

Annual Report 2015-16



University of the Punjab
Lahore – Pakistan

UNIVERSITY OF THE PUNJAB

Annual Report 2015-2016

ANNUAL REPORT COMMITTEE

- | | | |
|-----|--|------------|
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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 09 and Ph.D 03

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**

- 18 students have passed during Annual examination of M.A. Archaeology
- 2 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.Phil Theses completed during the academic year (2013-15).

1	Asra Mahmood	Exploring Eco feminist Concerns in Gunter Grass's Novel <i>The Flounder</i>
2	Saasha Asif	The City as an Anthropomorphic Character in Aravind Adiga's Fiction
3	Irshad Ullah	An application of Barthe's <i>The Construction of Reader</i> to Lessing's <i>The Golden Notebook</i>
4	Naima Waseem Chaudhry	Sartorial Imagery in Amy Tan's <i>The Valley of Amazement</i> and <i>The Joy Luck Club</i>
5	Nida Ahsan	Exploring Spatiality in Collected Stories (2008) by Anita Desai
6	Samia Fatima Naqvi	Ecopoetic Study of Vikram Seth's "The Golden Gate"
7	Nida Shahid	Remapping Cultural Landscapes: A study of Cityscapes in Kamila Shamsie's <i>Kartography</i> (2002) and <i>A God in Every Stone</i> (2014)
8	Najeeba Anees	Politics of Hybridity: Exploring Visual Culture and Configuration of Spaces in Mistri's <i>A Fine Balance</i>

- A list of M.A Morning Session (2013-2015) Research Papers Completed.

1	Ayesha Razzaq	The Study of indigenous language in M. Shamsee's "And the world changed"
2	Ayesha Akram	The Traumatic Impact of Conscious Part on Present in Shamsie's <i>Kartography</i>
3	Ahmad Manzoor	Stockholm Syndrome in Tandulkar's <i>Sakharam Binder</i>
4	Manahil Amjad	Renegotiation oppression in Mukherjee's "Jasmine"
5	Tehreem Naeem	Public and Private Space in Mueenudin's <i>A Gendered Perspective In other Rooms other Wondess:</i>
6	Kiran Fatima	The Role of Latent Memory in the Poetry of Ilona Yousaf



7	Tehreem Sarfraz	Manipulation of Exploitation and abuse: Transforming identities in the kite Runner.
8	Kaneez Fatima	Pleasure Through Violence in My Feudal Lord.
9	Anam Salman	T.S. Eliot's attitude towards women in his poems.
10	Hamna Khalid	Resistance against Inequalities: The God of Small Things as an Indian Social allegory.
11	Imran Hussain	Cultural Clashes after partition in "Between Clay & Dust"
12	Ayesha Khan	The Politics of identity: Tracing the feelings of homelessness and nostalgia in Zulfikar Ghose's Selected Poems.
13	Hafiza Jasia Batool	Crossing Threshold in the novel the story of a widow
14	Nermeen Ahmad	Re-Negotiating Female Empowerment in A Thousand Splendid Suns.
15	Shabana Sharif	The Use of Body as a Survival Mechanism.
16	Ali Asad	Fictionalization of Economics facts of developing countries in Mohsin Hamid's How to get filthy rich in rising Asia.
17	Sadia Tariq	Re-exploring family Myth through the combination of History and Memory.
18	Muhammad Fahad Arshad	Imperatives and impacts of globalization in Khaled Hussein's novel and the mountains eachord.
19	Fatima Aslam	Crossing threshold: a cultural studies in Bapsi Sidhwa's novel "Water and the Bride"
20	Hafiz Muhammad Yasin	A polloman and Dionysian forces in Tariq Ali's Sazadin
21	Chand Hayat	Representation of Women in the Ice candy Man by Bapsi Sidhwa
22	Sumera Saleem	The treatment of space in the reluctant fundamentalist by Mohsin Hamid
23	Nida Haroon	The treatment of women stone woman by Tariq Ali
24	Adeel Iqbal Bajwa	The tragic Stains in Renovation 20-20 by Chetan Bahagal.
25	Anam Riaz	Violence in the Bride by Bapsi Sidhwa.
26	Neelam Shahzadi	Power Politics in Tariq Ali's Shadow of the Pomegranate tree
27	Muhammad Bilal	Self, exile and indo-Pak Power Politics in Soniah Kamal's and isolated incident .



28	Sumaiya Zulfiqar	Aesthetics of narrative in how to Get Filthy Rich in Rising Asia.
29	Iqra Munawar	Local and universal in our lady of Alice Bhatti.
30	Samia Bhatti (employees)	The Echo of Afghanistan in Aud the Mountains Echoed
31	Saba Naz	Twains shall Meet: The East & the West in the Blind Man's Garden
32	Rahat Bashir	The politics of Humors in Our lady of Alice Bhatti
33	Muhammad Mujahid	Contemporaneity in Zulfiqar Ghose'sPoety.

▪ A list of M.A Replica Session (2013-2015) Research Papers Completed.

1	Taimur Kayani	Journey into Cryptic Self: A Lacanian Study of Karnad's <i>Tughlaq</i>
2	Mahwish Abbas	Survival and Sustenance through Shared Experience of Womenhood in a <i>Thousand Splendid Suns</i>
3	Saba Akram	Theme of Adoption and the Resultant Conflict in <i>And The Mountains Echoed</i>
4	Memoona Nasim	Metaphor of Blindness in Aslam's <i>The Blind Man's Garden</i>
5	Saima Majeed	Significance of Glacial Imagery in Khan's <i>Thinner than Skin</i>
6	Nabila Saleh	Theme of War in <i>The Golden Age</i> by Anum
7	Anam Sajid	Homosexuality and its Dis(contents) in James Baldwin's <i>Giovanni's Room</i>
8	Kiran Tabassum	Tropes of Female Identity in Alice Munro's <i>Dear Life</i>
9	Rabia Ramzan	Re-Discovering Indian Mind and Consciousness: A Hermeneutic Study of V.S. Naipul's <i>India: A Wounded Civilization</i>
10	Maryam Suleman	Multiculturalism and its Implications: Thematic Study of Kamila Shamsi's <i>Burnt Shadows</i>
11	Fizza Butt	Language as an Instrument of Power in Markus Zusak's <i>The Book Thief</i>
12	Sundas Nadeem	Contesting Patriarchal Structures: A Study of Bapsi Sidhwa's <i>The Pakistani Bride</i>
13	Azka Naveed	Social Hierarchies – A Discourse of Oppression
14	Nabia Mazhar	Politics of the Female Identity in Kate Chopin's <i>The Awakening</i>
15	Bilal Saleem	Jungian Study of Mohsin Hamid's <i>How to Get Filthy Rich in Rising Asia</i>
16	Bushra Ibrahim	Exploring Domestic Space in Bapsi Sidhwa's <i>The Pakistani Bride</i>



17	Amna Tariq	Identity Dynamics in Characterization of Bulah and Banda – From Extremism to Mysticism in ShahidNadeem’s <i>Bulah</i>
18	Sharjeel Ahmed	Identity and Self-Esteemv/s Economic Pursuits in <i>The Reluctant Fundamentalist</i>
19	Sidra Amanat	Metaphor of “Kotha” in <i>Between Clay and Dust</i> by Musharraf Ali Farooqi
20	Sidra Ali	Comparison of Nomadic Life and Stable Life through Deformalization and Flash Back in <i>The Wandering Falcon and Life After Life</i>
21	Tehmeena Qamar	The Metaphor of “Jail-Bird” in Muhammad Hanif’s <i>Our Lady of Alice Bhatti</i>
22	Shaheer Abbas	Image of Oak Tree as a Symbol of Identity in KhaledHosseini’s <i>And the Mountains Echoed</i>
23	Muhammad Sarmad Ishaq Baloch	<i>Tender Hooks: A Post-Colonial Perspective</i>
24	Sara Nawaz	Gender Portrayal and Class Interaction in Pakistan’s Feudal System inDaniyalMueenuddin’s <i>In Other Rooms Other Wonders</i>
25	Muhammad Hammad Hassan	Search for Identity in the U.S. in the Face of Racism in Pakistani Diasporic Community in <i>Welcome to Americanistan</i> by J. Akhtar
26	Muhammad Khan	Cultured Rigidities in the First and Second Generation Immigrants
27	Muhammad Karim Akhtar	The City – An Extended Metaphor in BilalTanveer’s Novel: <i>The Scatter Here is Too Great</i>
28	Rabbia Ahmad	The Defeated Death in the <i>Grave Yard Book</i> by Neil Gaiman: Self-Determination
29	Fiona Hashmi	Imperfect Perfection: A Magical Journey in Reality for Self in <i>Twilight</i> by Stephenie Meyer
30	Anam Rasheed	The Ironical Status of Jaya in <i>Raj</i> by Gita Mehta

