuable suggestions regarding the admission procedures.

Furthermore, the Directorate of Students Affairs also publishes an ADMISSION GUIDEBOOK every year which contains authentic information about the various departments, program-wise previous merit and its calculation methods, extensive details of the programs offered in the university, contact information of relevant personnel, and everything else that students may be looking for while entering the university for the first time to get admission. Thousands of copies of the guidebook are distributed free of cost to the applicants in order to facilitate them during the admissions on the directions of Worthy Vice Chancellor.

b) Admission Trials

Each year, University of the Punjab enrolls exceptionally talented students on the basis of Co-curricular activities. The trials for the students are based solely on merit and the number of laurels these students then bring for the university cement the success of this criteria. The admission trials are held in various categories such as Naat, Qiraat, Debates, Acting, Singing, Quiz etc. The Directorate of Students Affairs has been assigned with the task of organizing these trials and manages it profoundly with managerial efficiency and competency. Each year, more than a thousand applicants appear before the Selection Committee constituted by the Vice Chancellor for admission in the university who are then observed and evaluated by a distinguished and proficient jury panel. These students, once admitted, are further refined through coaches on the platform of DSA to represent the university on provincial, national and international forums.

c) Collection of data of foreign students studying in punjab university as per information provided by all teaching departments.

d) Preparation of list of students studying in punjab university other than punjab province.

e) The director students affairs holds the office of secretary, discipline committee. Therefore, this office deals with all disciplinary matters and conduct discipline committee meetings

f) On the directions of worthy vice-chancellor, director students affairs established a group of advisor students of all teaching departments for smooth functioning of students matters in a short notice.



Chapter

12

FINANCE

- *Financial Year at a Glance*
- *Development Budget*
- *Recurring Budget*
- *Self-Generated Income*
- *Trend of Per Student Spending*



CHAPTER 12

Finance

Finance year at Glance

The University started financial year 2016-17 with projected deficit of **Rs.1,192.354** million. Main reason for the deficit was increase in salaries over the four years not compensated with increase in Government Grants. To meet with the deficit, multifaceted plans were initiated. Which were;

- H.E.C. was requested to provide additional funding for increase in salaries.
- Self-generation of income from existing resources was focused.
- New hiring was restricted to only in essentially required cases.
- Certain expenses were curtailed.
- Financial year 2016-17 closed with contributions of **Rs.92.500** million to Endowment funds and savings of **Rs.27.232** million.

Development Budget

Development expenditure of Rs.408.388 was estimated for 2016-17 including Rs.175 million for development of buildings and structures and Rs.233.388 million for purchase of Equipment, Furniture, Computers, Software's.

Recurring Budget

Following are the details of Budget Estimates for the year 2016-17

S.No	Description	Amount (Rs. in Million)
i)	Pay & Regular Allowances	3691.541
ii)	Other Benefits & Facilities	483.913
iii)	Pension	861.462
iv)	Conduct & Remuneration of Examinations	436.950
v)	Utility Charges	413.319
vi)	Lumpsum Provision for Research	37.939
vii)	Scholarships (Faculty / Students)	212.464
viii)	Other Current Expenditures	292.417
ix)	Development Budget	281.183
	Total:	6,711.188



Self-Generated Income

Self-generated income of the University of the Punjab comprised of four major sources as under:

▪ From Regular / Self Supporting / Foreign Students	Rs. 373.517
▪ From Examinations	Rs.2,229.125
▪ From Registration / Degree	Rs. 868.549
▪ From land and other sources.	Rs. 581.127
▪ Endowment funds.	<u>Rs. 287.478</u>
Total:	<u>Rs.4,339.796</u>

Trend of Per Student Spending

Year	Annual Expenses	On-Campus students	Annual Expenses per student
2016-17	6,711,188,000	22,122	303,372



Chapter
13

UNIVERSITY GOVERNANCE

- *Heads of Administrative Departments*
- *Syndicate Meetings*
- *Academic Council Meetings*
- *Board of Advanced Studies Meetings*


CHAPTER
13

University Governance

Heads of Administrative Departments

1. Vice-Chancellor	(i) Prof. Dr. Mujahid Kamran (03.01.2008 to 18.12.2016) (ii) Dr. Zaffar Mueen Nasar (19.12.2016 to 06.01.2018)
2. Pro-Vice-Chancellor	Vacant
3. Registrar	(i) Dr. Liaqat Ali Professor on contract Hailey College of Commerce (Additional assignment from 11.10.2014 to 31.01.2017) (ii) Prof. Dr. Muhammad Naeem Khan Dean, Faculty of Life Sciences (Additional assignment from 01.02.2017 to 01.03.2017) (iii) Dr. Muhammad Khalid Khan Director, Human Resource Department (HRD) (Additional assignment from 02.03.2017 to date)
4. Treasurer	Rao Muhammad Sharif Additional Treasurer (Additional assignment from 06.03.2012 to 08.09.2015) (On contract from 09.09.2015 to 13.03.2018)
5. Controller of Examinations	Prof Dr. Shahid Munir Director, Centre for Cool Technology (Additional assignment from 13.10.2014 to 22.02.2018)
6. Chief Librarians	Mr. Hasseb Ahmad Piracha (temporary basis from 01.12.2014 to 18.10.2017)



7. Chief Medical Officer	Dr. Tehseen Zamir Ali Deputy Chief Medical Officer (Additional assignment from 29.12.2015 to date)
8. Chairman, Hall Council	Prof. Dr. Abid Hussain Ch. Chairman, Department of Secondary Education (IER) (Additional assignment from 26.08.2015 to 04.03.2018)
9. Director, Directorate of Student Affairs	Mr. Shahid Mahmood Gul Assistant Professor Department of Philosophy (Additional assignment from 29.01.2014 to 04.03.2018)
10. Resident Officer-I	(i) Prof. Dr. Sajid Rashid Ahmad Institute of Geology (Additional assignment from 18.10.2014 to 31.01.2017) (ii) Prof. Dr. Abdullah Khan Durani Institute of Chemical Engineering & Technology (Additional assignment from 01.02.2017 to 02.06.2017) (iii) Mr. Iftikhar Ahmad Ch. Chief Pharmacist PU Teaching Hospital (Additional assignment from 03.06.2017 to date)
11. Resident Officer-II	Malik Muhammad Zaheer (14.10.2000 to date)
12. Chief Engineer	(i) Mr. Jamil Ahmad (11.03.2013 to 13.12.2016) (ii) Mr. Faiz ul Hassan Sipra University Engineer & Architect (Additional assignment from 13.12.2016 to 11.06.2017) (iii) Mr. Umair Latif Development Engineer (Additional assignment from 12.06.2017 to 18.01.2018)



13. Director, P&D Wing	<p>(i) Engr. Tariq Majeed Qureshi Formerly General Manager (Planning & Development)PTCL (on contract from 05.08.2008 to 12.01.2017)</p> <p>(ii) Mr. Muhammad Sharif Acting Treasurer (Additional assignment from 13.01.2017 to 20.02.2018)</p>
14. Director, Press & Publications	Mr. Amjad Pervez Assistant Professor, College of Art & Design (Additional assignment from 25.04.2012 to date)
15. Director, I.T. Centre	Mr. Imran Qureshi (01.12.2009 to date)
16. Director, Public Relations	Vacant
17. Director, Directorate of External Linkages	<p>(i) Ms. Maria Isabel Maldonado Assistant Professor Spanish Language (Additional assignment from 18.01.2010 to 12.05.2017)</p> <p>(ii) Dr. Fozia Hadi Ali Assistant Professor Hailey College of Commerce (Additional assignment from 13.05.2017 to date)</p>
18. Public Relations Officer	Mr. Khurram Shahzad (on contract basis 03.02.2011 to 18.10.2015) (on regular basis 19.10.2015 to date)
19. Resident Auditor	Mr. Muhammad Zafar Iqbal Government of the Punjab, Finance Department Town Accounts Officer, TMA, Samnabad Town Lahore. (on deputation from 18.03.2016 to date)



Meetings of Various Bodies of the University

The detail of meetings of various bodies of the University of the Punjab conducted by the Meetings Section from 1st October, 2016 to 30th September, 2017 are as under:-

Sr. No.	Statutory Body	No. of Meetings	Date
1.	Senate	00	Nil
2.	Syndicate	02	08-04-2017 08-06-2017
3.	Academic Council	01	17-08-2017
4.	Advanced Studies & Research Board	11	24-10-2016 15-11-2016 07-12-2016 16-12-2016 16-01-2017 02-02-2017 07-03-2017 18-04-2017 15-05-2017 01-06-2017 18-07-2017

Selection Boards

07 meetings of the Selection Board were held during the period (1st October 2016 to 30th September 2017). The detail of the appointments is as under:-

Professor	Associate Professor	Assistant Professor	Lecturer	Non-Teaching (BS-17 & above)	Total
06	02+02	22	02	10	44



Chapter

14

**OFFICE OF RESOURCE
GENERATION/DEVELOPMENT**

- *Scholars Proceeded Abroad for Ph.D Study*
- *Scholars Proceeded Abroad for Oral / Poster Presentation of Research Papers*

**CHAPTER****14****Office of Resource Generation/Development****Office of Resource Generation/Development****Scholars Proceeded Abroad For Ph.D Study**

from 01.10.2016 to 30.09.2017

Sr.#	Name	Department	Program	University	Country	2015-16
1	Mr. Muhammad Adeel Nisar Assistant Professor	Punjab University College of Information Technology	Ph.D	Universitat Siegen	Germany	1298927
2	Malik Faiz Hussain Ferdosi Assistant Professor	Institute of Agricultural Sciences	Ph.D	University of Georgia	USA	Not Paid
3	Ms. Farheena Iqbal Awan Research Officer/ Lecturer	Centre for Applied Molecular Biology	Ph.D	MONASH University	Malaysia	1666666
4	Mr. Iftikhar Ahmad Assistant Professor	Hailey College of Banking & Finance	Ph.D	University of Malaya	Malaysia	1600000
5	Mr. Muhammad Adnan Shan Research Officer Cum Lecturer	Centre for Applied Molecular Biology	Ph.D	University of Copenhagen	Denmark	1000000
6	Engr. Sana Ullah Lecturer	Institute of Chemical Engineering and Technology	Ph.D Return Air Ticket Only	University of New South Wales	Australia	Not Paid
7	Ms. Masooma Iftikhar Lecturer IT	Institute of Business Administration	Ph.D	Australian National University	Australia	1666666
8	Ms. Sadia Ahmad Lecturer (Banking & Finance)	Hailey College of Banking & Finance	Ph.D	University of Malaya	Malaysia	1600000



9	Mr. Asad Ejaz Sh Lecturer	Hailey College of Banking & Finance	Ph.D	The Global University of Islamic Finance (INCEIF)	Malaysia	1300000
---	------------------------------	--	------	---	----------	---------

Scholars Proceeded Abroad for Oral / Poster Presentation of Research Papers

From 01.10.2016 to 30.09.2017

Sr. No.	Name & Designation	Department	Subject	Country	Period
1	Dr. Umar Farooq Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Green removal of toxic Pb(II) and Cd(II) ions from aqueous solutions using biosorbent from branches of indigenous Ficus religiosa"	Riyadh, Saudi Arabi	08-10 November 2016
2	Dr. Muhammad Umar Manzoor Assistant Professor	Department of Metallurgy and Materials Engineering	Travel grant for oral presentation of research paper titled "Electrochemical Characterization of PVD Coated Altin on Stainless Steel Substrate for Biomedical Implant"	Melbourne, Australia	06-08 December 2016
3	Rana Ejaz Ahmad Assistant Professor	Department of Political Science	Travel grant for oral presentation of research paper titled "Politics of Persuasion and Power in the Political and Apolitical Institutions of Pakistan (2008-16)"	Riverside, California, USA	02-03 December 2016
4	Dr. Irfan Ahmed Shaikh Assistant Professor	College of Earth & Environmental Sciences	Travel grant for oral presentation of research paper titled "An Eco-Friendly Approach- Ozone based Treatment of Wastewater for Multiple Reuse"	Ayutthaya, Thailand	16-17 November 2016



5	Dr. Ahmed Usman Assistant Professor of Sociology	Institute of Social and Cultural Studies	Travel grant for oral presentation of research paper titled "Disintegration and Decay of Caste System in Rural Pakistan"	Arizona State University, USA	20-24 October 2016
6	Dr. Muhammad Younis Assistant Professor (On Contract)	Centre for Undergradu ate Studies	Travel grant for poster presentation of research paper titled "Exact optical solutions in optical fibers by Fan sub-equation method"	Minneapolis, MN USA	31 October - 04 November 2016
7	Prof. Dr. Javed Iqbal Qazi	Department of Zoology	Travel grant for oral presentation of research paper titled "Cost- effective microbial based processes for biofuels from biomass wastes in select developing countries"	Qingdao, China	10-12 November 2016
8	Syed Zohaib Javaid Zaidi Lecturer	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Particulate Continuous Ball Milling Activity On Polymers And Semi Crystalline Materials"	London, United Kingdom	07-11 June 2015
9	Mr. Amer Masood Lecturer (On Contract)	Department of Space Science	Travel grant for oral presentation of research paper titled "SRTM DEM based Neotectonics in Hunza Valley in Pakistan through Fractal Dimension and Stream- length Gradient Approach"	Cairo, Egypt	27 Nov - 01 December 2016
10	Dr. Naveed Iqbal Assistant Professor	Department of Business Administrati on Gujranwala	Travel grant for oral presentation of research paper titled "Unethical and Fraudulent financial Reporting Intentions among Future Accounting Professionals: Applying the Extended Theory of Planned Behaviour"	Sarawak, Malaysia	20-22 November 2016



11	Ms. Arifa Mirza Lecturer (On Contract)	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Hirota Bilinear Formalism and Rational Solution of Supersymmetric KDV Equation"	West Java, Indonesia	01-02 November 2016
12	Dr. Zaigham Abbas Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Overexpression, purification & antimicrobial activity of recombinant human β Defensin 3"	Al Ain, UAE	13-15 November 2016
13	Dr. Nageen Hussain Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Association of ACE I/D Polymorphism in Pakistani Cardiac Patients"	ACC Liverpool, UK	06-09 December 2016
14	Dr. Humara Bano Assistant Professor & In-charge Chairperson	Department of Special Education	Travel grant for oral presentation of research paper titled "ZPD an Approach to Develop Urdu Reading and Writing Skills among Students with Hearing Impairment"	London, UK	14-17 November 2016
15	Dr. Syed Nawazish-i-Husain Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Antidiabetic activity of Caralluma tuberculata in alloxan-induced rats"	London, UK	13-15 December 2016
16	Dr. Nadeem Sheikh Associate Professor	Department of Zoology	Travel grant for poster presentation of research paper titled "Immunohistochemical and hepatic gene expression changes in response to tacrolimus"	San Francisco, USA	03-07 December 2016



17	Dr. Zulfiqar Ali Associate Professor	Department of Zoology	Travel grant for poster presentation of research paper titled "Factory worker's lung functioning associated with PM2.5 mass concentrations"	Birmingham, UK	09-10 November 2016
18	Dr. Muhammad Kamran Assistant Professor	Department of Metallurgy and Materials Engineering (CEET)	Travel grant for poster presentation of research paper titled "Corrosion response of ASTM A-299 steel weldment in as-weld and Post weld heat treatment condition"	Salt Lake City, Utah, USA	23-27 October 2016
19	Mr. Nauman Alam Siddiqui Assistant Professor	Department of Metallurgy and Materials Engineering (CEET)	Travel grant for poster presentation of research paper titled "Fabrication of Superhydrophobic Coatings on AA 6061"	Salt Lake City, USA	23-27 October 2016
20	Dr. Arshad Javaid Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Culture Filtrates of Alternaria spp. As Natural Herbicides for Management of Parthenim Weed"	Sri Lanka	08-09 December 2016
21	Dr. Salik Nawaz Khan Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Incidence of Myrothecium leaf spot Myrothecium charantia in various agro-ecological zones of Punjab, Pakistan"	Sri Lanka	08-09 December 2016
22	Mr. Muhammad Ramzan Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "Predicting organizational citizenship behavior with leadership style, ethics and transformational leadership in south Asian perspective: a case of Pakistani firms"	Kuala Lumpur, Malaysia	28-30 November 2016