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

Telephone (s): +92-42-99231170

Fax Number (s): +92-42-35852959

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

○ Undergraduate and postgraduate Programs

- M.A History (Semester System)
- M.A Pakistan Studies (Semester System Self-supporting Program)
- M.Phil in History (semester system)
- Ph.D in History (semester system)



- **Academic Achievements**

38 students doing Ph. D from History Department as regular

- **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

- The Department of Philosophy has achieved several teaching and research milestones in this academic year. In general, the Department published one book, one research journal and organised several lectures, seminars and talks in different arenas.
- In the order to pay homage to Pakistan's national poet-philosopher, Dr Muhammad Iqbal, the Department of philosophy organizes Iqbal memorial lectures annually. This year's Iqbal memorial lecture was delivered by Professor John Edmund Hare of Yale University, USA, on the topic "Ethics and Religion". Professor Mujahid Kamran, the then vice chancellor, presided over the lecture while many people from different strata of life attended it.
- In the academic session 2015-16, the Department published a book entitled, *The Quranic Theology, Philosophy and Spirituality*, authored by Professor Abdul Hafeez, formerly Chairman of the Department.
- In the same session, a number of the research journal, *Al-Hikmat* was also published. In this number, several papers were contributed by the faculty of the Department.
- In this academic session, the Iqbal Day and the World Philosophy Day were celebrated together. Professor Abdul Khaliq, the formerly chairman of the Department of Philosophy, talked on the reinterpretation of Iqbal's ideas and their significance in contemporary epoch for promoting 'tolerance in society'. After Professor Khaliq's lecture, faculty and students conducted a walk with play cards and posters to highlight the need of Iqbal's ideas and philosophy for Pakistani society.
- In order to pay homage to the great Pakistani philanthropist: Reverend Abdul Sattar Edhi, the Department organised a seminar to highlight his great services for humanity.
- For healthy mind and mental recreation, the Department organised sport galas and excursion tours in which both students and faculty members of the Department participated.
- **Undergraduate and Postgraduate Programmes**
BS (4-Years) Philosophy and MA Philosophy
- **MS and PhD Programmes**
MPhil and PhD in Philosophy



PAKISTAN STUDY CENTRE

Telephone (s): +92-42-99231148
 Fax Number (s): +92-42-99231148
 E-mail Address (s): director.psc@pu.edu.pk

○ **Academic Activities**

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.
- Six (6) PhD and Twenty Four (24) M. Phil. students were admitted in academic sessions 2015-16. Criteria for admission in both programmes set by HEC and Punjab University was strictly followed.

○ **Academic Achievements**

Three (03) 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.

○ **Institutional Linkages**

- MoU with University of Azad Jammu and Kashmir, Muzaffarbad was signed by the Centre.
- 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

○ **Undergraduate & Postgraduate programs:**

BS in French; MA in French; M.Phil in French (Approved - to be launched)



○ **Academic achievements**

The year 2015-16 saw the successful implementation of new modules and courses in Master programme as per decision and approval by the competent bodies in the preceding year. The new modules introduced in the Master programme address the contemporary needs of our society and are set according to the latest trends in the domain of the foreign languages. Orientation in Research work and translation projects is focused in particular.

- The graduating batch of MA French with Foundation Semester of 4 months proved successful in providing a solid base of French language to the students and in developing their written and spoken French skills.
- There was 100 % induction of our graduating students of Foundation Semester in reputed organizations.
- Teachers training sessions were arranged to groom the students as Educators. Preparation of Course outlines, Lesson planners, Learning objectives, Class strategies, etc. were also practiced in various sessions.
- Short courses in French language were also successfully conducted as per international criteria of DELF A1 / A2.
- An option of internship was also introduced in the final semester of Master's program.

○ **Foreign academic linkages**

Continued affiliation with Alliance Francaise' Islamabad and Embassy of France for French Online Certificate programme and other related matters

○ **Honours and awards**

Dr. Saleha Nazeer and Ms. Saira Riaz received Performance Award for the year 2015.

○ **Institutional linkages**

Continued collaboration in co-curricular activities with the Alliance Francaise of Lahore.

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 (Morning and Replica)
- BS (Hons) (4 Years Program)



- **MS and PhD Programmes**
 - Ph.D (Morning and Self-Supporting)
 - M.Phil. (Morning and Self Supporting)
- **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
 - Punjab Commission on Status of Women

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)
- **Institutional Linkages**
 - MOU with Hanns Seidel Foundation, Pakistan “Model CCI Debating Federalism”.
 - MOU with Lahore Chamber of Commerce & Industries (LCCI), Lahore.
 - MOU / Collaboration with Lahore Council for World Affairs.
 - Collaboration with Navy War College, Lahore
 - MOU / Collaboration with Intermedia with finance Assistance

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**
 - BS (4-Years) Program (Regular & Replica)
 - M.Sc. Social Work Programme (Morning and Replica)
- **MS and PhD Programmes**
 - MPhil and PhD Programmes

INSTITUTE OF COMMUNICATION STUDIES

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

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

- **Undergraduate and Postgraduate Programmes:**
 - BS (4-Year) Program (Morning)
The Institute offers BS (4 Years) Program in Communication Studies.
 - BS (4-Year) Program (Replica) Afternoon
 - Master Programs:
The Institute offers M.Sc Communication Studies in following area which includes:
 - M.Sc Communication Studies (Morning Program) with four specializations:
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - Digital Media
 - M.Sc Communication Studies (Replica Program) with four specializations (Afternoon)
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - Digital Media
 - M.Sc Communication Studies (Development Journalism) Evening Program (Afternoon)
 - M.Sc Communication Studies (Film and TV Production) Evening Program (Afternoon)
- **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

▪ **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:**

- BBA (Hons) Banking & Finance (Four Years Program)
- BBA (Hons) Insurance & Risk Management (Four Years Program)
- MBA Banking & Finance (3.5 Years Morning Program)
- MBA Insurance & Risk Management (3.5 Years Morning Program)
- MBA Banking & Finance (1.5 Years Morning Program)
- MBA Insurance & Risk Management (1.5 Years Morning Program)
- MBA (Evening) Banking & Finance (3.5 Years Evening Program)
- MBA (Evening) Insurance & Risk Management (3.5 Years Evening Program)

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

▪ **Undergraduate 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 ten (10) 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 thirty-two (32) which is first time in the history of the University of the Punjab. In current session, fifty eight (58) students have completed their course work and are now working on their thesis. Besides, twenty (20) & forty (40) students have been admitted to M. Phil. (morning) & M.Phil (Weekend Self-Supporting Program) respectively for the session 2016-18. Presently all programs of the Department are under semester system. During the year 2015-16, one hundred and two (102) books were purchased and subscriptions of 18 journals were renewed. The Department received 29 journals under exchange program. The Department is offering seven 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**

Masters in Information Management (Morning and Replica)



○ **MS and PhD Programs**

- M.Phil. in Information Management
- PhD in Information Management

○ **Academic Achievements**

- In 2015, fifty eight students, in 2016, forty seven students got their Master's degree.
- In 2015, fourteen students, in 2016, three students got their M.Phil's degree.
- In 2015, one student, in 2016, three students got their Ph.D's 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

○ **Undergraduate and Postgraduate Programmes**

- 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)

○ **MS and PhD Programmes**

- MPhil Management (Regular Program)
- PhD Administrative Sciences (Management) (Regular Program)

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**

- 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**
 - M.Phil in Business Administration
 - Ph.D in Business Administration Programs
- **Academic Achievements**

IBA launched MBA 3.5 years self-supporting program (equivalent to MS/M.Phil degree) from session 2016 for candidates having 14 years educations. The detail is given as under:-

Sr. No.	Program	No. of Students (During reporting period)
1	M. Phil	11
2	MBA 1.5 Years (Morning)	54
3	MBA 1.5 Years (Afternoon) (Presently not offered)	-
4	MBA (Morning) (Presently not offered)	-
5	MBA (Evening)	116
6	BBA Hons (Morning)	53
7	BBA Hons (Afternoon)	53
8	PGD (Evening)	32
9	ABM (Evening) (Presently not offered)	-

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

- **Undergraduate and Postgraduate Programmes**
 - BBIT (Hon.)
 - MBIT (via 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. HumaraBano received a Gold Madel 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 & 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 years)
- Master of Science Education (Regular) (1 Year)
- Master of Education (M.Ed.) (Evening) (2 years)
- B.Ed. (Hons) Elementary (4 years)
- B.S.Ed (Hons) (4 years)
- B.Ed (Science) (1 year)
- B.Ed (Secondary) (1 year)
- 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 01-10-2015 to 30-09-2016. During this period 793 students were enrolled in Bachelor degree programmes, 1475 students were enrolled in all master degree programs and 236 students in M.Phil. During this period 1021 completed their Master Degrees, 37 M.Phil and 07 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.

○ **Foreign Academic Linkages**

In progress with 30 different Universities of the world.

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

○ **Undergraduate and Postgraduate Programmes:**

M. Sc. Coal Technology (Morning)

○ **MS and Ph. D. Programmes**

M.Phil Coal Technology (Evening)

○ **Foreign Academic Linkages**

Director of the Centre, Prof. Dr. Shahid Munir is a co-investigator of the International Strategic Partnership in Research Education (INSPIRE) Programme funded by British Council and Higher Education Commission Pakistan to investigate the co-combustion of Pakistani coal with Pakistani biomass.

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**

- Two years four semesters program
- Two semester exclusive course work & Two semester research work
- Lectures, quizzes, labs, presentations & paper are part of course work
- Research thesis, presentations & paper publication (optional) are part of exclusive (both applied & lab nature) projects.
- M.Phil Polymer Technology (Self Supporting Evening Programme) 2 Years



- 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**
 - Department successfully continued M.Phil Polymer Technology Program. This interdisciplinary program is providing education to multiple sector of students regarding Polymer science and engineering.
 - Second Session of Ph.D Polymer Technology is also started and 16 students were taken on board.
 - 23 research papers of Faculty members are published in 2015-16.
 - 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 ResoChem Industries, Lahore
 - UniFoam, Lahore

**DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING**

Telephone (s): +92-042-99232012

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**

- B.Sc. (Engg.) Chemical Engineering
- B.Sc. (Engg.) Chemical Engineering with specialization in Petroleum and Gas Technology

- **MS and PhD Programmes**

- 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. Institutes 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 few MOUs have been signed with different universities at university level, recently 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. Niaz Ahmad Akhtar).



- 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**
 - BSc Industrial Engineering & Management (IEM) (4 years)
 - MSc Quality & Performance Management (Q&PM) (2 years)
- **MS and PhD Programmes**
 - MS Total Quality Management (TQM) (2 years)
 - MS Industrial Engineering & Management (IEM) (2 years)
 - PhD Total Quality Management (TQM) (3 years)
- **Academic Achievements**
 Dr. Ayyaz Ahmad has been awarded Emerald Science award for his PhD thesis for the year 2016.

OFFICE OF RESOURCE, INNOVATION & COMMERCIALIZATION (ORIC)

Telephone (s): +92-42-99237015
 Fax Number (s): +92-42-9231159
 E-mail Address (s): director.oric@pu.edu.pk



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

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

Telephone (s): +92-42-99211607

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

○ **Honours and Awards**

- Dr. Hafsa Nasreen

National Award: 1st Prize in National contest of paper writing on Seerah, entitled: "Contemporary Political Democratic system of Pakistan in the light of Teachings of Prophet Muhammad P.B.U.H." 2015 (Dec), Conducted by Ministry of Religious affairs Govt of Pakistan

- Dr. Muhammad Saadullah

Provincial Award: 1st Prize provincial level in National contest of paper writing on seerah, entitled: "Contemporary Political Democratic system of Pakistan in the light of Teachings of Prophet Muhammad P.B.U.H." 2015 (Dec), 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

○ **Undergraduate and Postgraduate Programmes**

BS Islamic Studies

○ **MS and PhD Programmes**

- M.Phil. Islamic Studies
- Ph.D. Islamic Studies



○ **Academic Achievements**

- 124 students were admitted in BS Islamic Studies and 66 students passed out.
- 30 students were admitted in M.Phil. Islamic Studies and 10 students passed out.
- 15 students took admission in Ph.D. Islamic Studies.
- 04 Ph.D. scholars managed to get the degree of Ph.D Islamic Studies.

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: 23 students completed their degree
- MS Programme in Clinical Psychology: 14 students completed their degree
- MS Programme in Speech Language Pathology: 11
- Advanced Diploma in Clinical Psychology: 20 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.
- Living Institute for Slow Learners, CCP, PU, Lahore
- National Special Education Centre, Government of the Punjab, Lahore.

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 in Molecular Biology
- Ph.D in Molecular Biology

○ **Academic Achievements**

- Thirty-eight M.Phil and four Ph.D degrees were awarded to research scholars.
- 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**

- 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): +92-42-42-99230481

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

○ **Undergraduate and Postgraduate Programmes**

- BS Botany (4-Years) (Morning)
- M.Sc Botany (Morning and Self)

○ **MS and PhD Programmes**

- MS & M.Phil Botany (2-years) (Regular and Replica)
- Ph.D Botany (Regular)
- Ph.D Botany (Non Regular)

○ **Academic Achievements**

- The following session were completed during the said period:

Program	Session	No. of students
BS	2012-16	21
M.Sc.	2014-16	38
MS	2014-16	10
M.Phil	2014-16	09

- The following Ph.D Scholars were 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

○ **Honors and Awards**

Holding workshops, seminars, extension lectures and video conferencing lectures to update students' knowledge is a salient feature of the department.



○ **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**

- BS in Microbiology & Molecular Genetics
- M.Sc in Microbiology & Molecular Genetics

○ **MS/M.Phil & Ph.D Programmes**

- MS/M.Phil in Microbiology & Molecular Genetics
- Ph.D in Microbiology & Molecular Genetics

○ **Academic Achievement**

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

Class	Male	Female	Total
BS Session (2012-16)	03	35	38
M.Sc Session (2014-16)	00	34	34
Total			72

- Number of students passed out during period MS/M.Phil and Ph.D

Class	Male	Female	Total
MS Session (2014-16)	04	10	14
M.Phil Session (2014-16)	01	11	12
Ph.D Session (2015)	01	09	10
Ph.D Session (2016)	02	05	07
Total			43