23	Dr. Khalida Khan Director	Centre for Integrated Mountain Research (CIMR)	Travel grant for poster presentation of research paper titled "Geospatial techniques for allocating vulnerability zoning of geohazards along the Karakorum Highway, Gilgit-Baltistan-Pakistan"	San Francisco, California, USA	12-16 December 2016
24	Ms. Tahira Nisar Lecturer	Institute of Business Administration	Travel grant for oral presentation of research paper titled "Mediating role of organizational ambidexterity in relationship between human resource practices and perceived organizational performance: Empirical Evidence from Pakistan"	Kuala Lumpur, Malaysia	10-11 December 2016
25	Mr. Shahzeb Khan Assistant Professor	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "The visible invisible in the Pre-Postcolonial: Towards an Epistemic Reprioritization"	Arch Street Philadelphia, USA	02-04 January 2017
26	Prof. Dr. Abid Hussain Ch. Chairman	Department of Secondary Education (IER)	Travel grant for oral presentation of research paper titled "A correlational study of secondary school students' Socio economic status, mathematics self-concept and achievement goal orientations"	Honolulu Hawaii, USA	03-06 January 2017
27	Dr. Ghulam Fatima Assistant Professor	Department of Special Education	Travel grant for oral presentation of research paper titled "Evaluation of Early Childhood Special Education Program at the Outcome Phase: A Stake's Countenance Model Perspective"	Honolulu Hawaii, USA	03-06 January 2017



28	Prof. Dr. Tahir Jamil Chairman	Department of Polymer Engineering & Technology	Travel grant for poster presentation of research paper titled "Polymer matrix membranes (PMM) modified with electrospun woven fibres by nanofiltration for Magnesium salts rejection"	Las Palmas, Gran Canaria, Spain	02-05 April 2017
29	Mr. Muhammad Sanaullah Lecturer	Institute of Geology	Travel grant for poster presentation of research paper titled "Fluoride Mobilization Mechanism and its Influence on Groundwater Quality Parameters for Deltaic Plain District of Lower Indus Basin"	Cesme Izmir, Turkey	22-24 March 2017
30	Dr. Muhammad Imran Din Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Single step green synthesis of stable photo catalyst Copper oxide Nanomaterial by Calotropis Procera extract"	Lisbon, Portugal	06-10 March 2017
31	Dr. Adnan Mujahid Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Imprinted Polymeric Materials for Selective Recognition of Anti-Diabetic Drugs in Complex Mixtures"	San Francisco, California	02-06 April 2017
32	Dr. Uzma Ahmed Assistant Professor	Department of Mathematics	Travel grant for oral presentation of research paper titled "On Automorphism Group Action and topological indices for Certain Families of Dendrimers"	Florida Atlantic University in Boca Raton, Florida, USA	06-10 March 2017
33	Dr. Nighat G. Ansari Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Validating Public Leadership Tool in the Context of Pakistan"	Budapest, Hungary	19-21 April 2017



34	Dr. Basharat Ali Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for oral presentation of research paper titled "Auxin production by plant growth promoting rhizobacteria improved growth and Yield of wheat (<i>Triticum aestivum</i> L.) under drought stress"	Bangkok, Thailand	27 February – 02 March 2017
35	Dr. Hafiz Abdul Qadeer Assistant Professor	Department of Arabic, Oriental College	Travel grant for oral presentation of research paper titled "Study of Riaz ul Faiz. An explanation of Seven Odes by Sheikh Faiz ul Hassan Saharanpuri"	Ismailiah, Egypt	27-28 February 2017
36	Dr. Madeeha Batool Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "From Low-Density Polyethylene Waste to liquid fuel using Tungstophosphoric Acid loaded Clay"	La Rochelle, France	16-19 May 2017
37	Dr. Imran Sajid Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "In Vitro Evaluation of the Desert Actinobacteria for Antimicrobial Activity against Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA)"	Jeju, Korea	23-27 May 2017
38	Dr. Hamed Sattar Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Thermal and Kinetic Analysis of Different Regions of Pakistani Coals"	Newcastle, UK	26-28 July 2017
39	Dr. Syed Nadir Hussain Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Combustion Characteristics of Indigenous Pulverized Coal and Biomass"	Newcastle, UK	26-28 July 2017



40	Dr. Amir Shafeeq Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Determination of calorific values of indigenous biomass"	Newcastle, UK	26-28 July 2017
41	Dr. Hafiz Muhammad Anwaar Asghar Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Thermal Analysis of Pakistani Coal and Biomass"	Newcastle, UK	26-28 July 2017
42	Ms. Hina Saleem Assistant Professor	Institute of Business & Information Technology	Travel grant for oral presentation of research paper titled "A Systematic Literature Review on Authentic Leadership"	Budapest, Hungary	19-21 April 2017
43	Prof. Dr. Nasira Jabeen Director/Dean	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Coproduction in developing countries: The case of National Planning & Primary Health Care"	Budapest, Hungary	19-21 April 2017
44	Dr. Naveed Ahsan Associate Professor	Institute of Geology	Travel grant for poster presentation of research paper titled "Depositional Setting and Reservoir Quality of the Lockhart Limestone (Lower Paleocene) in the Hazara-Kashmir Basin (NW Lesser Himalayas, Pakistan)"	Texas, USA	02-05 April 2017
45	Mrs. Iffat Sayeed Assistant Professor	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "The Configuration and Construction of the Female Body in the Contemporary Poetry of Pakistan"	United Kingdom	19-22 April, 2017



46	Prof. Dr. M. Taqi Zahid Butt Dean	Faculty of Engineering and Technology	Travel grant for oral presentation of research paper titled "Study of Addition of Wt.% Ratio of Silica Sand Nanoparticles on Aluminium-Carbon Fibers Hybrid Composites"	Strasbourg, France	22-26 May, 2017
47	Ms. Sidra Saleemi Assistant Professor	Department of Textile Engineering & Technology	Travel grant for poster presentation of research paper titled "An Economical Approach to Reuse Bleaching Liquor in Continuous and Batch-Wise Processes"	Istanbul, Turkey	12-14 May 2017
48	Prof. Dr. Muhammad Naeem Khan Dean	Faculty of Life Sciences	Travel grant for oral presentation of research paper titled "Sustainable agro-based earthen pond integrated carp fish farming in Pakistan: Transfer of American fish feed Technologies"	Missoula, Montana, USA	22-25 May 2017
49	Prof. Dr. Mubbasher Munawar Khan Principal	Hailey College of Banking & Finance	Travel grant for oral presentation of research paper titled "Customer satisfaction of Islamic banking customers – Empirical evidence from Islamic banks in Pakistan"	Antalya, Turkey	03-05 May 2017
50	Dr. Abdul Rehman Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for oral presentation of research paper titled "Molecular basis of Cd ²⁺ stress response in Candida tropicalis 3Aer"	Ho Chi Minh City, Viet Nam	16-20 May 2017
51	Mr. Muhammad Nasir Subhani Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Morphological characterization of Penicillium ulaiense causing whisker mold a new postharvest disease of citrus in Pakistan"	Skukuza (South Africa)	28 May – 03 June 2017



52	Dr. Muhammad Shahid Farid Assistant Professor	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Semi-automatic Segmentation of Scattered and Distributed Objects"	Polanica-Zdroj, Poland	22-24 May 2017
53	Dr. Maliha Uroos Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Synthesis of Coumarin derivatives search of potent pesticides for sustainable agriculture"	Grasmere, Cumbria, UK at Skukuza (South Africa)	04-08 May 2017
54	Dr. Fatima Rasool Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Cosmeceutical Evaluation of Stable Emulgel containing Albizia lebbeck Bark Extract"	Stockholm, Sweden	21-24 May 2017
55	Dr. Beenish Zahid Assistant Professor (IPFP)	Department of Zoology	Travel grant for oral presentation of research paper titled "Study on tissue tropism and molecular detection of VP2 gene of infectious bursal disease virus in experimentally infected broiler chicken"	Toronto, Canada	19-21 October, 2017
56	Dr. Javeed Ashraf Awan Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Thermodynamics of Natural Gas Containing Organic Sulfur Species (OSS): Phase Equilibrium Measurements and Modeling Using the Cubic-Plus-Association Equation of state"	Brisbane, Australia	04-05 June, 2017



57	Dr. Perveiz Khalid Assistant Professor (TTS)	Institute of Geology	Travel grant for oral presentation of research paper titled "An Assessment of Alluvium Aquifer Characterization and Subsurface Mapping to Detect Fresh and saline water aquifers in Karak Valley, Khyber Pakhtunkhwa, Pakistan"	Dresden, Germany	06-09 June, 2017
58	Dr. Mumtaz Akhter Dean	Faculty of Education	Travel grant for oral presentation of research paper titled "Perception of college teachers about educational institutions as learning organization"	Ontario, Canada	26-29 June, 2017
59	Dr. Mohsin Ali Raza Assistant Professor	Department of Metallurgy and Materials Engineering	Travel grant for poster presentation of research paper titled "Role of grapheme on the properties of cellulose fibre/polyester composites"	Melbourne Australia	23-28 July, 2017
60	Prof. Dr. Aamir Ijaz Director (ICET)	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Development and Characterization of water Resistant Vegetable oil based polyol adhesive for bonding wood"	Brisbane, Australia	04-05 June, 2017
61	Prof. Dr. Muhammad Makshoof Athar Director	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Biosorptive removal of hyper toxic metal Pb(II) ions by using Microwave Urea modified Saccharum Bengalense as an Eco-Friendly Biosorbent from Aqueous Solution: A Green approach"	Toronto, Ontario, Canada	May 28 – 01 June, 2017



62	Prof. Dr. M. Abdul Qadir	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Determination of Illegal Amines and Azo Dyes in Textile and Leather Industry using GC-MS"	Toronto, Ontario, Canada	May 28 – 01 June, 2017
63	Prof. Dr. Malik Zawwar Hussain	Department of Mathematics	Travel grant for oral presentation of research paper titled "G2 – Approximation of Parabolic Arcs"	London, UK	11-14 July, 2017
64	Ms. Tayyaba Muhammad Akram Lecturer	Department of Science Education, Institute of Education & Research	Travel grant for oral presentation of research paper titled "An investigation of the important students' Personality Traits and Attitude towards the course of Chemistry"	Ontario, Canada	26-29 June, 2017
65	Dr. Najam-ul-Sehar Afshan Assistant Professor	Centre of Undergraduate Studies	Travel grant for poster presentation of research paper titled "Aecidium Jasminicola, a new pathogen for Jasminum sp. In Pakistan?"	Fort Worth, Texas, USA	24-29 June, 2017
66	Dr. Abdul Rehman Khan Niazi Assistant Professor	Department of Botany	Travel grant for poster presentation of research paper titled "Sphaerogramium, a new holomorph for Uredo dalbergiae? And a common pathogen of Shisham tree in Pakistan"	Fort Worth, Texas, USA	24-29 June, 2017
67	Prof. Dr. Farah Kanwal	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Synthesis and Characterization of Surface modified Manganese Ferrite Nanoparticles to enhance their Biomedical Application"	Liverpool, UK	10-13 July, 2017



68	Dr. Amjad Hussain Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Microencapsulation: A taste and odour masking approach for garlic (Allium sativum) powder"	Hatfield, Herts, UK	05-07 September, 2017
69	Dr. Nasir Abbas Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Formulation and evaluation of fluconazole loaded nanosponges for improved topical drug delivery"	Hatfield, Herts, UK	05-07 September, 2017
70	Mr. Nisar Ahmed Lecturer (On Contract)	Institute of Geology	Travel grant for oral presentation of research paper titled "Geostatistical Reservoir Characterization to Predict Best litho-fluid Discriminators"	Perth, Australia	02-09 September, 2017
71	Ms. Sonia Omer Assistant Professor	Department of social work	Travel grant for oral presentation of research paper titled "A Social and Psychological Influence of Sexual Harassment on Female Students in Colleges: A Qualitative Insight from Lahore, Pakistan"	London, UK	05-07 July 2017
72	Dr. Naureen Akhtar Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Biological control of seed borne Aspergilli by chloroform extracts of common herbs"	Tasmania, Australia	02-05 July 2017



73	Mr. Azaz Ali Ather Bukhari Lecturer (On Contract)	Department of Banking and Finance Gujranwala Campus	Travel grant for oral presentation of research paper titled "Testing Asymmetry in Inflation Uncertainty, Unemployment Uncertainty and Economic Growth in case of Pakistan"	Ca' Foscari University, Italy	20-23 June, 2017
74	Prof. Dr. Muhammad Kamran Chairman	Department of Urdu	Travel grant for oral presentation of research paper titled "The Future of Pakistani Language and Literature in the Age of Digital Technology and Globalization"	London, UK	05-07 July 2017
75	Dr. Muhammad Shafiq Assistant Professor (Contract)	College of Earth and Environmental Sciences (CEES)	Travel grant for oral presentation of research paper titled "Direct Biogasification Potential of Macroalgal Biomass as First Generation Biofuels"	Miami, FL, USA	18-21 June 2017
76	Dr. Aisha Nazir Assistant Professor (Contract)	Department of Botany	Travel grant for oral presentation of research paper titled "Biofungicidal application of Crude Algal (Microspora sp). Extracts against Fusarium wilt in Tomato"	Miami, FL, USA	18-21 June 2017
77	Ms. Robina Begum Lecturer	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Fabrication, characterization and catalytic activity of copper nanoparticles loaded N-isopropylmethacrylamide based colloidal particles for degradation of methylene blue"	New York, USA	09-12 July 2017



78	Prof. Dr. Muhammad Saleem Haider Director	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Biocontrol Potential of Trichoderma longibrachiatum as an Entomopathogenic Fungi against Bemisia tabaci"	Manitoba, Canada	18-22 June 2017
79	Dr. Muhammad Ali Assistant Professor (Entomology)	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "To study the effects of various biopesticide, biocontrol agent and its compression with nenoicotinoid insecticide against Cotton Jassid (Amrsca biguttual biguttual) population on the aubergine (Solanum melongena L.)"	New South Wales, Australia	17-20 September 2017
80	Mr. Kamran Shaukat Lecturer	Department of IT (Jhelum Campus)	Travel grant for oral presentation of research paper titled "AN Efficient Stop Word Elimination Algorithm for Urdu Language"	Phuket, Thailand	27-30 June 2017
81	Dr. Muhammad Usman Awan Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Quality management in pharmaceutical supply chain of hospitals"	Edinburgh, Scotland, UK	01-05 July 2017
82	Dr. Rukhsana Iftikhar Associate Professor	Department of History	Travel grant for oral presentation of research paper titled "Turkish and Central Asian Influences on Indian Food"	Boston, USA	22-24 June 2017
83	Ms. Zahra Ishtiaq Paul Lecturer	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Devolution: A reality or rhetoric Case of 2001 Devolution in Environmental Protection Departments, Pakistan"	Shanghai, China	17-18 August 2017