○ **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

- Dr. Imran Sajid awarded ASMCUE for attended ASMCUE-2015 for Leadership Program for International Microbiology Educators Organized by American Society for Microbiology (ASM), on 28-31 May, 2015 at Austin, Taxes, USA.
- 2ND Prize on Research Poster Presentation. Naima Khan, Rida Batool, Nazia Jamil, 2015. Effect of Zinc Solubilizing Bacteria on Growth of *Zea mays* and *Penicium miliaceum* Plants. 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015.
- Dr. Nousheen Zaidi was awarded Visiting Researcher Fellowship awarded by German Academic Exchange Service (DAAD) under Re-Invitation Programme for Former Scholarship Holders 2015.
- Dr. Abdul Rehman awarded “Research Productivity Award” for the year of 2015-16 from Pakistan Council for Science and Technology (PCST), Islamabad.
- Dr Mehboob Ahmed awarded Erasmus Mundus Action 2, Experts Sustain, Academic Exchange Award, for one month stay, academic/research interaction at Department of Chemistry Angstorm –Microbial Chemistry, Uppsala University, Sweden (01 – 31 October 2015).
- Dr Mehboob AHmed awarded ASMCUE Leadership Grant for International Educators for ASM Conference For Undergraduate Educators (ASMCUE)” by American Society for Microbiology (ASM) at Bethesda, Maryland, USA 21-24 July 2016

○ Institutional Linkages

- International
 - Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA.
 - Prof. Dr Peter Lindblad, Department of Chemistry Angstorm –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**
 - BS in Physical Education (4 years Degree Program)
 - M.Sc in Physical Education
- **MS and PhD Programmes**
 - M. Phil in Sports Science & Physical Education

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**
 - BS in Zoology (4 years Degree Program)
 - M.Sc. in Zoology
- **MS and PhD Programmes**
 - MS/M.Phil in Zoology (Regular and Self Supporting, 2-years)
 - M.Phil in Zoology for Professionals (In-Service Program)
 - Ph.D in Zoology



○ **Academic Achievements**

- One hundred sixty eight (168) Ph.D. degrees have been awarded by this Department upto 2016.

○ **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
 - Was awarded Research Productivity Award (Category C) for the year of 2015-16 by Pakistan Council for Science and Technology (PCST) with honorarium amount Rs. 57,060.
 - Incentive award



- Prof. Dr. Muhammad Naeem Khan
 - 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. Nabila Roohi
 - Research Productivity Award, Pakistan Council for Science and Technology, 2016
 - 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. Zulfiqar Ali
 - 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 Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.
 - Examiner for B.Sc., M.Sc. Practical Examination.
- 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, old Ph.D. Scheme admission Committee (Session 2014-onward)
 - 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 166 students to BS (Hons.), 69 to M.Sc. (Hons.) and 15 to Ph.D. program were admitted. Since the establishment of the institute, ten batches of BS (Hons.) 4-year program, ten batches of M.Sc. (Hons.) and three Ph.D. 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 136 books, 16 research journals, 9 newsletters, 142 reports and 80 theses were added in the library of the institute. The First Fungal Culture Bank of Pakistan has isolated, purified and conserved 51 fungal and 60 bacterial species 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
Honorary 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, by the Pakistan Council for Science and Technology (PCST)
 - Performance evaluation award received in 2015-16 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, Sheikhpura
- 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, Harripur.
- 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.

▪ **Structural Equation Modeling (SEM) Workshop:**

A three days' workshop on SEM was organized for MPhil, MS Health and PhD scholars from 27th to 30th July 2015. Ms. Zaeema Farooq 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 research.



- Extension Lecture on Leadership Skills:

Dr. Saima Ghazal arranged a lecture on Leadership skills for the students of MSc. Organizational Psychology at the Institute of Applied Psychology on October 1st, 2015. The resource person was Engineer Safdar Mehmood Tahir, an international trainer and speaker of Organizational Psychology. He 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 Thesis Writing Skills:

A workshop on Thesis Writing was conducted on 14th October 2015 for the students of MSc. Semester III (Morning & Replica) and BS VII. The primary purpose of the workshop was to enlighten students regarding the guidelines necessary for writing a comprehensive research thesis. The workshop provided an opportunity to the attendees to further their understanding about the intricacies in conducting research and improve their writing style.

- Lecture on Social Entrepreneurship in Pakistan:

On 6th November 2015, Dr. Saima Ghazal arranged a lecture on "Social Entrepreneurship in Pakistan" for the students of MSc. (Morning & Replica) and BS specializing in the field of Organizational Psychology. This lecture was conducted by Mr. Muhammad Siddique, Founder Pakistan Social Entrepreneurship Academy (PSEA). Queries of the students were answered at the end of the lecture to enhance their understanding of the topic.

- Seminar on HR Practices in Pakistani Industry:

On 23rd November 2015, Dr. Saima Ghazal arranged a seminar on "HR Practices in Pakistani Industry" for the students of M.Sc (Morning & Replica) and BS specializing in the field of Organizational Psychology. This lecture was conducted by Mr. Qazi Hassan Manzoor an eminent expert of the field. Queries of the students were answered at the end of the lecture to enhance their understanding of the topic.

- Workshop on Professional Development in Academia:

A five days workshop was organized on "The Professional Development in Academia" from 2nd to 6th May 2016. Dr. Mujeeba Ashraf was the coordinator for the workshop while Dr. Saima Noreen, Lecturer, Goldsmiths, University of London, conducted the workshop for M.Phil and P.hD scholars. The workshop provided students with an excellent opportunity to enhance their conceptual and practical knowledge in order to develop their academic and professional skill.

- Lecture on Linking Academia with Industry:

On 2nd May 2016, Dr. Saima Ghazal arranged a lecture on "Linking Academia with Industry: How to Make I/O Psychology More of Industry's Need Based" for the students of MSc. (Morning & Replica) and BS specializing in the field of Organizational Psychology. The lecture was conducted by Mr. Shaoib Ahmad, General Manager Engro Foods Ltd. After an interactive discussion, it was proposed that a committee needs to be formed which can help in developing these linkages.



- Workshop on Writing Case Reports:

On 5th May 2016, Dr. Saima Ghazal arranged a workshop on "Writing Case Reports: Merging I/O More with OB" for the students of MSc (Morning & Replica) and BS specializing in the field of Organizational Psychology. The lecture was conducted by Dr. Zehra Waheed, Assistant Professor LUMS. After an interactive discussion on the topic, she closed the talk by taking queries from the students.

- Lecture on Scope of Industrial Psychology in Pakistan:

On 11th May 2016, Dr. Saima Ghazal arranged a lecture on "Scope of Industrial Psychology in Pakistan" for the students of MSc. (Morning & Replica) and BS specializing in the field of Organizational Psychology. The lecture was conducted by Dr. Maqbool Babri, CEO "The Konsultants". After an interactive discussion on the topic, he closed the talk by taking queries from the students.

- Lecture on Sports Psychology:

On 23rd May 2016, Ms. Shahnaila Tariq arranged a lecture on "Sports Psychology" for the students of BS II (Morning & Replica). The lecture was conducted by Mr. Muneeb Ul Haq, M.Phil Scholar and Punjab University Sportsman. After an interactive discussion on the topic, he closed the talk by taking queries from the students.

- Reference of Prof. Dr. Hamid Sheikh:

One of the Eminent Psychologist and Former Chairperson of Department of Applied Psychology, Prof. Dr. Hamid Sheikh departed from us on 27th December 2015. The Institute arranged a reference to commemorate his contributions in the field of Psychology. The reference was attended by a large number of senior professionals from the field of Psychology.

- Walk in Solidarity with Bacha Khan University Victims and Survivors:

January 20, 2016 is another Black day in the history of our beloved homeland when almost 22 students and teachers were brutally slaughtered by terrorists at Bacha Khan University, Charsadda. To commemorate the irrevocable grief of the incident and to honor the loss of lives, on January 25, 2016, a peaceful walk was organized in which the faculty and students of IAP showed their solidarity with the families of the deceased. The participants were holding placards displaying their heart rending messages for the martyrs.

- Students Annual Dinner:

Students Annual Dinner and Welcome Party of the Institute of Applied Psychology was held on 16th November, 2015. The event was attended by the Director, Prof. Dr. Rukhsana Kausar and the faculty members, assisting staff and students of the institute. The students presented a colorful entertainment programme including skits, songs and mimes. The parody comedy show *Hasbe-e-Hall* by Vicar Solomon was found to be hilarious. The play *Modern Heer Ranjha* depicted the smart phone addiction in an effective manner and received the audience's applause. The comic Qawali also triggered a lot of laughter. *Student's Adalat* was presented which taught a lesson in



importance of adhering to rules. The Director praised the organizing committee for their strenuous efforts, applauded the passion of participating students and conveyed best wishes to everyone. An appetizing dinner was served at the end.

- **Participation in Invention-to-Innovation Fair:**

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..

- **Dengue Day**

In connection with Punjab Government's awareness campaigns regarding dengue fever, Institute of Applied Psychology celebrated Dengue Day. It started with a round of Institute's premises, followed by an awareness lecture delivered by Director, Institute of Applied Psychology, Prof. Dr. Rukhsana Kausar, regarding the nature and symptoms of the dengue fever and precautionary measures to deal with it. All faculty members and assisting staff attended the lecture and learned the valuable information.

- **23rd March Commemoration Ceremony:**

On March 23, 2016, Institute of Applied Psychology commemorated the efforts of our national leaders, for all those who had put their utmost to strive to have a separate homeland and for the ones who had sacrificed their lives to make it possible for our nation to enjoy and live their lives according to their ideology in a free land. The atmosphere was filled with patriotism, enthusiasm and a spirit of nationhood. Students delivered impressive speeches, sang national songs, performed skits, organized a quiz and received prizes. The program was summed up in patriotic words of Director IAP and CCP Prof. Dr. Rukhsana Kausar.

- **Extra-curricular activities:**

We believe that participation in extracurricular activities is equally important for young students to develop as a physically and psychologically healthy individual. A team of advisory committee comprising of enthusiastic faculty members prepares annual calendar for extra-curricular activities and ensures students' participation in organizing, taking responsibility and participation in such activities. Moreover, students of the institute actively participated and won awards in various extracurricular activities such as sports and project competition and made Institute proud with their achievements as always.

- **Annual Mehfil-e-Milad:**

Annual Mehfil-e-milad was held at the IAP on January 12th, 2016 to observe the auspicious event of 12th Rabi-ul Awwal. The event started with Quran khawani and proceeded by naats 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.



- **Annual Sports Day:**

On 16th March, 2016, the Institute of Applied Psychology held its annual sports day and the event was inaugurated by Ms. Shamsa Hashmi Director Sports Department Punjab University and the Director, IAP Prof. Dr. Rukhsana Kausar along with the faculty members. Despite the heavy rains the night before, the organizing committee of students and faculty did a splendid job on arranging and decorating the whole area with colorful banners and various stalls. The event initiated with the Director's note praising the efforts of the committees and further appreciating the vigor of participating students in extracurricular activities. The girls displayed their aerobic skills. Different games competitions such as races, badminton matches, chess, ludo, football and cricket matches were held among the Institute's students and staff. Lunch was also served. Mr. Babar Ali Khan (Pakistan's First Olympic Boxer) and Mr. Zulfiqar Ali Khan (Pakistan's First Archer at Asian & Olympic level) were the guests for closing session. They distributed prizes among the winners of all the competitions and spoke about the success of the whole event and applauded the fervor and passion of the students. Students were overjoyed to receive trophies and medals. In the end, Prof. Dr. Rukhsana Kausar delivered note of thanks for the presence of the guests.

- **Anti-corruption Day:**

In connection with National Accountability Bureau's Anti- Corruption week celebrations (7th to 11th December 2015). The Institute of Applied Psychology organized Poster Competition for the purpose of spreading public awareness on different aspects of corruption in which a large number of students participated enthusiastically. In the end, the certificates were distributed among winners and participants by worthy director IAP and CCP Prof. Dr. Rukhsana Kausar.

- **Five Day Study Tour**

A long tour to Khanaspur was arranged by the Institute of Applied Psychology from 2nd August to 6th August, 2016. In the supervision of Ms. Shahnaila Tariq and Dr. Naumana Amjad, about 80 students set off in three buses on 2nd August at 7:00 am.

- **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**

- Institute of Applied Psychology in collaboration with Department of Islamic Studies held a speech competition on Seerat un Nabi (S.A.W) on 2nd December 2015 in which a large number of students participated among whom Zikariya Hashmi (BS-V) and Sehrish Rani (BS-III) secured 1st position. Mehak Azam (BS-III) stood second and Syeda Fizzah Batool (M.S.c-I Morning) stood third.



- Ms. Ishrat Fatima (MSc. IV Morning) was selected on the Youth Forum of University of the Punjab as a president of Gilgat Baltistan Council and Executive member of Pakistan National Youth Assembly.
- Ms. Mehak Azam (BS-III) participated in Inter-departmental Arfana/Sufiana Kalaam singing competition of Punjab University held at Al-Raazi Hall and was awarded a consolation prize. She has also recently attended the All Pakistan Bilingual Declamation Contest 2015.
- Asmah Gul Chaudhry (BS-III) is currently working as a volunteer in ECLO Child Labor Association and also attends sessions conducted by NOP reading child labor issues. She has also recently attended various conferences held under YCL Community Center. "Muslim glory" and "change begins with you" at Institute of Chemical Engineering and Technology, University of the Punjab and has also attended and participated in autism awareness campaigns and funfairs. Recently, an event was covered by her team "impact photography" fashion ramp by largess (Zara Ahmed and Mamoon) at Faletti's hotel where she is working as a co-photographer. She has also worked as a Photographer in Media Ray.
- Sumaira Inayat (BS-III) participated in LUMS football tournament. She bagged the first position in Badminton and was a runner up in the Football competition held as a part of the Irfan Gold Cup Tournament held at Superior University.
- Zikariya Hashmi (BS-V) recently served as an ambassador of Punjab University for IYLC, an international youth conference for students focusing on prevalent social issues. He also participated in the Jashn-e-Baharan Festival, organized by the Chief Minister Youth Mobilization. Furthermore, he worked in the capacity of a social media in charge for YouthCon, a youth conference organized by National Student Council in which different motivational lectures focusing on entrepreneurship were delivered by the attendees. Zikariya was also selected as Head of National Student Council (Lahore Chapter). In addition, he actively participated in campaigns initiated by various volunteering and fundraising organizations such as Al-Khidmat Foundation which focuses on orphans, youth and educational sector. He is currently an organizer in BEYDAR's Ramadan Drive in which funds were raised for the distribution of iftar ration packs iftar for needy people in jails and orphanages.
- Safoora Anwar (BS VI) is currently working as a facilitator for Pehchan organization. She has trained more than 400 students under the banner of this organization at university and marginalized levels.
- Aqsa Iftikhar (BS VI) is currently working as an event organizer for Pehchan organization. She has also volunteered for (TACS) Take a Child to School Program under which she has undertaken the responsibility to enroll a child in school and bear his expenses.
- Aroosa Musadiq and Wajeeha Sajjad from MSc. IV (Replica) attended a three day training workshop from 26th to 28th January, 2016. The workshop was conducted by Young Blood Foundation (YBF) and Aghaz-e-Nau. The training sessions included an explication of drug addiction, consequent behavior as well as drug abuse prevention programs. It provided an interactive opportunity for the students gain a thorough understanding of the disorder and its symptom alleviation.



- Ayesha Abdul Khaliq of MS Health worked as an event organizer during the 3rd Jashan e Baharan Festival 2016, organized by CMYMC (Chief Minister Youth Mobilization Conference). Rana Mashood Ahmad granting the certificate of appreciation for organizing many different programs of CMYMC.
- Marriyam Khalid of MSc. II (Replica) participated in 12th Youthcon Youth Conference conducted by National Student Council held on 11-12th April 2016. The conference comprised of different informational sessions on motivation and entrepreneurship. It was attended by numerous delegates belonging to various institutions of Pakistan.