84	Dr. Bushra H. Rahman Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Transforming identities and relations: Taliban peace talks and Pakistani media"	Cartagena, Columbia	13-24 July 2017
85	Dr. Abida Eijaz Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Articulation of Religion Cyberspace: The Case of Islamic Fatwa Websites"	Cartagena, Columbia	13-24 July 2017
86	Dr. Mubashira Khalid Assistant Professor	Department of Islamic Education IER	Travel grant for oral presentation of research paper titled "How I Deliver- Exploring the Preferred Instructional Styles of English Subject Teachers"	Ontario, Canada	26-29 June 2017
87	Ms. Madiha Waheed Malik Lecturer	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Relationship between Career Identity and Employability: Moderating Role of Gender"	Coventry, England	05-07 September 2017
88	Prof. Dr. M. Abdul Qadir	Institute of Chemistry	Travel grant for oral presentation of research paper titled "Novel Radiolabeled Polydentate Ligands as Potential Diagnostic Probes"	Boston USA	10-13 July 2017
89	Dr. Zahoor Hussain Farooqi Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Facile fabrication of silver nano catalysts within polymer microgel particles for reduction reactions in aqueous medium"	New York, USA	09-12 July 2017



90	Malik Fiaz Hussain Ferdosi Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Effect of foliar application of micronutrients (Zn & B) on vegetative and reproductive growth of mango (Mangifera indica L.) variety Langra"	Bolzano Italy	27-30 June 2017
91	Dr. Tehmina Anjum Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Anti-aflatoxigenic effects of the selected plant extracts in maize samples"	Marseille, France	24-28 July 2017
92	Prof. Dr. Nadeem Irfan Bukhari Principal	Punjab University College of Pharmacy	Travel grant for poster presentation of research paper titled "Synthesis and evaluation of pH dependent hydrogels for controlled release of Venlafaxine HCl"	University of Hertfordshire, UK	05-07 September 2017
93	Ms. Sobia Khurram Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Theoretical Underpinnings of Semi-Autonomous Revenue Authority Model: Which Theory"	Coventry, England	05-07 September 2017
94	Ms. Rahat Shamim Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "A novel method for determining the flow of cohesive pharmaceutical powders and improving the flow by using co-mitting technique"	University of Hertfordshire, UK	05-07 September 2017
95	Dr. Nageen Hussain Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Mutational analysis of Foxp3 gene in HIV patients"	Ellicott city, Maryland, USA	20-25 August 2017



96	Prof. Dr. Kanwal Ameen Chairperson	Department of Information Management	Travel grant for oral presentation of research paper titled "Graduates on Placement: Perceptions about Effectiveness and Learned Professional Skills"	Wroclaw, Poland	19-25 August 2017
97	Dr. Zafar Iqbal Ph.D (UK) Associate Professor	Department of Zoology	Travel grant for oral presentation of research paper titled "Import of ornamental fishes, risks to emerging pet fish trade, in Pakistan"	Bali, Indonesia	28 August – 01 September 2017
98	Malik Fiaz Hussain Ferdosi Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Effect of Foliar application of micronutrients (Zn & B) on vegetative and reproductive growth of mango (Mangifera indica L.) Variety Langra"	Yalta	from 25-28 September 2017
99	Ms. Tayyaba Muhammad Akram Lecturer	Department of Science Education (IER)	Travel grant for oral presentation of research paper titled "Perception of Secondary School students about Learning Difficulties and Misconceptions in basic concepts of Chemistry"	Harvard University in Cambridge, MA, USA	16-18 August 2017
100	Mr. Hussain Azam Lecturer (on contract)	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "Time and Its Endings in Jules Laforgue"	Helsinki, Finland	15-18 August 2017
101	Ms. Qurrat Ul Ain Farooq Lecturer	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Study of Antibacterial Properties of Herbal Essential Oils and Plant Extract against Plant Pathogenic Bacteria"	Waikoloa, Hawaii, USA	19-22 September, 2017



102	Dr. Amani Moazzam Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Women Networks: What's Amiss?"	Coventry, England	05-07 September 2017
103	Ms. Ayesha Fatima Barque Assistant Professor	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "Sexuality, Individuation and Alienation in Ibsen"	Helsinki, Finland	15-18 August, 2017
104	Dr. Lubna Zaheer Assistant Professor	Institute of Communication studies	Travel grant for oral presentation of research paper titled "Mass Media and Disaster Management in Pakistan"	Penang, Malaysia	23-25 August, 2017
105	Prof. Dr. Sajid Rashid Ahmad Principal	College of Earth and Environmental Sciences	Travel grant for oral presentation of research paper titled "Development of GIS based Community Health"	Oxford, U.K	17-19 August, 2017
106	Prof. Dr. Muhammad Abdullah Khan Durrani	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Synthesis and Characterization of Superabsorbent Polymer (CMC/PVP)"	Istanbul (Turkey)	08-10 September, 2017
107	Dr. Zill-e-Huma Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Characterization of Lignin Peroxidase by Ganoderma Applanatum on Effluent of Pulp and Paper Industry"	Istanbul (Turkey)	08-10 September, 2017
108	Dr. Rizwan Akhtar Assistant Professor	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "Fictional narratives preempting a literary Brexit: Kiran Desai's The Inheritance of Loss and Jhumpa Lahiri's The Lowland"	School of Advanced Studies, University of London	18-20 September, 2017



Chapter
15

HEALTH CENTRE & MEDICAL FACILITIES

- *Medical Facilities available*
- *Counseling for Stress Reduction*

**CHAPTER**
15**Health Centre & Medical Facilities****Health Centre / Medical Facilities**

Punjab University Health Centre is providing medical cover to about 1208 teachers, 5917 employees & their families and 7500 resident students. The University Health Centre is functioning six days a week under the directive of the Vice-Chancellor in order to provide maximum facilities to the University patients.

Average daily attendance in the out door clinic of the University Health Centre is about 250 patients. We have stopped providing general medication since January, 2011. A fully equipped Emergency Centre is functioning round the clock. With the establishment of Emergency Centre the University patients are being provided emergency care within the campus and very few patients with critical conditions have to be referred to Government hospitals.

Services of the Diabetic Clinic in the University Health Centre has also been improved. At present there are 1260 patients registered with the Diabetic Unit. Medical record of all these patients has been computerized and efforts are being made to control diabetes in these patients.

In 2017, 192 patients were provided comprehensive Cardiac treatment at Punjab Institute of Cardiology. Similarly 1820 patients were referred to Shaikat Khanum Memorial Cancer Hospital for treatment of Malignant diseases. This year 472 patients were referred to Sheikh Zayed Hospital for treatment.

The Health Centre is also equipped with Digital X-Ray and latest Ultrasonography machine. Radiology Section attends 15 to 16 patients for X-Ray as well as 9 to 11 patients for Ultrasonography per day.

Gynaecological and ante natal management

It is working 6 days a week. It includes prenatal counseling, antenatal record maintenance with regular follow up of patients and giving postnatal advice to the patients. It is very helpful in early detection of complications and warning signs of pregnancy and ensuring a healthy pregnancy outcome. Obstetrical out patients department is also equipped with sonic aid for fetal heart rate monitoring in high risk cases.

Eye Unit of the Health Centre is equipped with latest machines. One Ophthalmologist is providing his services to the University patients.



Physiotherapy Unit has also been established. Six to eight patients are being provided physiotherapy treatment every day.

One Senior Medical Officer is deputed at Allama Iqbal Campus (AIC). He provides medical aids to students and employees working in different departments at Allama Iqbal Campus. The Chief Medical Officer also visits AIC once a week.

50 to 60 patients including students, employees visit to the Laboratory for different tests. After getting admission in the University, 3170 students have visited the Health Centre this year for Hepatitis screening. Out of which 3170 students turned out 10 HBS-Ag positive and 55 HCV positive. Eighty Eight patients (153 Employees + 18 Students) received treatment for Hepatitis-B and Hepatitis-C from the Health Centre.

A full fledged Pharmacy is working in the Health Centre under the supervision of One Chief Pharmacist and two Pharmacists.

At present the Health Centre has two ambulances. This Centre provides transportation facilities to the University patients. These ambulances also take dead bodies to their native towns for funeral ceremonies.

On the request of the Chief Medical Officer, the Jinnah Hospital Lahore has started to provide out door Diagnostic facilities to the University patients. Shaukat Khanam Memorial Cancer Hospital and Mid-City (Cardex) Centre are already providing diagnostic facilities to the University patients. Few more Centers have been included this year to facilitate our patients.

Orthopedic and Rehabilitation Clinic has started functioning on 24th July, 2017, under the supervision of Prof. Dr. Syed M. Awais and is providing services to our orthopedic patients, every Monday and Friday from 10:00 a.m to 11:00 a.m.

A committee has been working for up gradation of Laboratory at Punjab University Teaching Hospital. Under the patron ship of Worthy Vice-Chancellor and Dean, Faculty Health Sciences ward and fully equipped Operation Theater establishment is in progress.

After approval of the Syndicate, the Health Centre started to provide medical cover to the **'parents'** residing with the employees and wholly dependent on them.

Student Counseling & Assessment Services Centre was established in 2009 as joint venture of Punjab University Teaching Hospital and Institute of Applied Psychology University of the Punjab. The counseling services are offered to the bona fide students of Punjab University by trained clinical psychologists, especially for stress reduction. In severe cases psychiatric help is also sought from psychiatrist at Health Center or referral to other hospital. The number of students availed Counseling Services was around 600 in 2017.



Chapter

16

**FACILITIES OF THE UNIVERSITY
&
IMPROVEMENTS**

**CHAPTER****16****Facilities of the University & Improvements****Facilities of the University & Improvements****HUMAN RESOURCE BRANCH**

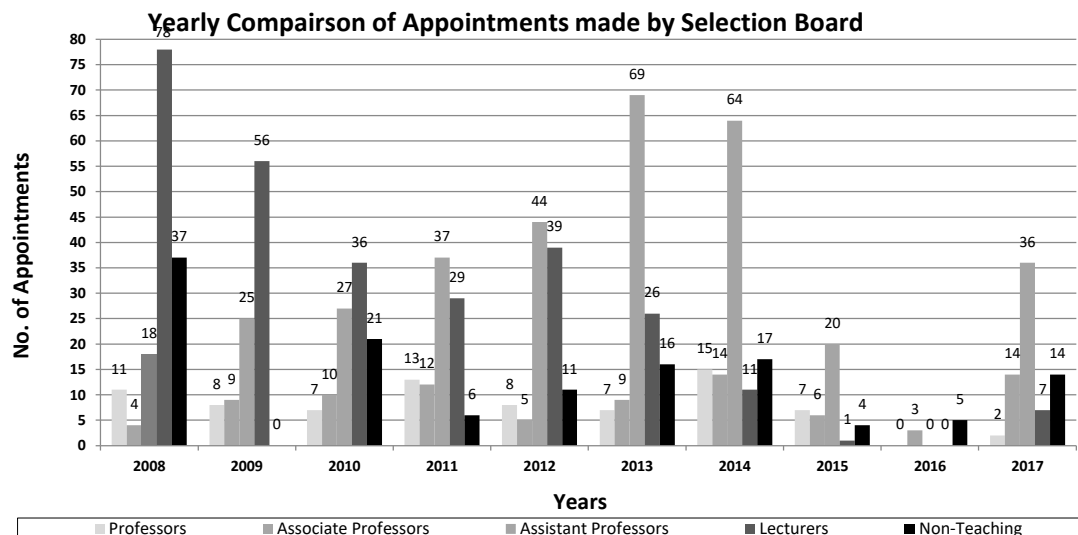
Human Resources Branch was established in October 2008 in order to streamline the appointment procedure of teaching faculty/administrative staff. Following are major functions of the Branch:-

- Publishing of advertisements
- Receiving/processing applications
- Conduction the Selection Boards
- Issuance of appointment orders

Till to time, 24 advertisements for appointment of teaching faculty and administrative posts (BS-17 & above) have been floated in the print media. Against these advertisements, 18992 applications were received, which were scrutinized, processed and then forwarded to the concerned Deans for determination of eligibility.

After getting their eligibility by the concerned Deans/Officers, the office prepares their Assessment Sheets based on their academic qualification marks and short list the candidates. In case of the appointments of Professor/Associate Professors, office contact with the foreign/local subject experts for getting their expert opinion. And when the cases ready to place before the Selection Board, the eligible and short listed candidates are issued call letters for interview, after getting approval from the authorities.

Since the creation of the Branch, 190 meetings of the Selection Board have been conducted and the breakup of the appointments made in these meetings is as under:-



AFFILIATION BRANCH

Affiliation Branch of the University of the Punjab deals with the affairs related to grant of affiliation, extension in affiliation, addition in affiliation, de-affiliation etc. of the Public and Private colleges for various degrees/disciplines.

The work of Affiliation Branch includes receipt of applications from the colleges (Public or Private), scrutiny of these applications, planning and arrangement of visit of Affiliation Committee to these colleges, preparation of proceeding of visits of Affiliation Committee and then issuance of orders to the colleges after formal approval by the competent authority.

A brief summary of tasks carried out by the Affiliation Branch during the Period, 2016-2017 is outlined in the tabular form below:

Sr. No	Task	2016-2017
1.	Total colleges visited	510
2.	Fresh affiliation granted	126
3.	Addition/Extension/Increase in intake granted	493
4.	De-affiliation/ withdrawal of affiliation/ suspension of affiliation	20

DEPARTMENT OF EXAMINATIONS

The Department of Examinations is a major earning Department of University of the Punjab. The whole system of Examinations is computerized. More than 305 Examinations are conducted every year with strength of about 0.5 million students. The detail of achievement is as under:-

***Controller's Personal Section***

The nature of work of this section is quite sensitive and multi-dimensional. 22778 letters complains were entered in the Diary Register and were disposed off accordingly. E-mail accounts were handled. 6053 documents were attested for HEC. Arrangement of Monitoring of Examinations Centers of B.A / B.Sc, M.A / M.Sc, B.Ed Commerce Law etc were made. Monitoring team of University Teachers were constituted and daily visit programme of Examination Centers for those teams were prepared / checked out. Advances for fuel and toll tax etc for monitoring cars were drawn and their adjustments deposited. Bills of monitoring teams were also processed in this section. Enquiries were dealt through telephonic calls, fax machine and also through Open door policy. Schedules of meeting were announced. Thousands of degrees and other necessary documents were signed by the Controller of Examinations and Addl. Controller of Examinations as well. Daily dak and public inquiries relating to Exams, results and degrees problems are also dealt within the personal section. 500 T.A / D.A. bills of Resident Inspector, Monitoring teams of various Examinations were processed. 300 PhD thesis were received for evaluation. 100 letters and reminders were dispatched to M.S., M.D. & M.D.S thesis Examination. 12 M.S. cases sent to Secrecy Branch after completion. 4000 letters were dispatched to the Resident Inspector & Monitoring Team. 1200 Police Administration letters were issued. 42488 degrees were signed by the Controller of Examinations. 150 thesis were sent to HEC for record. 500 remuneration bills of Ph.D thesis to Examinations evaluation were processed.

Server Room and General Section

Troubleshooting of equipment, 2000 to 2200 queries were dealt as of installation of windows, Software and hardware. The networking has been completed in Facilitation Center. The maintenance of Generator for server room has been done as and when required at various times in this period. The vendors were contacted in time for claiming warranties and repair. The management of production Printers has also been done timely.

This section also dealt a lot of matter to staff working under Controller of Examinations i.e. processing of all type of leave cases, joining reports, reliving reports, processing of Bills of staff and vendors, Some matters of Convocations, arrangements of local purchase committee meetings, 5 meetings were conducting during this period. Receiving of all kinds of stationary items from the Main Store at various times, this practice repeated and got received by the sections concerned, other materials which are purchase from the local market through vendors be reserved many times for maintain little stocks for emergency use. Preparation of all kinds of reports as and when required, all matters relating to engineering branch, receiving of blank result cards from the Press after proper counting by the deputed person. In short, this section provides technical and non-technical support to all the sections working under Controller of Examinations.