○ **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 2015-16 385 students in BS Biochemistry/ BS Biotechnology and M. Sc. Biochemistry/ M. Sc. Biotechnology 2015-16 69 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 2015-16, the number of students was admitted in MS Biochemistry/MS Biotechnology degree program is 71 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	
Mr. Tanveer Khalid	Ms. Mumayyiza Tahir	
Ms. Neelam Saba	Ms. Haseeb Nisar	
Ms. Madeeha Khalid	Ms. Asma Noreen	
Ms. Kiran Butt	Ms. Burarah Arooj	
Mr. Khuram Shehzad	Ms. Ammarah Fateen	
Ms. Hina Ejaz	Ms. Basirat Jabbar	
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, nine Assistant Professors, five 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, 135 research 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 ninth batch of the students have just finished their comprehensive examination and International GRE. The tenth batch is in the initial stages of their course work.

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	Genetics of dwarfism and skeletal dysplasia.	Dr. Outi Makitie, University of Helsinki, Finland	Diagnosis

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 for the year 2015-16.



○ **Academic Achievements**

28 M.Phil and 10 Ph.D students are enrolled to pursue their degrees.

○ **Honours and Awards**

Won three technology awards in the 5th Inventions to Innovation Summit 2016 held at university of the Punjab Lahore on March 02-03, 2016.

○ **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 7 students enrolled in the 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**

13 Students are admitted in M.A Kashmiryat Part-I

○ **Academic Achievements**

One Day Tour to Islamabad.

○ **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)
- 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**

26 students are admitted in M.A Persian Part-I for the Year 2015

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

○ **MS and Ph.D Programs**

20 students are admitted in M.Phil Persian (Fall Session) in 2015

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

06 Students are admitted in Ph.D Persian (Fall Session) in 2016

○ **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, Mashhad, 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
- Tajikistan National University, Tajikistan

○ **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-Mudaris 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-Mudaris 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**
 14 students were admitted in M.A Punjabi Part-I for the Year 2015-16
- **M.Phil /Ph.D Programs**
 15 M.Phil student were admitted
- **Academic Achievements**
 - Ph.D Degree award to 4 students
 - 8 students passed in M.Phil
 - 23 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**
 70 students are admitted in M.A Urdu Part-I for the Year 2015
- **MS and Ph.D Programs (For the year 2015-16)**
 35 students are admitted in M.Phil Urdu in 2015
 16 students are admitted in Ph.D Urdu in 2015



○ **Academic Achievements**

- The Department of Urdu has produced Semester System one year Program of Diploma & Certificate in Urdu and 07 students were admitted in the year to 2015-16.
- Department of Urdu conducting Weekly Literary Session in which National & International critics, poets and writers are invited.

○ **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.
- At present 901 students are studying in different disciplines
(M.A 166 + M.Phil 87 + Ph.D 39 + Diploma in Languages 230 = 522)
- 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 one of eminent and the oldest professional institution in Pakistan. The Mission of the College is to provide high quality 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 creates 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 the Pharmacy Act 1976.

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 of Pakistan.

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 locally manufactured equipments. This section is being further developed depending the national needs.

To provide better research opportunities, the College library is well stocked with textbooks, reference books and scientific research journals in various disciplines of Pharmaceutical Sciences. A facility of computer lab and Internet is also provided to the students.

At present, there are about 1299 students studying in various classes of the University College of Pharmacy. Additionally number of 217 students are studying in postgraduate class of M. Phil Part-I & II (Pharmacy). Therefore a number of 110 new books have added in our library.

○ **Undergraduate and Postgraduate Programmes**

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

- Pharm D Morning Session
- Pharm D Evening Session

○ **M.Phil and PhD Programmes**

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

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy

○ **Foreign Academic Linkages**

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



- **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**

Overview of 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	2015-16
Number of faculty members	13
Number of books & Journal	4227
Number of M.Phil. students enrolled	106
Number of Ph.D. students enrolled:	23
Number of students completing M.Phil.	42
Number of students completing Ph.D.	1



- **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
- **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 28 and 08 students respectively thus a sum of 36 students are enrolled for year 2015-2016. The total numbers of student who have completed their Masteral degree in period are 17.
- **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

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 (Morning and Evening)
- Common courses for BS (4 Years) Physics

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Telephone (s): +92-042-99233121
Fax Number (s): +92-042-99233120
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)



○ **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 and Tourism and Hospitality Management. Presently, CEES has enrolment of about 580 Students in various disciplines during the academic session 2015-2016. Approximately 07 PhD, 170 MS/ M.Phil. and BS / M.Sc. students qualified the degree in respective disciplines during the academic session 2015-2016. Moreover the faculty members of the CEES have published more than 50 Research publications in the national / international journals of repute during the academic year and carried out number of research projects funded by the University of the Punjab, Lahore under Annual Research Project Grants.

○ **Institutional Linkages**

- PCRET, Pakistan
- Pakistan Meteorological Department
- Ministry of Climate Change
- WAPDA
- Soil Survey of Pakistan
- Indus Consortium
- With WWF (Pakistan)
- Bulleh Shah Packages
- Waste Busters

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

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

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 4Year, 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**

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**

The Institute of Geology enrolled 102 students in BS Applied Geology (04 years) First Professional, Morning & Replica, while 35 students in M.Phil Applied Geology and 02 students admitted in Ph.D. Applied Geology degree programs.



○ **M.Phil/PhD Programs**

Presently the Institute of Geology is running following M.Phil. / PhD programs with total strength of 81 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, 16 BS (Hons)/M.Sc, 07 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 19 M. Phil students and 04 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.), 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
- BSIT, 4 Year Programme
- M.Sc. IT, 2 Year Programme
- LL.B, 3 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 five departments at University of the Punjab JHELMUM 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 2015-16, 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	South Asia Regional & Global Issues.	2015

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

1	South Asian Chair Academic Research	Mr. Piotr Baleviouz	15-10-15
2	Peace Building and Conflict Management Measures: A Comparative Study between Pakistan & Sri lanka.	Ms. Ammara Farooq Malik	10-11-15
3	Peace Building and Conflict Management Measures: A Comparative Study between Pakistan & Sri lanka.	Ms. Ammara Farooq Malik	16-11-15
4	Delegation Visit.	Sri Lankan & Japanese Ambassadors	21-11-15



5	Strategic Leadership: A key to Success.	Anil Kumar Shastri	23-11-15
6	Challenges of Peace Building in South Asia. (A National Conference).	Mr. Khurshid Mehmud Kasuri Mr. Mansoor A. Kundi Papers Presented=23	26-11-15
7	In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar.	Major (R) Zulfiqar Ali Chauhan Dr. Abdul Majid	14-12-15
8	Quiz: In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar.	Dr. Naheed S. Goraya	15-12-15
9	Discussion Session: In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar.	Mrs. Mariam Kamal	17-12-15
10	Debates: In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar.	Mr. Mir Waheed Akhlaq	18-12-15

○ **Research Journals 2015-2016** (Authors name, Article name, Journal with date)

▪ Journal of South Asian Studies Vol. 30 No.1 (January –June 2015)

Sr. No.	Name of Author	Title of Paper/Article
1	Muhammad Iqbal Chawla	Sufism and Sufi Practices in Pakistan: A Case Study of Notan Wali Sarkar (1917-1994)
2	Iram Khalid	The Homeland Security Initiatives for Pakistan: A Grand Strategy.
3	Abdul Majid	Peace in Sri Lanka.
4	Musarat Javed Cheema	Pakistan- India Conflict with Special Reference to Kashmir.
5	Ahmed Usman	Elimination of Bonded Labour in South Asia: The Process Patronage and Labourers....
6	David Lal	Issues of Under- Representation: Mapping Women in Indian Politics.
7	M. Rizwanullasan	Economic Intergration: An Analysis of Major SAARC Counties.
8	Human Rehman	Role of Microfinance Institutions in Women Empowerment...
9	Prof. Dr. Umbreen Javaid	Oil and Gas Potentials of Central Asian Republics and Relations...
10	Nausheen Mazhar	Socio-political impacts of Meteorological Droughts and their spatial...



11	Muhammad Nadeen Anwar	Critical Discourse Analysis of Quaid-e-Azam Muhammad Ali Jinnah...
12	Prof. Dr. Umbreen Javaid	Corruption Pervades Poverty: A perspective of Developing Countries.
13	Shagufta Bano	Curbing Extremism through Sufism: A South Asian Perspective.
14	Aamer Taj	The Dynamics of International Political Economy Relationships...
15	Iram Khalid	Pakistan's Nuclear Development (1947-98): External Pressures.
16	Muhammad Sultan Shah	The Mystics of Sial Sharif as opponents of British Rule in India.
17	Muhammad Javaid Iqbal	ILO Conventions and Gender Dimensions of Labour Laws in Pakistan.
18	Zahid Shahab Ahmed	Conflict or Cooperation? The Role of India and Pakistan...
19	Ahmad Raza Khan	Impediments to the Success of SAARC.
20	Maria Isabel Maldonado Gracia	The Text of the Memorandum 'Sikhs and the new constitution of India...
21	Rehana Saeed Hashmi	Politics of Ethnicity: A theoretical perspective.

▪ Journal of South Asian Studies Vol. 30 No. 2 (July - December 2015)

Sr.No.	Name of Author	Title of Paper/Article
1	Jin –wan Seo	Where are E-Governments in South Asian Countries? A comparative...
2	Syed Hussain Shaheed Soherwordi	Structuralism and the Indo-Pak Rivalry: Responsible...
3	Prof. Dr. Umbreen Javaid	Monitoring the Democratic Transition: Pakistan's 2013 Elections.
4	Qamar Fatima	The Political and Economic Significance of Indian Ocean: An Analysis.
5	Prof. Dr. Umbreen Javaid	Balochistan: A Key Factor in Global Politics.
6	Abdul Majid	Indian Secularism and Religious Minorities in India.
7	Muhammad Iqbal Chawla	Intellectual Resistance to Extremism in Pakistan: A Historical Discourse...
8	Muhammad Saleem Mazhar	Issues of Good Governance in South Asia.
9	Sofia Naveed	Causes of Consequences of Child Marriages in South Asia...



10	Mahboob Hussian	Power Dynamics of State Institutions in Pakistan, Discourse...
11	Mubeen Adnan	Strategic and Economic Interests of Pakistan and India in Central Asia.
12	Arfan Latif, Jafar Riaz Kataria	Female Political Participation in South Asia: A Case study of Pakistan.
13	Azhar Rashid	Challenges and Opportunities of Globalization for the Development...
14	Shahida Aman	A Historical Analysis of Trends in Pakhtun Ethno-Nationalism.
15	Zahid Ali Khan	New Trends in Sino-Pak Defence and Strategic Relations since 9/11...
16	Tahir Mahmood	A comparative Analysis of the Functioning of the senate in USA and ...
17	Muhammad Nasir	Street Children Phenomenon: A great loss of Human potential
18	Amir Saeed	Impact of Globalization and the Role of International Agencies....
19	Rizwan Naseer	Sino-Pakistan Maneuvering of to Balance the Power in South Asia.
20	Iram Khalid	National Security and the essence of Urban security in Post 9/11...
21	Khurshid Alam	Hetroglossia, Language and Identity in Twilight in Dehli.
22	Salma Khatoon	Dislocation of South Asian Families in a Foreign Land....
23	Nabeel Sabir Khan	Speak Pakistan: Challenges in Developing Pakistan sign language...
24	Nabila Asghar	Institutional Quality and Economic Growth: Panel ARDL Analysis for selected developing economic of Asia.
25	Ayesha Karamat	Emerging Role of Social Media in Political Activism: Perceptions and Practices.

▪ Journal of Indian Studies Vol. 1 No.1 (January - June 2015)

Sr.No.	Name of Author	Title of Paper/Article
1	Alina Hussain	Indian Coercive Diplomacy Towards Pakistan in 21 st Century.
2	Shoukat Ali	Importance and Implications of CPEC in South Asia: The Indian Factor.
3	Sadia Gondal	The Dowry System in India- Problem of Dowry Deaths.
4	Munawar Sabir	Contextual Analysis of Demographic Trends in the Sub-Continent and Pakistan.



- Journal of Indian Studies Vol. 1 No.2 (July - December 2015)

Sr.No.	Name of Author	Title of Paper/Article
1	Nabeela Akbar	Socio-Cultural and Economic impact of Central Asian Muslim rulers in Sub-Continent (India).
2	Muhammad Sohail	Trajectory of Aam Aadmi Party of India: An Overview.
3	Shoukat Ali	Democracy in South Asia: A Comparative Analysis of democracy in Pakistan and India.
4	Muhammad Adnan Bashir	SAARC and Regional Integration.

DEPARTMENT OF ARCHAEOLOGY

○ **Publications:** Books/Edited

- Tauqeer Ahmad "The Origin of Tomb Architecture in Indian Subcontinent", *Pakistan Heritage*, Research Journal of Archaeology, Hazara University, Mansehra, Vol. 7, 2015.
- Tauqeer Ahmad "Gandhara Art: An Appraisal", *Pakistan Vision*, Pakistan Study Center, University of the Punjab, Vol.16, No. 2, December 2015.
- Tauqeer Ahmad Mughal-Sikh Relations: Revisited, *Journal of Research Society of Pakistan*, University of the Punjab, Vol.52, No.2, July - December 2015.
- Tauqeer Ahmad Major Forms of Architecture in Ancient Pakistan as Depicted in Gandhara Art, *Journal of Research Society of Pakistan*, University of the Punjab, Vol.52, No.2, July December 2015.

Dr. Muhammad Hameed

- Hindu Diptych Type Portable Shrines from Gandhara and Kashmir: An Introduction. *Pakistan Heritage* Vol. 7. 2015.
- Scythian Art in Gandhara: A Case Study of the so-called Gold Girdle from Pattan (Kohistan)" "In: *Pakistan Archaeology. Vol. XXVI. 2015. 73-95.*

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

● **Publications**

- Dr Aamir Aziz
(Published) Aamir Aziz (2016). "Using the Past to Intervene in the Present: Spectacular Framing in Arthur Miller's *The Crucible*." *New Theatre Quarterly*, 32.2, pp 169-180. doi:10.1017/S0266464X16000063.
- Dr. Rizwan Akhtar
Published three poems "Between Leaves", "On Discovering an Old Letter", and "Window-Reading" in US magazine *Illumin*, Alban Lake Publications, Autumn 2015.
- Mr. Khurshid Alam



- Published a research paper titled “Private Space as site of Anti-Colonial Imagination: A Critical Study of Twilight in Delhi” in Journal of Research and Humanities, Department of English, University of the Punjab. Vol LII, January 2016.
- Published “Hetroglossia, Language and Identity in Twilight in Delhi” in Journal of South Asian Studies, University of the Punjab, Lahore, Vol.30, No.2. July to December 2015.
- Published “Plato’s Ontology and Hali’s Teleology: The Construction of the Muslim Identity in Muqaddama-e-Sher-o-Shairi in Bazyaft, a bilingual journal of Urdu Department, Punjab University, Lahore. Vol.28. January-June 2016.

Research papers presented at Conferences

- Mrs. Iffat Sayeed
Presented a paper “Secular and Sacred” at Global Conference, ICS, PU Lahore held at Avari Hotel on November 3-6, 2015.
- Dr. Rizwan Akhtar
Presented a paper “The Postcolonial Condition and Aesthetic Autonomy: The Resistant Circumference of the Postcolonial Novel” at the International Conference on Presumed Autonomy: Literature and the Art in Theory and Practice held in Stockholm, Sweden on May 10-13, 2016.
- Mr. Shahzeb Khan
 - Presented a paper titled “Pedagogy of Alienation: Epistemic Hegemony of the Mental Space and Fatal Fault lines in the National Space at the 16th Annual South Asian Literary Association Conference. Austen, Texas, USA on January 5-6, 2016.
 - Presented a paper titled “Re-Philosophizing English Literary Studies in National Seminar of Interdisciplinary Role of Philosophy, GCU, Lahore on April 20, 2016.
- Dr. Aamir Aziz
Presented a paper titled “Representation of the Salem Processes (1692) in Theatre: Juxtaposing the Facts with Fiction in Arthur Miller’s The Crucible” at the 6th International Conference on the Synthesis of Fictional and Factional in Literature and Art. Federal University of Kazan, Russia, May 3-7, 2016.
- **Conferences, Seminars, Workshops etc.**
 - Dr. Amra Raza, Chairperson Department of English
 - *International*. Chaired the Session: Pakistani Narratives in English in the First International Conference on Pakistani Writing in English 2016, at Hladia Hall, Kinnaird College for Women, Lahore on February 18, 2016.
 - *National*. Chaired the Session: *Representation and Cultural Narratives* at the 4th Annual Social Sciences Conference held on 17th -18th March, 2016, at Lahore School of Economics, Burki Road, Lahore.