Conduct Branch

Conduct Branch of Department of Examinations is assigned with the major task of carrying out all those steps which are involved in the conduct of any exam, local or abroad. It starts the process of any exam from the scratch and works earnestly until the exam is terminated successfully. The Conduct Branch is to make arrangements for the conduct of more than 700 Exams (Theory + Practical) in a year. The working of the Branch is being summarized as under.

Sr	Period	Theory Exams	Practical Exams	Written Centres	Practical Centres	Q/Paper Packets	DI's	Supts	Adl. Supts	Invig	Ans. Books Theory	Ans. Books Practical	Foreign Exams
1	01 st October 2016 to 30 th September 2017	450	246	1938	835	85000	627	1938	1938	7752	1,961,351	200,000	88

Secrecy Branch

B.A./B.Sc. Script Section

B.A/B.Sc. (Composite) Supplementary Examination 2016 was held in October/November 2016 at 26 local and 71 mofussil Examination centers. The Secrecy branch collected sealed packets of answer books attempted by the candidates who appeared in different local center. Sealed packets from mofussil centers were received through University vans from the branches of Habib Bank Ltd. Paper wise entry of each packet was made. The packets were processed as per secrecy code and then sealed packets were dispatched through the University vans and by registered post. The practical examination also held in different centers of all science subjects. Entry of each packets of practical was made alongwith counterfoils. The office maintained progress reports of all examiners and send reminders through post and also contacted on telephone where required. Marked packet from examiners were handed over to related Chief Secrecy Officer's for Re-checking. Chief Secrecy officer staff re-checked all scripts and a lot number of handmade awards were prepared, section checked, sign, and returned to Chief Secrecy Officers and then all awards lists entered in registers and handed over to computer section. Complete of all result (theory and practical) each roll numbers are scrutinized. The result of supplementary 2016 composite was declared on 20.01.2017. Meanwhile, the processed of B.A/B.Sc. Part-I, Annual Examination 2016. All above mentioned process was completed and result declared on 29.12.2016.



The B.A./B.Sc. Part-I, Part-II and Composite Annual Examination 2017 held in April/May 2017 at Part-I 378 centers, Part-II 253 centers and Composite at 201 Centers. Sealed Packets from local centers were received on the same date and each packet was entered in the register. Mofussil centers were collected through University vans from the branches of Habib Bank, paper wise entry of each packet was made, the packets were processed as per Secrecy code and then sealed packets were dispatched through the University vans and by registered post. The practical examination of B.Sc. Part-I, Part-II and Composite held at 700 centers in different science subjects. Entry of each packets of practical was made alongwith counterfoils. The office maintained progress reports of all examiners and send reminders through post and also contacted on telephone where required. Received marked packets from examiners were handed over to related Chief Secrecy Officers for Re-checking. Chief Secrecy Officers staff re-checked all scripts and a lot number of handmade awards were prepared, section checked, signed and return to Chief Secrecy Officers. After Chief Secrecy Officers signature all awards entered in register and send to computer section. Complete of all result (Theory & Practical) each roll number was scrutinized, and result was declared on 07.09.2017. The number of R.L case were cleared within a very short period. The practical has lot of problems due to three examinations held at same dates and also conducted same examiners. Beside these major Annual and Supplementary Examination, special examinations were also held and their results were also declared without any delay.

M.A./M.Sc. Section

The results of M.A./M.Sc. Part-I and Part-II Annual Examination 2016 in all subjects have been declared and 1800 R.L. cases were also cleared in a very short period. M.A./M.Sc. Part-I Annual Examination 2017 in 33 different subjects at 190 local and mofussil examination centres was conducted in the month of July 2017. Furthermore, M.A./M.Sc. Part-II in 33 different subjects was also conducted at 161 local and mofussil examination centres in the month of June 2017. Eighteen Special Examinations (Urdu, Political Science, Economies, Persian, English & History etc.) of M.A. Annual Examinations 2016 & Supply 2015 were held in Kuwait, U.K., K.S.A, Canada, Germany, U.S.A., Qatar, Sharjah, Jeddah, Madina, Norway, Portugal, Taif and (U.A.E). Their results have been declared.

Professional Section

About 110 Professional Examinations of different diplomas, certificates, etc., in the fields of Medical, Engineering, Commerce, Home Economics, Dentistry, Pharmacy, B.S. 4 Years Program, M.Com, M.B.A. etc. were held during October 2016 to September 2017. In addition to these examinations B.Ed., B.S.Ed. (1st, 2nd & 3rd Prof.), Diploma in Physical Education, M.Ed. Elementary / Secondary/General, M.Ed. visual impairment were also conducted in October, 2016 and February, March 2017 and their results have been declared. Scripts were received from examination centres, processed and were dispatched to examiners for marking. Marked scripts were kept in the section. About 10620 R.L. and R.F.C. cases and 105 different other cases pertaining to above mentioned examinations and about 540 Re-checking cases were settled during this period.



B.Com. & Law Scripts Section

It is pointed out that central marking of B.Com. Part-I and B.Com. Part-II Supplementary 2016 & B.Com. Part-I & II Annual Examination 2017 was conducted in the new building of Admin Block, University of the Punjab, Lahore. The results of B.Com Part-I and Part-II Supplementary Examination 2016 and B. Com Part I, and II Annual Examination 2017 have been declared well in time. Central marking of LLB Part-I,II&III Supplementary Examination 2016 and LLB Part I,II &III Annual Examination 2017 was also conducted in the new building of Admin Block, University Lahore. B.Com Part-I supplementary 2016, 08 R.L. Cases R.F.C 792 & 39 Re-checking case. B.Com Part-II supplementary 2016 09 R.L. Cases R.F.C. 661 & 110 Re-checking cases. LLB Part-I,II& III supplementary 2016 11 R.L. Cases R.F.C. 18 & 120 Re-checking cases. B.Com Part I Annual 2017 100 R.L Cases. R.F.C 5772 & 79 Re.-checking cases. B.Com Part II Annual 2017. 54 R.L Cases R.F.C 3168 & 116 Re-checking cases. LLB Part I, II, & III and LL.B. 5-year Annual 2017 36 RL. Cases R.F.C 4213 & 222 Re-checking cases.

Dispatch and Receipt Section

This section received sealed packets of answer books of all University Examinations from the local centres and handed over to the concerned sections soon after the receiving of packets. The dispatch of mail of Secrecy and dispatch of answer book's packet to the examiners is responsibility of this Section. Received packets of answer books and all mail were also forwarded to the concerned sections on daily basis. In addition to above this section also collects packets of answer books from Railway Station which are delivered by the examiners of mofussil stations.

Re-Checking Section

Detail of Re-checking cases received and processed during the period from October 2016 to September 2017 is given below: -

B.A./B.Sc. cases:	1313
M.A./M.Sc. & Professional	<u>1186</u>
Total:	2499

All the cases have been disposed off.

Secrecy Section-II & III

This section is dealt with the most sensitive and confidential nature of work of the Department of Examinations, University of the Punjab. The examiners are provided by the Conveners of various subjects or disciplines. The lists of examiners and paper setters got approved from Worthy Vice-Chancellor before sending appointment letters to examiners concerned. The appointments of Paper Setters, head, sub and Practical Examiners for all the theory and practical examinations local and abroad are made by this section. Substitutes are also provided by the conveners in case of refusal from the examiners or paper setters of any discipline. The question



papers of all the examinations got set from the paper setters for written and practical contingent bills of paper setters/examiners are sent to the Accounts Branch duly recommended by the Controller of Examinations for payment to the examiners. Central marking of following examinations is also deal with i.e. M.B.A. B.B.A. B.com Part-I, II LL.B. Part-I, II III, M.B.B.S. all Professionals, B.S. 4 Years Semesters, I, II, III, IV, V, VI, VII, VIII, B.S. 2Years Associate Degree Semester, I, II, III, IV (Containing 820 subjects). During the period 1st October, 2016 to September 2017, 24012 examiners and 6500 paper setters were appointed to fulfill above mentioned tasks.

Anti Unfairmeans Section

During the period from 1st October 2016 to 30th September 2017, **(1185)** unfair means cases in B.A/B.Sc., M.A / M.Sc. and **(470)** cases in all other examinations were registered. All the cases were finalized before the declaration of result.

External & Computer Degree Section

(Progress report from 1st July 2016 to 30th June 2017)

Detail		No. of Degrees
1.	B.A (Small Degree)	658
	B.A (Large Degree)	10030
2.	B.Sc (Small Degree)	185
	B.Sc (Large Degree)	3733
	M.A (Small Degree)	186
3.	M.A (Large Degree)	3831
	M.Sc (Small Degree)	20
4.	M.Sc. (Large Degree)	1063
5.	B.Com. (Small Degree)	293
	B.Com (Large Degree)	5371
	LL.B (Small Degree)	93
6.	LL.B (Large Degree)	859
	Manual / Professional Degrees (Old Pattern)	412
7.	Manual / Professional Degrees (New Pattern)	11862
	DMC	3892
Total Degrees		42488

(Progress report from 1st July 2017 to 31th Dec 2017)

Detail		No. of Degrees
1.	B.A (Small Degree)	318
	B.A (Large Degree)	3112
2.	B.Sc (Small Degree)	100
	B.Sc (Large Degree)	2661
	M.A (Small Degree)	75
3.	M.A (Large Degree)	1617
	M.Sc (Small Degree)	13



4.	M.Sc. (Large Degree)	636
5.	B.Com. (Small Degree)	134
	B.Com (Large Degree)	4941
	LL.B (Small Degree)	45
6.	LL.B (Large Degree)	997
	Manual / Professional Degrees (Old Pattern)	298
7.	Manual / Professional Degrees (New Pattern)	6012
	DMC	860
Total Degrees		

B.A/B.Sc Hall / B.A/B.Sc (Computer)

This section dealt with the commencement & declaration of results of B.A./B.Sc. Supplementary Examination 2015, Annual Examination 2016, Supplementary Examination 2016 & Annual Examination

Session	Appeared Candidates in Examination		
	Composite	Part-I	Part-II
S/2016	29379	-	-
A/2017	20469	134768	76240

Total Candidates appeared for the Year (2016-17) is 260856

The declarations of results were made within stipulated time successfully.

BA/BS.c Section (Computer Inquiry)

This section dealt with the complaints of the candidates relating B.A/B.Sc. examinations total 4769 cases of B.A/B.Sc Composite & B.A/B.Sc. Part-I & Part-II were received and processed.

B.Com & LLB Computer/Tabulation Section)

The results of B.Com (Part-I, Part-II) & LLB (Part-I, Part-II & Part-III) Annual Examinations 2016-2017 were declared. Result Cards were dispatched accordingly. RL Cases were resolved with in short period of time. The number of candidates appearing in Annual & Supplementary examinations for B.Com (Part-I, Part-II) & LLB (Part-I, Part-II & Part-III) are as follows:

For B.Com

B.Com. Part-I: 41871

B.Com Part-II: 38704

For LL.B:

LL.B. Part-I: 14965

LL.B. Part-II: 15529

LL.B. Part-III: 4568



M.A. / M.Sc. (Computer Section / Tabulation Section)

The M.A. /M.Sc. Part-I & Part-II Annual Examinations 2016 were held in June/July 2016 and results were declared in Nov & Dec 2016. Result Cards were dispatched accordingly. 55810 candidates appeared in Part-I and 42534 candidates appeared in Part-II Annual Examination 2016. R.L. Cases were also cleared within very short period of time. The M.A. /M.Sc. Part-I & Part-II Supplementary Examinations 2016 were held in February/March 2017 and results were declared in May 2017. Result Cards were dispatched accordingly. 8718 candidates appeared in Part-I and 10944 candidates appeared in Part-II Supplementary Examination 2016. R.L. Cases were also cleared within very short period of time. The M.A. /M.Sc. Part-I & Part-II Annual Examinations 2017 were held in June/July 2017 and results were declared in Nov & Dec 2017. Result Cards were dispatched accordingly. 59699 candidates appeared in Part-I and 40604 candidates appeared in Part-II Annual Examination 2017. R.L. Cases were also cleared within very short period of time.

Form Section

This section deals with the work relating to the printing, issuing and processing of the Admission Forms of all the examinations, which are conducted by the University.

This Section performed following work pertaining to the Admission Forms during the period 2016-17.

1. 287500 Admission Forms of various examinations were got prepared by the University Press.
2. Admission Forms were handed over to the college concerned, according to their demands.
3. Admission Forms of different Examinations were issued to the candidates by hand free of cost.
4. About 489500 Admission Forms of different examinations were received from the candidates individually, by hand, by post and from the colleges.
5. After checking, the Admissions Forms were entered in the relevant registers to maintain proper record and thereafter arranged category-wise.
6. After having affixed serial number on the Admission Forms of each examination, these were delivered to the Sections Concerned/Computer Section according to the Schedule.
7. Incomplete Admission Forms of the candidates of each examination which are received by post were returned to them.

The Admission Forms which were received after due date, being time barred, were rejected and returned to the candidates by registered post and proper record was maintained.

Litigation Cell

This section dealt with 143 Writ Petitions/Appeals/Civil Suits/Civil Appeals/Civil Org/I.C.A. & C.P.L.A., which were filed against the University of the Punjab and were defended in the Civil District Courts/High Courts/Supreme Courts of Pakistan during the period till 30-09-2017. 112 Writ Petitions have been decided and the remaining is still pending in the above-mentioned Courts of Law. Similarly, 101 Complaints were received from the office of the Provincial Ombudsman out of which 93 cases have been decided and the decision of remaining complaints are still awaited from the Provincial Ombudsman.

***Award Section***

The Awards Section of the Examinations Department deals with the important and confidential work relating to the processing of Award Lists of all the Examinations, which are being conducted by the Punjab University.

Moreover, letter and reminders were sent to the Examiners concerned who did not send the Award Lists in time and discrepancies were also got removed from the Examiners concerned by getting themselves informed through letters/reminders and by telephonic conversation as well. The Result Positions of all the Examinations were prepared for submitting to the authorities as and when required. Thus, all Results were declared in time.

Inquiry Section M.A/M.Sc and Main Diary

This section dealt with the complaints of the candidates relating to different Examinations. 5620 Cases were received by hand which were processed accordingly. 9008 inquiries letters were registered in Dak Register (by post).

1719 cases of M.A/M.Sc. were received and processed; only 5 cases are under process up till now. 3646 cases of B.Com/LLB. Were received and processed, 11 cases are under process. Thousands of duplicate roll number slip was also issued to the candidates through this section.

B.Ed /Professional (Computer Section)

This section dealt with the results of all the Professional Computerized examinations. During the stipulated period 2016-2017, 79 different examinations were conducted for 11577 candidates.

Total 77 results were declared in 2016-2017, 10078 candidates were declared pass.

BS Computer Section

This section dealt with the results of Annual/Semester system examinations. During the stipulated period 2016-2017, 35 different examinations were conducted for 16114 candidates.

Total 34 results were declared in 2016-2017, 20003 out of 21176 candidates were declared pass.

Professional Hall

It is submitted that this section deals with all the Professional Examinations running under semester and annual system. 140 results of Undergraduate programs and 4665 candidates were appeared. 117 results of Master Degree programs and 3678 candidates were appeared, 97 results of MS/M.Phil. and 1606 candidates were appeared. The results of 20 Postgraduate diplomas were declared during the period. Besides, results declared under Annual System of Examination include, BS Applied Geology, B.Ed. Special Needs, B.Sc. MLT (Hons) and B.Sc. Nursing.

Furthermore, this section also made arrangements for conduct of 126th Annual Convocation (Phase-I), wherein 598 candidates were invited and office also got prepared medals from Pakistan Mint to be awarded to the top students i.e. 148 candidates from various disciplines.



DEPARTMENT OF PRESS & PUBLICATIONS

Telephone (s): 99232160, 35952970

E-Mail Address (s): puppress@gmail.com

Academic Achievements

Several workshops were arranged for the students of College of Arts & Design for their practical requirements and knowledge regarding Pre-press, Printing material & Graphic Arts. Research and Development.

The Department of Press & Publications is striving to provide quality printing and publication services to the University of the Punjab at subsidized rates. However, due to this cost reduction in Press services the workload of the Department of Press & Publications has increased considerably. All types of printing material concerning the Secrecy & Conduct Branch like Answer Books, Continuation Sheets, Practical Answer Books for (B.A./B.Sc., M.A./M.Sc.) exams, different Admission Forms, syllabus and material about professional examinations were printed here. The most important task of Press is the printing of examination materials for conducting the exams well in time and providing all the regarding materials for about 300,000 students. The Department of Press & Publications has also been assigned the printing of confidential document i.e. Degrees, Certificates, Result Cards, Result Sheets and Registers of various kinds.

Publications/ Printings

The Department of Press & Publications has under taken the jobs during the year October 2016 to September 2017 are as following.

Sr. #	Departments	Description	Numbers
1	Controller of Examination Work Order No. 2911, 2913, 2946, 2949, 2948, Department of Mathematics, Institute of Microbiology & Molecular Genetics, Institute of Social & Cultural Studies, Institute of Communication Studies, Centre for Undergraduate Studies, Institute of Education Research, Hailey College of Commerce, Polymer Engg. & Tech., IQTM, HCBF, Bio Chemistry Bio Tech, Chemical Engineering, Law College, Botany, Jhelum Campus, Engineering & Emerging Technology, Political Science, Molecular Biology, Philosophy, Physics, Chemistry, IAS, Zoolgy, HCBF, Gujranwala Campus, Information Management	Answer Books/ Practical Books	390,220



2	Hailey College of Banking & Finance, Centre for Undergraduate Studies, Hailey College of Commerce, Bio Chemistry Bio Tech, Botany, Engineering & Emerging Technology, IBA, Law, Zoology	Extra Book	146,000
3	Controller of Examination Work Order No. 2885, 2886, 2887, 2888, 2889, 2890, 2899, Institute of Communication Studies, Faculty of Eng. & Tech, .Applied Molecular, Biology, Student Affairs, Skill Development Centre, Confucius Institute, IAS, Chemistry, English, History and Pakistan Study, PUCIT	Degree / Diploma/ Certificates/ Transcripts	72,580
4	Controller of Examination	Result Cards	100000
5	UMC section, Farm Section , Treasurer office, Resident Officer – I, Controller of Examination Work Order No.2897, 2884, 2896, 2902, 2915, 2926, 2929, 2931, 2933, 2933, 2945, 2945, 2950, , 2960, 2967, 2968, 2974, Hailey College of Banking & Finance, University Law College, IER, Hall Council, IBA, IQTM, Director Sports, Jhelum Campus	Admission Forms/ All types of forms	949,240
6	Academic Branch Work Order No. 2891, 2905, 2912, 2914, 2921, 2927, 2931, 2951, 2956, Controller Examination, PU Model High School	Title/ Agenda/ Gazette/ Progress Report	1,875
7	Directorate of Student Affairs, University Law College, Department of Mathematics, IER, School of Biological Science, HCBF, IBA, Botany, IAS, Space Science, Urdu, Political Science, MMG, HCC, Chemical Engineering, Economics, Information Management, Clinical Psychology, Sports Science, Gujranwala Campus, Applied Psychology, Special Education, Hall Council, Chemistry, English, Jhelum Campus, Art and Design, Special Education, Coal Technology, GC Women University Sialkot, Faculty of Eng. & Tech, Solid State Physics, Integrated Mountain Research, Zoology, Urdu., Geology, Pharmacy, Physics, CHEP, Archaeology, Economics	Prospectuses	89,100



8	Various Officers/ Teaching Staff of Punjab University	Visiting Cards	22,950
9	Centre for Clinical Psychology, Institute of Communication Studies, Faculty of Islamic Studies, Department of Philosophy, Centre for Applied Psychology, Institute of Education Research, Department of Economics Oriental Learning, Faculty of Eng. & Tech. Geography, South Asian Studies, Punjabi, English, Mathematics, Clinical Psychology, History & Pakistan Studies, South Asian Studies, Political Science, Arabic, Information Management, CSAS, Statistical and Actuarial Science, SZIC, Faculty of Engineering and Technology, Research Society of Pakistan, History & Pakistan Studies, IAS Applied Psychology, South Asian Studies	Journals	11,185
10	Main Library, C/o Vice Chancellor, Pakistan Study Centre, Punjabi, c/o Shahida Manssor, Urdu Development, Committee, English, Rumi Chair, ISCS, Urdu Development Committee, Research Society of Pakistan, SZIC, Zoology	Books	10,250
11	Health Centre, Registrar office, Vice Chancellor office, Controller of Examinations Work Order No. 2906, 2909, 2910, 2910, 2942, 2970, Institute of Education Research, C/o Madam Sumera Jawad CAD, Centre for High Energy, Physics, Islamic Studies, Quality Enhancement Cell, Geology, Pharmacy, Hujvari Chair, Shaikh Zayed Islamic Centre	Envelopes	113,250
12	C/o Shabbir Sarwar ICS, IBA, Pharmacy, English, HCC, HCBF	News Letters	4,750
13	Resident Officer I, Registrar office, College of Pharmacy	Posters, Stickers & Hall map	7,900



14	Controller of Examinations Work Order No. 2928, 2952, Academic Branch Work Order No. 2931, Institute of Chemical Engineering & Technology, C/o Madam Sumera Jawad CAD, Department of French, C/o Abdullah Machine man, ASA, Student Affairs, IER, Art and Design IQTM, Chairman Hall Council, History and Pakistan Study, Career Consulting & Placement Cell, Chemical Engineering & Tech, Chemical Eng., Institute of Administrative Science, ORIC, PU Model High School, Faculty of Life Sciences, Pharmacy, Clinical Psychology, Applied Psychology, Philosophy, Punjabi	Brochures, Pamphlet & booklet	18,400
16	IER	Registration Cards	10,000
17	Controller of Examinations Work Order No. 2918, 2883, 2919, Treasurer office work order No. 2923, Student Affairs, Girls Hostel #1q, C/o Shahid Ahmad Javaid, University Executive Club, c/o Shahid Ahmed Javed, IAS, The University Club, MMG, Conduct Branch (Qamar), University Club, Applied Molecule Biology	Receipts, Bill book, Slips, Ballot Paper, Ticket	74,415
18	Treasurer office Work Order No. 2922, 2923, Boys Hostel 1	Registers for various kinds	1229
19	Vice Chancellor Office, Controller of Examinations Work Order No. 2892, 2892, 2907, 2925, 2944, 2964, Gujranwala Campus, C/o Shahid Ahmad Javaid, Hailey College of Banking & Finance, Polymer Engineering & Technology, Polymer Engineering & Technology, College of Pharmacy, Institute of Biochemistry & Biotechnology, Centre for High Energy Physics, Hall Council, Academic Staff Association, External Linkages, Hailey College of Banking & Finance, ORIC, Department of Political Science, c/o Nafees Usmani, Zoology, Geography, DPCC, Hall Council, Space Science, Applied Molecular Biology, Statistical and Actuarial Science, Skill Development Centre, Chemical Engineering, Medical College, Information Management, Earth and Environmental Science, HCC, External	Letter Pads	121,640



	Linkages, Hujvari Chair, Boys Hostel No. 3, Hazrat Khalid Bin Waleed Hall, Boys Hostel No. 2, Zoology, Chemical Engineering, Geology,		
20	Vice Chancellor office	Programs Cards	2,000
21	Registrar office Work Order No.2895, 2917, 2919, 2924, 2944, 2967, 2969, Academic Staff Association, College of Art & Design, Gujranwala Campus, Institute of Chemistry, PU Model High School, Coal Technology, Applied Molecular Biology, Pharmacy, IBA, English, Chief Librarian, Information Management, Faculty of Oriental Learning, Hall Council, IER, Biochemistry & Biotechnology	File Covers	73,600
22	Registrar office, College of Pharmacy, Vice Chancellor office	Convocation Cards, Season cards	4,400
23	Controller of Examination Work Order No.2899, Institute of Communication Studies, Faculty of Eng. & Tech, Applied Molecular Biology, Student Affairs, Skill Development Centre, Confucius Institute, IAS, Chemistry, English, History and Pakistan Study	Certificates	12,560
24	Oriental College Library, Work Order No. 2923	Date Slips, Prescription Slips	55,000
25	IER, Biochemistry & Biotechnology, Girls Hostel #1q, C/o Shahid Ahmad Javaid, University Executive Club, IAS, MMG, Conduct Branch (Qamar), Applied Molecular, Biology, Work Order No.2883, 2918	Class Cards, Library Cards & Book Pockets	72,405
26	Vice Chancellor Office	Executive Diaries, Small Diary, Day Planner, Bags	10,000
27	Registrar office, CPEC Study Group, Work Order No., Work Order No.2893, Sports for Women, Sports for Women, Student Affairs, Sports Science, Philosophy, Pharmacy, PUEHS, History and Pakistan Study	Invitation Cards	9,820



29	Vice Chancellor Office, Work Order No. 2930, C/o Elvin Enayatq	Wall calendar, Pocket calendar, University Calendar, Ramzan Calendar	9,500
30	Oriental College, ICS, Pharmacy, Oriental College	Magazine	5,375
31	History and Pakistan Study, Solid State Physics	Abstracts	300

Our Mission is to disseminate knowledge and creative work in all of its forms through scientific and intellectual publishing at affordable price.

DEPARTMENT OF PUBLIC RELATIONS

The year 2016-17 was another year full of challenges, which the university had never faced before. The details of main activities of the PU PR Department during the year 2016-17, are given, as under:

Press Conferences

Successful press conferences on every critical issue were arranged to make the PU a resounding success.

Columns / Articles / Features

For presenting positive image of Punjab University in print media, many columns, columns, articles and features were published. The department also hosted several luncheons and dinners and celebrated evenings with renowned senior journalists.

Press Releases

The day-to-day press coverage of the university events were published daily in national Press. PU gained maximum space in national Press. Over 634 press releases with pictures were published in newspapers this year. The department also highlighted the research work and achievements of university scholars. The department also took up the task of coverage of our co-curricular and sports events.

PU Advertisements

PU's Public Relations Department is one of the only government departments who have maintained good relationship with Director General Public Relations' office. The publication process of our tender, vacancy and special advertisements had been smooth.

Contradictions/Clarifications

Sometimes newspapers/TV channels publish/broadcast incorrect news item based on misinformation. In such cases, the PR department managed broadcast of true picture of the story for keeping the record straight.

Future Development Plans

Establishment of video monitoring and video editing unit.



DIRECTORATE OF EXTERNAL LINKAGES

Collaborations have been established with China (4), Turkey (4), Iran (2), and one each with Dubai, Gambia, Italy, Netherlands and Community World Service Asia international universities/institutions during the calendar starting from 1st October 2016 to 30th September 2017). In addition, a total of ten (10) MoUs have also been signed with national universities/institutions in a variety of disciplines.

1. Mous National/International

1.1) MOUs Signed between PU & International Institutions

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab Lahore	University of the Gambia	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>University of the Gambia</u> Prof. Dr. Faqir M. Anjum Chudhry Vice Chancellor	16 Sept., 2017
2	University of the Punjab Lahore	Nanjing University, China	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Nanjing University, China</u> Prof. Dr. Zhu Qingbao, Vice President	12 Sept., 2017
3	University of the Punjab Lahore	Imam Khomeini International University, Iran	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Imam Khomeini International University</u> Dr. Rohullah Bayat, VC	03 August, 2017
4	University of the Punjab Lahore	Professionals & Accountancy Centre, Dubai	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Professionals & Accountancy Centre</u> Mr. Jamil Qureshi, Chairman	03 August, 2017



5	Institute of Communication Studies, University of the Punjab	Liaoning Communication University, China	<u>University of the Punjab</u> Prof. Dr. Zakria Zakar, Acting Director, Institute of Communication Studies/Dean, Faculty of Behavioral & Social Sciences <u>Liaoning Communication University</u> Prof. Xu Ying, Vice President	27 July, 2017
6	University of the Punjab Lahore.	PUM The Netherland Senior Experts	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Frans Friedeman</u> Country Coordinator Afghanistan, Pakistan. PUM-The Netherlands	16 May, 2017
7	Pakistan Study Centre, University of the Punjab	Ce.S.I.- Center for International Studies Rome, Italy.	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Ce.S.I.-Center for International Studies</u> Prof. Andrea Margelletti	27 April, 2017
8	University of the Punjab Lahore.	Jiangsu Normal University, China	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Jiangsu Normal university, China</u> Prof. Dr. Cen hong, Vice Chairman	17 April, 2017
9	University of the Punjab Lahore.	Imam Khomeini International University, Qazvin, Iran	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Imam Khomeini International University</u> Associate Prof. Seyed Abol-Hassan naeini President, Imam Khomeini	4 April, 2017
10	University of the Punjab Lahore.	Fatih Sultan Mehmet Vakif University in Istanbul, Turkey	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Fatih Sultan Mehmet Vakif University</u> Prof. Dr. Musa Duman, President	1 Feb., 2017



11	University of the Punjab Lahore.	Istanbul University, Turkey	<u>University of the Punjab</u> Prof. Dr. Zaffar Mueen Nasar, VC <u>Istanbul University</u> Prof. Dr. Mahmut AK, Rector	31 Jan., 2017
12	University of the Punjab Lahore.	Istanbul Sehir University, Istanbul, Turkey.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Istanbul Sehir University</u> Prof. Dr. Cengiz Kallek, Rector	01 Dec., 2016
13	Confucius Institute, University of the Punjab, Lahore.	Chinese Testing International Co. Ltd.	<u>Confucius Institute at University of the Punjab, Lahore.</u> Dr. Maria Isabel Maldonado, Director Confucius Institute & Prof. Liu Chensheng, Chinese Director, PU <u>Chinese Testing International Co. Ltd.</u> Representative of CTI	29 Oct., 2016
14	University of the Punjab Lahore.	Izmir University of Economics/Izmir-turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Izmir University of Economics</u> Prof. Dr. Fatima Naciye Can Simga Mugan	22 Nov., 2016
15	Department of Social Work University of the Punjab Lahore.	Community World Service Asia	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Community World Service Asia</u> Mr. Farrukh Marvin Parvez Regional representative	Oct. 21, 2016

1.2) Mous Signed Between Pu & National Institutions

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab, Lahore.	Punjab Commission on the Status of Women (PCSW)	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Punjab Commission on the Status of Women</u> Ms. Fauzia Viqar	29 Sept., 2017



2	University of the Punjab, Lahore.	King Edward Medical University, Lahore	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>King Edward Medical University</u> Prof. Dr. Kazi Muhammad Saeed, VC	Sept. 21, 2017
3	University of the Punjab, Lahore.	Lahore Press Club, Lahore	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Lahore Press Club</u> Muhammad Shahbaz Mian, President	Sept. 14, 2017
4	University of the Punjab, Lahore.	Pakistan Standards and Quality Control Authority (PSQCA)	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>PSQCA</u> Muhammad Khalid Siddiq, Director General	Aug 22, 2017
5	Jehlum Campus, University of the Punjab, Lahore.	Youth Affairs, Sports, Archaeology & Tourism (YASA&T) and Punjab Information Technology Board (PITB)	a. <u>Punjab Information Technology Board</u> Dr. Umar Saif, Chairman b. <u>YASA&T</u> Mr. Nayyer Iqbal, Secretary Youth Affairs c. <u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC	July 14, 2017
6	Department of Information Management	Amal Academy	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Amal Academy</u> Benje Williams CEO	Jul 06, 2017
7	Faculty of Behavioral and Social Science	Punjab higher education commission	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Punjab Higher Education Commission</u> Prof. Dr. Muhammaad Nazimuddin	May 11, 2017
8	Dept. of Botany	Water and Sanitation Agency (WASA) Faisalabad Pakistan	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Wasa Faisalabad Pakistan</u> Syed Zahid Aziz, Managing Director	April, 10, 2017



9	Institute of Agricultural Sciences (IAGS)	Amanah Halal Research Centre (Amanah HRC)	<u>University of the Punjab</u> Prof. Dr. Zafar Moueen Nasar, VC <u>Amanah Halal Research Centre</u> Mr. Muhammad Ashfaq Chief Executive Officer	March, 29, 2017
10	University of the Punjab, Lahore.	AKHUWAT Khayaban-e-Jamia, Calan Bank Rd. Lahore.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Akhuwat</u> Dr. Amjad Saqib, chairman	Nov. 16, 2016

The Directorate also assists with visas for students for scholarships during their studies foreign as well as for those faculty members travelling abroad to pursue a PhD degree or for a conference.

INFORMATION TECHNOLOGY CENTRE

Network

Achievements & Expansion

New Extension Wi-Fi/ Wireless solutions

1. Sub Engineering Office Hostel Area.
2. Old Building of Mathematics Department.
3. College of Engineering and Engineering Technology.
4. Department of Zoology Networking Equipment.
5. Child Welfare Centre.
6. Gymnasium at New Campus.

New Extension in UTP Cable LAN

Following new extension in the UTP Cable network/computer Labs has been completed in the current year.

1. Boys Hostel No. 03.
2. Department of Political Science.
3. Treasurer Office Different Section in Admin Block.
4. Department of Zoology Networking Equipment.
5. Department of Islamic Studies.
6. Boys Hostel No. 18.
7. Sub Engineering Office Hostel Area.
8. Cluster Class Rooms for Social Sciences Department.
9. Old Building of Mathematics Department.



10. College of Engineering and Engineering Technology.
11. Revised Estimate of Old Building of Mathematics Department.
12. Department of French Language and Literature.
13. Child Welfare Centre.
14. Honey Bee Research Centre.
15. Shaikh Zaid Islamic Centre Hostel.
16. TA & DA Section.
17. School of Biological Sciences. Girls Hostel.
18. Girls Hostel No. 09.
19. Boys Hostel No. 08.
20. Department of Zoology.
21. RO-II Office.
22. New Building of Department of Clinical Psychology.
23. Items Required in Health Centre.
24. Gymnasium at New Campus.
25. Income Section Office.
26. Deputy Registrar –I Office.
27. Resident Officer-I.
28. Registration Branch.
29. Department of Zoology Library.
30. Boys Hostel No. 08.
31. Boys Hostel No. 02.
32. Khanaspur Campus.
33. Chief Engineer Office.

New Extension in FOC LAN

Equipment Main Library Building for HCC Uplink.

Software Development**Achievements & Expansion*****Maintenance/New Additions in Fee Management System (Fee Section - Accounts Branch)***

- Security Refund of Colleges
- Import feature for Form & Challans of Affiliated Colleges deposited for Registration.
- Import feature for Form & Challans of Private Candidates.
- Changes in Challan Inquiry Report.
- Changes in Not-Traced Form/Search/Procedure (Added Bank Statements Records in search).
- Changes in Access Control of users.

***Maintenance / New Additions in Payroll System for Salary Section***

Many new features were added in Payroll System for Salary Section of Punjab University. Some major changes were also made in the software along with minor changes, to facilitate the Salary Section staff.

Students Records Management (SRM)

Administration Panel (for IT Centre, DPCC):

- Manage Campuses
- Manage Faculties
- Manage Departments
- Manage Programs
- Open/Edit Admission Schedules (Admission Year + Fall/Spring)
- Students List with searching filters of Campus, Faculty, Department, Program, Students etc.
- Summary Report General (to show count of added students by Faculty, Degree Level, District wise & Campus wise.
- Summary Report by Program wise with Degree Level Filter.
- Summary Report by Department wise with Degree Level Filter.
- Generate Admission Letter student wise & in Bulk.
- Generate Student Identity Card student wise & in Bulk.
- Delete Student

SRM Portal for all PU Departments

- Add Student by choosing Program Bio-graphical, Educational info. Etc.
- Students list with searching filters
- Students Export in excel along with all entered fields and picture as well
- Final Submission & Generate Registration Return for desired program, to automate the registration process of admitted on-campus students.

Online Registration Portal

Administration Panel for Registration Branch Officials:

- Feeding Report (to show entered students and given intake limit for morning/evening respectively.
- Colleges Returns Report (to show list of colleges generated return) with search filters.
- Feature to Rollback for private applicants.
- Feature to Rollback Generated Challan & Registration Return for desired college.
- Manage Affiliated Colleges' users.
- Resolved several queries initiated by Registration branch, Private Candidates & Affiliated Colleges.

Online Admissions Portal

This module is currently under process and will go live in fall 2017.

**Administration Panel (for IT Centre):**

- Manage Campuses
- Manage Faculties
- Manage Departments
- Manage Programs
- Manage Banks
- Open/Edit Admission Schedules (Admission Year + Fall/Spring) with start & end date of admission.
- Assign Programs that are going to be offered to respective Admission Schedule.
- Applicants List with searching filters of Campus, Faculty, Department, Program, Students etc.

Admission Form for Applicants:

- Add Complete Profile
 - Personal Information
 - Educational Information
 - Experiences Information
 - Publication Information
- Do Final Submission
 - Finally apply for desired offered admission program by choosing program from given list one by one.
 - For each application challan is generated, deposit fee according to fee challan.
 - To finalize application submission “Generate Application” and then entering fee deposit date, bank & branch information.
 - Profile will be generated once but applicant can apply in as many as desired offered programs.

HEC EPORTAL (continued in 2017)

Information regarding current and previously offered degree programs by Punjab University was inserted into HEC Pakistan Qualification Register (PQR) database. This database is used for many tasks by HEC like degree attestation and scholarships etc.

Development of Payroll System for CEMB

Payroll System developed for Centre of Excellence in Molecular Biology It provides good and easy graphical user interface for the users. Following modules of the Payroll System have been developed:

- Management of Users that involves assigning Role-based permissions to users. New user roles can be added with distinct permissions.
- Management of Scales Chart and Posts. Both Scales and Posts are imported in the system when new financial budget is allocated.



- Management of Employees Data, and Employees' Salary Packages. System supports updating the Salary Package for a single employee as well as group of employees.
- Salary Reports including ECRs, Bills, Bills Checking, Bank Statement, Bank Summary etc.
- Similar Reports (Bills, Bills Checking, Bank Statement, Bank Summary) for other types of payments like House Requisition, Honorarium, Eid Advance, Arrears etc.
- Manual Entry of Salary and Other Payments
- Generation of various Tax Reports, Deduction Reports and other miscellaneous reports.

Deployment of Moodle based Learning Management System (LMS)

Moodle is the most widely used online learning system in the world today. It is an open-source web application used by educators and development professionals to create and deliver online learning. Moodle has a feature rich environment that supports all forms of online culture, ranging from personalized learning to social learning, while being in a collaborative.

Moodle as a learning platform can enhance existing learning environments. Moodle has a wide range of standard and innovative features such as calendar and Gradebook. Moodle is a leading virtual learning environment and can be used in many types of environments such as education, training and development and in business settings.

MOODLE provide numerous features some of them are as:

- Provide easy to use interface.
- Provide personalized dashboard.
- Provide collaborative tools and activities.
- Provide platform for students to learn from each other as well as the teacher.
- Easy creation of courses from existing resources.
- Course content which can be re-used with different learners, including content from other vendors (Blackboard, WebCT etc.).
- Assessment using different format of questions.
- Authenticity of assignment through Turnitin.
- An active support community to help solve problems and generate new ideas.

MLIMS (Multilingual Library Information Management System)

MLIMS Version 2.0 is introduced and many new features are added like serials entry, acquisition, thesis, circulation, thesis entry, Registration etc. Book Reading facility is also added in desktop OPAC. Approx. 35000 books are available in soft copy which can be read and downloaded.

Hostel Management System (Hall Council)

This software is being used by Hall Council. The purpose and main features of this software are:

- Student's Biographical Information
- All Hostels information
- Hostel's Room Information
- Room allotment information



Reports

- Student Detail (General Report)
- Vacant Room Report

Letter Tracking System (VC Office)

This software will be used by VC Office. The purpose and main features of this software are:

- Keep the record of all letters
- Record the letters movement efficiently
- Email & SMS generation

Campus Management Solution

Queries Entertained

Total 122 queries have been received on CMS helpline related to CMS usage on different modules and almost all of them have been resolved. To track the query from departments a CMS helpline system has been developed. Through this any department can see the status of its query online.

Total Queries: 122		
Open Queries	Closed Queries	Verified Queries
10	112	0
Solved on Same Date	Solved on Next Date	Solved After 2 Days
34	22	56

Web Section

Achievements

PU Website Updation

Web section entertained about more than 14,000 queries received from all the Academic and Administrative department of the university. This includes updating of Departments, Faculty Members, Academic Programs, Seminars, Merit lists, Entry test results, Conferences and Journals information from academic departments and Jobs Notices, Date-Sheets, Results, Tender Notices, Schedules and Press Release from administrative departments and many more.

Live Support Portal

Instantly connect with your visitors to support regarding their queries and monitor website in real time to track your visitors - all from a single application.

- Real-time chat (without page refresh)
- Unlimited operators, chats, and users



- Unlimited departments (groups of operators)
- Priority queue of visitors
- Localized to 10+ languages, Unicode support

Social Media Management (Information on Instagram)

Press Release, Results, Tenders, Notices and News are also posted on Facebook, Instagram & Twitter domain.

- <https://www.instagram.com/universityofthepunjab/>
- http://www.twitter.com/#!/pu_lhr_official
- <http://www.facebook.com/UniversityOfThePunjab.Official>

Medical College Alumni Registration development

<http://pu.edu.pk/page/show/job.html>

PU Website New Design Enhancement

Designed and developed of new website of University of the Punjab with latest trend and technologies. (<http://pu.edu.pk>)

HBL Payment Integration

Designed and developed a new website for payment integration with HBL along with “admin panel” to check the detail of the transaction and is in testing phase by HBL.

<http://111.68.103.26/old/challan/index/wSDL/>

Development of Confucius Institute (CIPU)

Designed and developed for Confucius Institute, University of the Punjab.

<http://pu.edu.pk/confuciusinstitute/cipu/>

Medical College Job Application form Development

<http://pu.edu.pk/page/show/job.html>

Maintenances Activities

Supports Section

Achievements

Important Functions

- National Conference on Indian Atrocities in Kashmir Regional & Global Implications
- First International Conference on Emerging Trends in Earth and Environmental Sciences
March 09-10, 2017
- Annual Prize Distribution for BA/BSc Annual Examination 2017



- CM Laptop Distribution Phase IV Ceremony
- Seminar Department of Economics May 18, 2017
- International Conference on “China-Pakistan Economic Corridor, Political, Economic and Perspectives” on 11, 13 September 2017
- Annual Convocation 2017
- 2 Day International Conference in Clinical Psychology
- 2 Day Invention to Innovation Summit 2017
- One Day Function “Farewell and Welcome Party” IER
- One Day Workshop in IER

Total Number of Queries Entertained in 2016-17 = 1550

Sr. No.	Month	Queries Resolved
01	October, 2016	103
02	November, 2016	102
03	December, 2016	179
04	January, 2017	110
05	February, 2017	120
06	March, 2017	165
07	April, 2017	161
08	May, 2017	109
09	June, 2017	130
10	July, 2017	165
11	August, 2017	89
12	September, 2017	117
	Total	1550

Hardware Section

Microsoft NSSA Portal licensed (Faculty, staff & students) issued/distributed in year 2016-2017 =1516

Microsoft Windows Licenses Distribution Detail

Department	Windows 7	Windows 8.1	Windows 10 Enterprise	MS office 2013	MS Office 2016
PUCIT		50	50	50	
Coal Technology	40				
HCBF	150			150	
Hailey Collage of Commerce	300	25	25	200	350
Skill Development Cell		30			30
Total	490	105	75	500	390



Hardware Lab

Achievements in Year 2016-17

Total Number of Queries Entertained in 2016-17 = 616

Sr. No.	Month	Queries Resolved
01	October, 2016	27
02	November, 2016	50
03	December, 2016	43
04	January, 2017	39
05	February, 2017	35
06	March, 2017	39
07	April, 2017	60
08	May, 2017	56
09	June, 2017	64
10	July, 2017	84
11	August, 2017	77
12	September, 2017	42
	Total	616

Video Conferencing

Video Conferences Held in Year 2016-17

Sr. No.	Date	Description (Video Conference)	Facilitated Department	Destination
1	29-11-2016	Network of Teaching & Learning	QEC	HEC Islamabad
2	01-12-2016	Focal Person VC	I.T Centre	HEC Islamabad
3	09-12-2016	US -Aid	VC Office	HEC Islamabad
4	04-01-2017	PM-Laptop Phase -3	P&D	HEC Islamabad
5	05-01-2017	Meeting of Vice Chancellors	VC Office	HEC Islamabad
6	02-02-2017	Orientation on PQR	I.T Centre	HEC Islamabad
7	14-02-2017	Campus Management Solution	I.T Centre	HEC Islamabad
8	13-03-2017	Law College Commission	Law College	HEC Islamabad
9	12-05-2017	Scholarship Management under USAID	P&D	HEC Islamabad
10	26-05-2017	Proposal for Annual Recurring Grant	VC Office	HEC Islamabad
11	07-06-2017	Meeting with Hungry and Pakistan Universities	VC Office	HEC Islamabad
12	27-07-2017	Public Sector Development Program	VC Office	HEC Islamabad



13	11-09-2017	15 Years of HEI efforts	VC Office	HEC Islamabad
14	22-09-2017	Visit of Chairman HEC to CERN	VC Office	HEC Islamabad
15	10-10-2017	Social Science Expert Meeting	Applied Psychology	HEC Islamabad
16	17-10-2017	200 th Birthday of Sir Syed Ahmad Khan	Registrar Office	HEC Islamabad

LEGAL CELL

Please find enclosed the Annual Report regarding the Punjab University cases (other than Examination) which are under trial before various courts of Law.

Court Cases

Lower Court Cases	
Filed	38
Decided	09
Pending	29
High Court Cases	
Filed	141
Decided	89
Pending	52
Supreme Court (CPLA) Cases	
Filed	12
Decided	03
Pending	09

CHIEF ENGINEER OFFICE

Sr. No	Name of Project	Status
1	Const. of Class room and Seminar room at Institute of Applied Psychology at QAC	Complete
2	Installation of 1.5 Cusec tube well near Substation No 16 at QAC	Complete
3	Const. of Employees Apartment (J-type) Block H & J at QAC	In Progress
4	Const. of Faculty Two Bed Apartments Block C at QAC	In Progress
5	Const. of Non-Teaching type Apartments at QAC	In Progress
6	Const. of Faculty Two Bed Apartments Block D at QAC	In Progress
7	Const. of Faculty Offices for Oriental College at AIC	In Progress
8	Const. of Library & faculty rooms at Clinical Psychology at QAC	In Progress

**PUNJAB UNIVERSITY LIBRARY**

Telephone(s): 092-42-99231126, 99230863

Fax Number(s): 092-42-99230892

E-Mail Address(s): chief librarian@pu.edu.pk

Research and Development

Punjab University Library is the largest library of Pakistan having rich rare material and special collections. A large number of services based on ICT's are being provided to library users. During the above cited period, 6740 new titles were added, 7633 new members were registered, nearly 252277 students visited the library and almost 30733 books were issued.

IRC checked and issued 2046 plagiarism certificates of M.Phil. / Ph.D. theses of various disciplines and lot of online Journal Articles as well. A monthly newspaper index is continuously being published for the last 15 years successfully by Serials section, while in this period, dozens of copies have been published and distributed. Serials section subscribed 65 Foreign Journals during the last year, while a total of 18 daily newspapers are being subscribed.

A comprehensive descriptive catalogue of donation of the personal collections of Prof. Muhammad Iqbal Mujaddidi comprising of 206 Rare, contemporary, and unique manuscripts, more than 1000 important Microfilms, Roto- graphs, and Xeroxes of manuscript, 10529 books and 268 titles of research journals/serials has already been published during the last year in the oriental section and sent to PU Press for printing.

The construction of 2nd floor building has been completed under capacity building and up-gradation project (PC-I) and procurement of furniture / fixture in process. For this purpose, a healthy amount was allocated.

Projects: continued & completed

- Conversion of Microfilms into Digital Form
- Digitalization of Library Accession Registers
- Installation of RF security chips on the books at UN and Serials section
- Data Entry of UN and Serials section
- Up-gradation in library building (interior exterior decoration)
- Provision of more shelves for rapidly increasing collection.
- Collection development of books and subscription of more scholarly journals.
- Preparation of MARC base version of MLIMS library database.

Serial Section: continued & completed



Subscribe 65 International scholarly print journals on different subject

Data Entry of journals records in MLIMS (version 2.0)

Maintain records of Major Urdu & English Newspapers binding

Repairing of torn and old books in binding section

Lamination and binding of different collections

Oriental Section: (Classification & Cataloguing)

- Urdu Books 2591
- Arabic & Persian Books 190
- Thesis 131

1. Data Entry (Purchasing +Gift Books)

- Urdu, Arabic & Persian Books Total Books = 2912

2. **Publication(s)**

Catalogue of Arabic, Persian and Urdu Manuscripts, Rotographs and Microfilms etc. in the Collection of Prof. Muhammad Iqbal Mujaddidi, compiled by Prof. Muhammad Iqbal Mujaddidi and Hamid Ali Ansari. Publisher: Punjab University Library

3. Data Entry (Personal Collections)

- Maqbool Ahmad Dehlavi No. 7000 to 8000
- Prof. Aftab Asghar Continued

4. Personal Collection Accession

- Prof. Aftab Asghar Continued
- Prof. M. Iqbal Mujaddidi 5000 to 6000

Miscellaneous tasks

- Up-gradation MARC base Cataloguing Module MLIMS Version 2.0
- Digitation Section start working at second floor
- Discussion Room functioning
- Manuscripts Scanning (Scanning manuscripts on demand)
- PDF Books (Generate bibliography) and attach with MLIMS (to find books from OPAC)
- Marketing of Library events on regular basis on Facebook
- 2nd floor monitoring through security cameras
- 2 month Internship program
- Appreciation Party for Orientation Team
- punjabuniversitylibrary.blogspot.com (daily events and update regarding PU Library.
- 3 Personal Collections i.e. Shahab-ud-Din, Perceival and Mahboob Alam, were shifted to newly-constructed second floor of the library.



Seminars/Conferences/workshops/Symposia/Exhibition, etc

- Organized hands of training and Presentation of Cataloguing module MLIMS Version 2.0 to all Professionals in Internet Lab of Punjab University Library.
- Installation of walkthrough security gate at library entrance.
- Mr. Muhammad Asif Khan, Deputy Chief Librarian, Mr. Kashif Khurshid, Senior Librarian and Mr. Rauf Ishaq, Librarian participated in a 2-day Asian Libraries Conference entitled “Odyssey from C-Tablets to E-Tablets and Beyond” at Islamabad on September 05-06, 2016.
- 3-day training workshop of MLIMS Version 2.0 for PU departmental librarians was organized at PU Main Library Internet Lab on January 19-21, 2016.

Students activities

- Orientation program is organized annually for newly admitted PU students at the start of every academic year.
- Provided photocopy and scanning facility of newspapers (bindings of newspapers) to more than 200 student of Mass communication

Strengthening of Physical Infrastructure

- Installation of new shared drive to users.
- Reconfiguration of the Network Servers (DHCP, DNS, Routing, NAT and Proxy Server)
- Troubleshoot, update library computer machines on daily basis.

Strengthening Technological Infrastructure

Preservation and Conservation Section is maintaining a database of Digital Library containing almost 231 e-books, articles and software and the collection is expanding day by day. The database can be accessed from library website and full text books, software and audio visuals can be downloaded (within premises). Internet Lab is providing Internet access free of cost.

To provide the wireless internet facility in the reading areas of the library, the Wi-Fi technology has been provided by the unit and more than 46,000 users and faculty were connected to internet by this technology. Users can connect to internet via Wi-Fi without any password or IP authentication.

1) Installation of new network infrastructure for the new library floor

- New Surveillance System (8 – Security Cameras)
- Two (2) DVR’s for camera recording
- Network Cabling throughout the 2nd Floor
- Installation of new Catalyst Cisco Switches
- Configuration of four (4) Cisco 300 series Switches
- Installation of new sound system in the auditorium.
- Installation and configuration of the 4 Wi-Fi devices
- Installation of UPS to back up the all installed devices



- 2) Design and Develop the new Punjab University Library Website (<http://pulibrary.edu.pk/new>).
- 3) Shifting of the IT-LAB into the different Subnet with different IP-Scheme (RRAS Server).
- 4) Up gradation of the Ground Floor Surveillance System with the new 11 security cameras and with latest DVR
- 5) Install new Computer Systems in the IT-Lab of the PU-Library.
 - Total 80 new (Intel i3, RAM (4GB), 500B (H.D)) installed.
 - Almost 80 old systems auctioned.
- 6) Installation of the new Projector / Projector Screen / and LED's for presentation.

REGISTRATION BRANCH

The Registration Branch is an important department of the Punjab University. The Registration Branch is a backbone for generating revenue through its vital role.

Online Registration

The external students and affiliated colleges submit forms/Registration returns for registration/enrollment of the admitted students. These were submitted through conventional hand written forms. The branch has taken initiative to use the modern technology to facilitate all the stake holders.

Online registration has been started successfully w.e.f the session 2016-2017 which will help to minimize the chances of mistakes during composing, reduce the work load and for speedy processing.

The branch is carrying out a lot of jobs successfully. Out of which the majors are given below:

- To issue admission schedules for admission in all disciplines to affiliated colleges.
- To receive the Registration returns from affiliated colleges and to issue the Registration cards.
- To enroll the students of M.A/M.Sc, LL.B and other disciplines.
- To register the students giving Overseas examination.
- To issue No Objection Certificates.
- To issue Migration Certificates from college to college.
- To process the cases of age relaxation.
- To process the cases of Change in Name.
- Correction in Particulars of the students.
- Issuance of Duplicate Cards.
- To process the cases of Session Gap.
- To hold the University Convocation.
- To hold the Elections of various bodies of Punjab University.
- To attest the Educational documents for study Abroad.
- To process the cases of foreign verification.



- Registration of Private (External) Candidates for B.A/B.Sc, M.A/M.Sc, B.Com and B.Ed Examinations.
- To clear the queries raised by the Examinations department.
- Coordination with other Sections, such as Affiliation, Examinations and Accounts Branch etc.
- To perform the duties assigned by the University authorities from time to time.

Issuance of Admission Schedules

The Registration Branch is liable to issue the admission schedule to all the affiliated colleges for admission in various disciplines after declaration of results of the terminal/required exams. The admission schedule issued in August/September, 2017 to 693 affiliated colleges for admission in B.A/B.Sc., B.Com., B.Ed., B.C.S., M.A/M.Sc., LL.B., M.Ed., MIT, Pharm D, M.Com, MLT, BSc Nursing and different diplomas etc.

Registration Returns

The Registration Branch received the Registration returns from various affiliated colleges. These returns were processed/evaluated and examined by the concerned staff and was referred to the Computer Section to issue Registration Cards. During the period mentioned above more than 2700 registration returns were received.

Enrollment of the Students

This branch enrolled the already registered students of LL.B., B.Ed., M.A./M.Sc., M.I.T. and other disciplines by issuing the enrollment lists to affiliated colleges. It is a best tool to check the intake. During this session more than four thousand students were enrolled in 100 Post Graduate 42 Law, 26 IT and 2 Science Education Colleges.

Issuance of No Objection Certificates

Besides the Registration, Enrollment of the students, the major job of this branch is to issue No Objection Certificates to those students who were registered with University of the Punjab and desires to continue their studies in any other university. Registration Branch issued 19890 migration certificates from 01-07-2016 to 30-06-2017 and 9170 from 01-07-2017 to 29-12-2017, to the students to proceed for Education in other Universities.

Processing of College to College Migration

Registration Branch issued 128 College to College migration certificates from 01-07-2016 to 30-06-2017 and 208 from 01-07-2017 to 29-12-2017, to the students from one affiliated college to the other.

Processing of age relaxation cases.

The Registration Branch is extending its useful services to the students who became over age for their admissions. The age relaxation certificates/letters issued to all such students during the period from 01-07-2016 to 29-12-2017 almost 787 age relaxation letters/certificates were issued.

**Change in Name**

This branch also deals with the change of Name, Father's Name cases. The candidates get decree from court of law for applying to change their name. After processing the cases more than 563 letters of change in name were issued from 01-07-2016 to 30-06-2017 and 278 from 01-07-2017 to 29-12-2017.

Correction in Particulars

If there is mistake in the name, father's name N.I.C No, date of birth, address etc on the Registration card, correction is processed on the request of student. About 3500 cases of correction were processed during this period.

Duplicate Cards

The Registration Branch issues Duplicate Registration Cards to the students who have lost the original Registration Card. During this period 4000 Duplicate Registration Cards were issued.

Session Gap

Session gap is allowed to candidates seeking Regular Admission as prescribed in the rules. This branch issues the age relaxation letter to such students who are eligible under the rules. During this period more than 1100 letters were issued.

University Convocation

Convocation is the major event of the Punjab University. This branch paid a very important role to hold the Convocation. The 126th Convocation of the Punjab University was held on 20th November 2017. The Registration Branch performed all the duties to hold the convocation successfully.

To attest the educational documents

The most important job being performed by the Branch is to attest educational documents. The candidates, who apply for admission to study abroad, are required to get their educational documents attested/verified by the Registrar. This branch dealt more than 1310 cases during this period.

Cases of foreign verification

There is a Credential Verification Cell in the branch. Cases are received from International Universities and Educational Institutions on daily basis. This branch is processing such cases carefully. Registration Branch processed 440 cases of verification during this period.

Coordination with other sections

All the branches of the university work in collaboration with each other. This branch coordinates with Accounts, Examinations and Affiliation Branches for various issues.

**Registration of Expatriate Pakistani Citizens**

Punjab University Registration Branch also registered the overseas students taking examinations in various countries like K.S.A., Dubai etc. During this period this branch registered more than 320 overseas students for this purpose.

To perform the duties assigned by the Punjab University Authorities

This branch remains ready to perform all the general duties assigned by the University Authorities. The Registration Branch is liable to process the Registration / enrollment of the students in all disciplines. The Branch has Registered and issued computerized Registration Cards to the students who got admission in the University Teaching Department, Constituent and affiliated colleges in various disciplines during this year. This Branch Registered the private candidates who appeared in B.A./B.Sc., B.Com., M.A/M.Sc. and B.Ed. examinations.

693 affiliated colleges were dealt by the Registration Branch by issuing the Registration card and Enrollment for different disciplines.

Registration of Private (External) Students.

Registration Branch has registered the private (external) students for the following examinations.

1. B.A/B.Sc

Registration Branch registered 41306 candidates for B.A/B.Sc Examination in 2016. 37806 candidates are registered for the composite B.A/B.Sc examination 2017 and 16723 candidates are registered for B.A/B.Sc Part-I Examination 2017. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

2. B.Com

Registration Branch registered 10609 candidates for B.Com Examination 2016 and 8129 candidates for B.Com Examination 2017. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

3. M.A/M.Sc

Registration Branch registered 4403 candidates for M.A/M.Sc Examination 2016 and 5654 candidates for M.A/M.Sc Examination 2017. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

RESIDENT OFFICER-I**Security, House Allotment, Transport, Shops and Khokhas:****Security**

The security system of the Punjab University has improved manifold to conduct a thorough security evaluation. In order to improve the security arrangements, the University of the Punjab has taken immediate security steps/measures which are as under:



- Holding of Security meetings regularly.
- Approaching CCPO, Commissioner, SP, Iqbal Town, DSP, Muslim Town Circle, SHO, Police Station Muslim Town in connection with security measures.
- Immediate procurement of more Guns, CCTV Cameras, motorbikes and vehicles for patrolling.
- Nine walk through gates has been purchased and placed at the prominent places of University.
- 46 Metal Detectors have been purchased to improve the security of Punjab University.
- Repair of Boundary Wall.
- Checking of trespassing by unauthorized persons.
- Keeping watch on hostels by all concerned.
- Training of security guards from Police Department.
- In order to upgrade the security arrangements, the following weapons were purchased:

1. Rifle .223	20 Nos.
2. Pistol .9 MM	10 Nos.
3. Pump Action	21 Nos.
- The security staff deputed at University Gates are strictly instructed to check all the vehicles thoroughly with bottom mirror view and also to check the visitors through metal detectors at all the entry points.
- In order to stop the entry of illegal vehicles in the University Campuses, stickers are being issued to all the vehicles of University faculty, students and employees who visit the University on regular basis. Without sticker, no vehicle is allowed to enter in the University premises.
- 14 motorcycles have been provided to the security staff for Mobile squad duties which have further strengthened the security arrangements. The Mobile Squad is also instructed to be more vigilant.
- Emergency lights have been installed at the main entry points of Punjab University to further upgrade the security arrangements.
- Torch (Search Lights) has also been provided to the security guards.
- The faculty members, students and employees are also instructed to wear the I.D. Cards during office hours.
- Concrete barriers (Zig Zag) are erected at entry/exit Gates.
- CCTV Cameras have been installed at entry Gates and prominent points of University and the process for installation of more CCTV cameras is under progress.
- A Security Control Room has been established for proper monitoring all the CCTV Cameras.
- 16 Vantage points and 16 OP Posts have been constructed around the boundary wall and prominent places of Punjab University and the process for construction of more OP posts and vantage points is under progress.



- The security staff is also provided walkie talkie wireless communication sets for swift discharge of security duties.
- Security lights are being installed to have clear visibility by security guards.
- Recruitment of more security staff to upgrade the security arrangements.
- New Ladies Security staff has been appointed to ensure the security of female students.

Allotment of Houses (Teaching & Non-Teaching Staff)

Houses are being allotted to the teaching and Non-teaching staff in the Residential Colony regularly. The survey of the hired/self house of teaching/non-teaching staff in connection house requisition is also being carried out.

The office of Resident Officer-I allotted **79 Houses/Flats/Suites** to the teaching and non-teaching staff during the year 2016-17 New Sui gas meters have also been installed in the official residences of Teaching and Non-teaching staff in the residual colony of Punjab University.

Shops/Cycle Stand

The Rate and Rent Collector has updated all the record of Shops/Khokhas and Cafeteria and the shops are being allotted on open competition basis.

Recovery of rent of Shops/Cycle stands

Recovery of Rent of Shops

Rent Collected Rs. 10,3,78,615/-

Recovery of Rent Cycle Stands

Rent Collected Rs. 45,60,000/-

The booking of suites and barracks are being made to the teachers, students and employees of Punjab University as per their entitlement. Moreover, booking are also extended in off season outside university in order to generate maximum revenue for Punjab University.

TRANSPORT WING

Telephone No : 042-99239401

Contents : Transport Wing has fleet of 54 buses.

1. Repair & Maintenance of Vehicles

During the year 2016-2017 Transport Wing has performed following activities in repair and maintenance of buses.

a) Major Repair	No. of Buses
i) Engine overhauling	09
ii) Complete bus body repair & and painting	05
iii) Bus Floor Change	02
iv) Gate Hydraulic Jack	05



b) Minor Repair	No. of Buses
i) Leave spring repair	132
ii) Gear box repair	15
iii) Clutch repair	52
iv) Radiator repair	27
v) Injunction Pump and automizer	22
vi) Seat Poshish and Bus Body repair	12

c) Increase of Store Item

It is pertinent to mention here that availability of sufficient store item minimize the overhead expenditure and improve the efficiency. Keeping in view Transport Wing purchased maximum spare parts item for Store Stock. Due to available of rich store, all the vehicles are found in working condition and ever ready for duty.

Store Items	Available Quantity
Spare Parts	642 Items
Mobil Oil	42 drum
Tyres	135 Sets
Batteries	50 Nos

2. Consumption of Diesel

During 2016-17 expenditure of P.O.L is well controlled instead of increased side routes and bus shuttle service in side of university premises. University buses saved diesel of Rs. 2,332,059 /-.

3. Revenue Receipt of Transport Wing

Statement showing detail of revenue as follows:

Bus Passes	
Bus Booking and Tickets	Rs. 3,168,951

4. Re-appropriation:

Resident Officer-1 has well control over expenditure of Transport Wing so that saving in different head of accounts could be made and re-appropriated for other objects without demanding of excess budget against following head of accounts:

Sr. No	Budget Head	From Head of Account	To Head of Account (Repair of BusBody)	Re-Appropriated Amount (Rs.)
1	Maintenance of Vehicle	21-03 013001-02	21-03 013001-08	6,00,000/-



RESIDENT OFFICER-II

Land Office

This office looks after the landed property at the Quaid-e-Azam Campus. Some facts about the land are given below: -

Total Land	1781 Acres.
Cultivated Land	A - K - M
	1034 - 1 - 10
i) Under Self-Cultivation	125 Acres
ii) Lease out Land	A - K - M
	909 - 1 - 10

1. Lease rate per acre (per annum), Rs:

a) Tube well irrigated area	Rs. 44,000/-
b) Canal irrigated area	Rs. 55,000/-

2. Income from leased out land Rs:

Rs. 4,24,16,276/-

3. Self-cultivation:

a) Income from Self-Cultivation Land	Rs. 80,31,340/-
b) Expenditure	Rs. 44,30,582/-
c) Saving	Rs. 36,00,758/-
Grand Total	Rs. 4,60,17,034/-

DEPARTMENT OF MOSQUES

Telephone (s): 0092 42 99231135

Email Address: incharge.mosque@pu.edu.pk

The Department of Mosques, Punjab University comprises six (06) mosques (four are situated in the Quaid-e-Azam (New) Campus & two are in the Allama Iqbal (Old) Campus), an Institute of Hifz-e-Quran adjacent to Jamia Mosque, an Institute of Nazira attached to E-Block mosque and a Library. All teaching, administrative and other official matters of all mosques, institutes of Hifz-e-Quran, Nazira and Library are controlled through the main office attached to Jamia Mosque, New Campus.

Four qualified and experienced teachers have been appointed to teach the admitted students in the Institute of Hifz-e-Quran. Regular classes are being conducted from Monday to Saturday in specific hours. To facilitate the admitted students, additional classes are also held after Maghrib prayer which is helping to enhance the religious academic capability of students. Moreover, students belonging to various departments of the university also attend these classes to learn and improve their reading ability of Holy Quran.



Following Twenty Five students of the Institute completed Hifz-e-Quran during Oct. 2015 to Sep. 2017.

01. Muhammad Usman	02. Hassan Abdullah
03. Labaiq Abdullah	04. Muhammad Bin Yousaf
05. Tayyab Basit	06. Abdul Saboor Asif
07. Muhammad Nouman	08. Muhammad Farrukh
09. Muhammad Taha	10. Abdullah Bin Mumtaz Hussain
11. Muhammad Salman	12. Samiullah Rafiq
13. Muhammad Luqman	14. Muhammad Muaaz Akram
15. Muhammad Abdullah Sultan	16. Abdul Roof Tahir
17. Muhammad Abdullah	18. Shahzaib Ashraf
19. Saroosh Zahid	20. Muhammad Waqar
21. Khubaib Hussain	22. Usman Farooqi
23. Khuaja Alap Arsalan	24. Muhammad Tayyab
25. Muhammad Younas	

Separate classes for boys and girls are being arranged in the Institute of Nazira. For this purpose, services of female teachers for girls and male teachers for boys have been hired. Alhamdulillah, as many as 205 male and female students have been studying and 22 students completed the Quran.

The department is also arranging weekly Dars-e-Quran, which is conducted on Tuesday after Maghrib to Isha prayer. A large number of university students, teachers, employees and other people attend with religious zeal.

Like previous years, the department arranged Aitikaaf in all the Mosques. But a large number of people offered their aitikaaf in Jamia Masjid. Renowned religious scholars delivered lectures on various Islamic topics for the educational and practical training of aitkaaf observers. The department arranged ceremony at each mosque in connection with Takmeel-e-Quran in which taraweeh prayer leader and listener were gifted books.

Development Activities:

- A new praying-carpet was laid in Jamia Masjid to facilitate the prayerers.
- Three new air conditioners having capacity 4-Ton each were installed in Jamia Masjid.
- The department purchased and installed one UPS for Jamia Masjid.
- Similarly, a new praying-carpet was laid in Islamic Centre Masjid to facilitate the prayerers.
- A tarpaulin was installed in courtyard of E-Block Mosque to save prayerers from sunlight in summer season.
- Two new water-tanks were installed in E-Block Mosque.
- Three new carpets were laid in E-Block Madrassa (Nazira) to facilitate the students.
- Two new close circuit camera (CCTV) were installed in the Madrassa Hifz-e-Quran.
- A new microwave oven was purchased for Madrassa Hifz-e-Quran.
- One air conditioner having capacity 4-Ton was installed in Library of the department.
- A WiFi connection was installed in the library of the department to facilitate students.



Library

The Library of Mosques Department provided quality services to its users efficiently throughout the year. To provide quality services, as many as 469 books in Urdu, Arabic and English languages, covering areas of Quran, Tafsir, Hadith, Fiqh, Seerat-un-Nabi (PBUH), etc. were purchased from October 2015 to September 2017, besides continuing the subscription of Islamic research journal for the library. The library collection during the said period reached 12628. The users were helped and guided about the use of catalogue for searching their required reading material from the library collection. They were provided books on demands in timely-writing their assignments. They were also provided facility of photocopying their required pages of the book for their assignment purposes. The users were provided congenial reading environment which helped them frequently visit the library on daily basis.

HALL COUNCIL

Telephone Numbers: 99231134, 99230280
 Fax Number (s): 99231134
 E-mail: hallcouncil@pu.edu.pk

The Hall Council is an important statutory body of the Punjab University. It supervises 28 University Hostels, administrated by 26 Wardens, 28 Superintendents, One Chairman Hall Council, One Secretary Hall Council, One Deputy Chairman Boys Hostels, One Deputy Chairperson Girls Hostels. In these 28 hostels more than 7,250 students are residing.

1. Boys Hostels at Quaid-e-Azam Campus	15
2. Boys Hostels at Allama Iqbal Campus	01
3. Girls Hostels at Quaid-e-Azam Campus	12
Total Hostel Male and Female	28

Special Checking For Unauthorized Persons

The Hall Council as per the vision of Vice-Chancellor made special efforts to expel illegal occupants and a lot of success has been achieved with the positive cooperation of the Wardens and Superintendents. As a result of surprise visits; illegal persons found were expelled from the hostels at the occasion. The disciplinary action was also taken against the students who had accommodated illegal persons.

Co-Curricular Activities

Every hostel organizes Annual Sports and Annual Dinners for the residents. The Hall Council supervises and provides facilities in the conduct of all such activities. It encourages the students to participate in the sports and other extra curricular activities arranged in the hostels and prizes are awarded to the winning students / teams. The residents of the hostels manage their mess by their own through the mess committees formed under supervision of hostel administration.

**Basic Facilities provided by the Hall Council to the Hostels**

The basic facilities for accommodation in rooms of the hostels have been provided by the Office of the Hall Council such as furniture, electric fans, water coolers etc, as per capacity and requirements. In addition, the Hall Council provides all maintenance and repair facilities to the Hostels throughout the year. The necessary items are purchased and provided after the approval of the Special purchase Committee of Hall Council. Medical facilities/Ambulance service is being provided to the residents students round the clock. The services of the University Physicians are also available in the night hours in emergency to the boarders. Hall Council offers complete medical coverage to the residents of the hostels.

Study and Recreation Tours

Many Male and Female students/teachers from other Universities and Colleges of the country visited University of the Punjab as study tours in the year 2015-2016. The Hall Council made all necessary arrangements for their peaceful stay, and provided the facilities to visit the city of Lahore too.

Meetings

Special/routine meetings of Wardens and Superintendents were held to resolve various issues of the Hostel. With unanimous consensus many of the very delicate issues were resolved. In addition, the meetings of Purchase Committee, ad-hoc Committee were also held for the purpose.

Foreign Students

The rooms have been reserved in boy's hostels and girls hostels for Foreign Students and all the necessary facilities are being provided to them so that they may feel at home in the hostels.

Street & Hostel Lights

With the help of the Engineering Department street light system in the hostels area has been improvised. Water Sanitation conditions around the hostels have also been improved with the help of the office of Resident Officer-II. Special attention has also been paid to increase plantation/greenery and natural beauty all around the hostels area.

Funds Allocated

In addition to the Budget estimate for year 2015-2016, Rs.1,50,000/- was sanctioned to each hostel for repair/maintenance work. The amount has been spent for various maintenance/repair works to provide better facilities to the resident students.

Prospectus

The prospectus of Hall Council with updates was printed and distributed to all Institutes/Centers/Constituent Colleges for allotment of their students in 2015-16.



Arrangements for Security Measurement

After the attack on Army Public School, Peshawar by the terrorists and prevailing presents threats, the Hall Council made the emergent decision regarding the high security measures to be taken for all the hostels and surrounding area. Following arrangements have been made regarding the security measurement.

1. A complete ban has been imposed on entry of non-resident students/general public in the hostel area.
2. A complete ban has been imposed on the traffic shortcuts through the hostel area.
3. A complete ban has been imposed on guests in hostels.
4. The security on entry/exit points of Hostels was doubled by appointing two Chowkidars during each shift of 12 hours instead of one Chowkidar in past.
5. Fresh data of all hostel employees was collected and saved in computers along with their recent snaps.
6. All Chowkidars/sweepers have been directed to wear uniform during duty hours.

CAREER COUNSELING & PLACEMENT CENTRE

Career Counseling & Placement Centre was the idea of Dr. Abdul Qayyum Ch. which was established & materialized by the Authorities of the University of the Punjab in 2003, the major purpose to establish this center was to provide Career Counseling & Placement services to the students, employees and teachers of the University of the Punjab regarding their personal, professional and career development.

Keeping in view the ever evolving knowledge and cutting edge technologies, it has become the primary aim of this Centre to bridge the Gulf between Job Market and various academic departments / institutes through joint sessions and collaborative networking. We are providing trainings to our University Students regarding life skills and employability skills i.e. how to prepare for powered CV, Interview Skills, Self-Motivation and positive thinking, Creative Thinking, Self-esteem, Decision Making, Learning Attitude, Stress Management, Effective Verbal & Non - Verbal Communication, Interpersonal Communication Skills and job hunting strategies etc.

In March 2009 the present head of this centre Dr. Abdul Qayyum Ch. again took over the charge of Career Counseling & Placement Centre, its renew and revitalized the since then the center has developed more than 200 Linkages / Recruitment Partnerships with different leading Organizations / Companies / Banks and Industries for Job placement of our graduates.

Career Counseling & Placement Centre is working quite in line with the vision plan of current National Education Policy & HEC's guidelines to provide career counseling and placement services to the University Graduates. We have been continuously imparting employability skills and also helping in career counseling and job Placement to our potential graduates. Thousands of our graduates have been facilitated for various Jobs through this Centre. We are also continuously offering trainings / seminars to graduates regarding job market, employability skills



with the help of highly professional entrepreneurs, CEOs and business managers through joint sessions. We are also conducting one –to- one session with our student(s) regarding selection of career path, career choice, career development according to their aptitude and attitude which ultimately lead them to become productive citizens of Pakistan.

Types of Services

- Orientation and guidance services for new entrants to acquaint them to the University life.
- Educational and Occupational Information Services
- Counseling and Advisory Services may include personal, social emotional and financial problems.
- Services to International Students.
- Image Building of the University
- Job Bank
- CV bank of PU students
- Follow-up Services
- Revitalizes the Alumni

List of Tasks / Assignments Completed During This Year

- Workshops/Training Sessions were conducted in the various departments of the University of the Punjab on the following topics:

Sr. No.	Department	Topic
1	Department of Botany	Effective Time Management
2	Department of Zoology	How to Adjust to Campus Life
3	Department of Economics	How to Adjust to Campus Life
4	Institute of Business & Information Technology	Effective Interview Skills
5	Department of Statistic & Actuarial Sciences	The Role of Motivation & Positive Thinking in Life
6	Department of Chemistry	Effective Interview Skills
7	Department of Mathematics	Effective Interview Skills
8	Department of Space Sciences	The Role of Motivation & Positive Thinking in life
9	Department of Geology	Time Management
10	Department of Gender Studies	Interview Skills
11	Chemical & Engineering Technology	The Role of Motivation & Positive Thinking
12	Department of Botany	Effective Time Management
13	Institute of Education & Research	CV Writing
14	College of Pharmacy	Effective Time Management



- The task of preparing list of potential employers, updating the data of alumni & the CV folder of the passing out graduates was assigned to focal persons. The lists were updated in the data bank of CC&PC
- Career Counseling & Placement Centre arranged a recruitment drive in collaboration with Fauji Fertilizer Company on 09-10-2017 in the Institute of Chemical Engineering & technology University of the Punjab.
- Individual and Group counseling of the students was conducted regarding the academic issues, Adjustment problems, Emotional issues and any other issues raised by the students.
- Contacts were established between Academia/Industry to explore and secure job/ Internship opportunities for our graduates.
- To locate and upload various types of jobs for the graduates of the university of the Punjab on the Facebook page of Career Counseling and Placement center. Besides, job requests received from various organizations/industry through emails are monitored, uploaded, and forwarded to concerned departments for action.
- Students of PU visit career counseling office for mentoring, guidance and also to seek solutions to their questions regarding personal and academic life.
- Visitor's queries are also met to their satisfaction to build and promote the positive image of this prestigious university.
- Representative of different organizations make personal visit to explore opportunities for the employment of PU graduates
- Information/guidance is also provided to the students /outsiders regarding admission queries etc.