- *National*. Resource Person in recognition of attending the seminar on “Trends in Literature and Linguistics held on 7th April, 2016 at University of Education Bank Road, Campus, Lahore in collaboration with Punjab Higher Education Commission.
- *National*. Resource Person to speak on “Exploring Spatiality in Pakistani Poetry in English” in a seminar titled “Trends in Literature and Linguistics” held on 7th April, 2016 at University of Education Bank Road, Campus, Lahore in collaboration with Punjab Higher Education Commission.
- Hosted Internationally acclaimed author Musharaf Ali Farooqi’s talk on his novel “Between Clay and Dust” on April 20, 2016 held in the Department of English, University of the Punjab Lahore.
- Hosted Seminar on Quantum Physics and Philosophy, science and spirituality held in the Department of English, University of the Punjab Lahore, April, 2016.
- Seerat Un Nabi Seminar hosted by Character Building Society, held on Department of English, University of the Punjab, January 11, 2016.
- Character Building Society launched a cleanliness Campaign on December 04, 2015, Department of English, University of the Punjab, Lahore.
- Character Building Society organized APS Memorial on December 17th, 2015.
- Participated in Model Town ladies Club Charity Cultural Festival and students submitted Rs. 15,700 to Ganj Baksh Hospital Trust and Al Bari Foundation.
- Organized and participated in Breast Cancer Awareness Campaign Day on November 21st, 2015.
- Organized Women’s Day Celebrations in December, 2015 at Department of English, University of the Punjab, Lahore.
- Head first Annual Sports Day at Department of English, University of the Punjab, Lahore on March 16, 2016.
- Hosted World Poetry Day Celebrations on March 21st, 2016 at Department of English, University of the Punjab, Lahore.
- Organized Dramatic Performances to celebrate William Shakespeare’s Birthday on April 21, 2016 at Department of English, University of the Punjab, Lahore.
- Organized Positive Pakistan Image Promotion with the collaborate of Shield Pakistan on March 24, 2016 at Department of English, University of the Punjab, Lahore.
- Organized One Day National Theatre Workshop on April 16, 2016 conducted by Usman Zia renown theatre artist at Department of English, University of the Punjab, Lahore.
- Mrs. Iffat Sayeed
Post 9/11 Literary sensibility: Series of Literary Seminars, Islamia College (W) Cooper Road Lahore, January 2016.



- Dr. Aamir Aziz
(2016) Oral Presentation: “Representation of the Salem Processes (1692) in Theatre: Juxtaposing the Facts with Fiction in Arthur Miller’s *The Crucible*.” The Synthesis of Fictional and Factual in Literature and Art: 6th International Conference Federal University of Kazan, Russia, 3-7 May, 2016
- Ms. Ayesha F. Barque
Attended the 1st International Conference on Pakistani Writings in English at Kinnaird College for Women University, Lahore on February 16-18, 2016 and presented the following research papers:
- Mr. Shahzeb Khan
Presented “Locating Ourselves in Philosophy of Literature and Literature of Philosophy at the Department of Philosophy and Interdisciplinary Studies, GCU, Lahore on December 18, 2015.
- **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 and 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.

• Publications

- Prof. Dr. Muhammad Iqbal Chawla
- Dr. Mahboob Hussain
- Dr. Faraz Anjum
- Dr. Rukhsana Iftikhar
- Dr. Naumana Kiran
- Dr. Maqbool Ahmad Awan
- Dr. Robina Shoeb
- Dr. Muhammad Abrar Ahmad
- 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

- (2016) "Pakistan-China Relations from Distant Past to the Present: A History of the Silk Route" *Journal of Political Studies, Vol. 23, Issue - 2, 2016, pp. 561:570*
- (2016) "Can the Principle of Coexistence between India and Pakistan Help to Achieve Peace and Prosperity in the region?", *Journal of the Research Society of Pakistan, University of the Punjab, Lahore. Vol. 53, No.2, July-December, 2016. pp. 208-219.*
- (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*



- (2016) "Comparative study of two progressive contemporary Muslims scholars: Abdessalam Yassine and Parvez" *A Research Journal of South Asian Studies*, University of the Punjab, Lahore, Vol. 31, No. 1, January – June 2016, pp.7 – 20.
- (2015) "Mughal - Sikh Relations: Revisited" *Journal of the Research Society of Pakistan*, University of the Punjab, Lahore. Vol. 52, No.2, July-December 2015. pp. 165-181
- Dr. Mahboob Hussain
 - 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

Urban Formation and Cultural Transformation in Mughal India
- Dr. Naumana Kiran
 - Power and Politics in Sindh: Role of the Federal Cabinet of Pakistan, 1947-1955," International Conference on Sindh: History and Culture, 23-25 November 2015, Shah Abdul Latif University, Khairpur, Sindh. 12. "Centre-Province Relations: A Study of Federal Cabinet's Policy towards East Bengal/East Pakistan, 1947-1958,"
 - 25th International Pakistan History Conference on „Trends in South Asian History," 19-21 January 2016, University of Karachi, Karachi. 13. "Punjab Migration 1947: Violence against Muslim Women and Settlement," 21st Biennial Conference of Asian Studies Association of Australia, 5-7 July 2016, Australian National University, Canberra, Australia.
- **Book Published**

The Federal Cabinet of Pakistan: Formation and Working (Karachi: Oxford University Press 2016.

- Dr. Maqbool Ahmad Awan
 - Dictating Intellectual Climate of Muslim Nationalism in India. A Case Study of Choudhary Rahmat Ali.
 - Geostrategic and Geopolitical Interests of Super Powers: Indo – Pak Animosities: Revisited.
 - Pakistan India Security Concerns: he role of Superpowers, A Historical Review
- Dr. Robina shoeb

Poverty and International Development Partners in Punjab: An Appraisal (1999-2006), Journal of the Punjab University Historical Society (Vol. 28, No. 2, Dec. 2015)
- Dr. Muhammad Abrar Ahmad
 - "Hypothetical Political System of Martial Laws: A Case Study of General Zia-Ul-Haq", Journal of the Punjab University Historical Society of Pakistan vol. 29, No. 1 (2016): 122-132.



- History & Pakistan Studies, University of the Punjab, Lahore, Pakistan.
 - International Conference: “International Conference of British Commonwealth and Ocean Civilization”, held on 15-17 October, 2016, at Nanjing University, Nanjing, China.
 - International Conference: “Punjab: Past and Present”, held on 27-28 June 2016, at Government College University, Faisalabad, Pakistan.
- **Conferences, Seminars and Workshops, etc.**
- Prof. Dr. Muhammad Iqbal Chawla
 - *International Conferences Attended*
 - “International Scientific Conference” of the Foundation of Imam Abdessalam Yassine for Studies and Research in Istanbul, Turkey to be held on 16-17 January, 2016.
 - “Culture Tour Winter Camp for Graduate Students of China and Pakistan”, held at Nanjing University, Nanjing, China, from December 11-19, 2016.
 - “24th European Conference on South Asian Studies (ECSAS2016)” held on 27-30 July, 2016 at University of Warsaw, Poland.
 - *National Conferences Attended*
 - 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
- **Research Journals**
- Journal of the Punjab University Historical Society published in June and December

DEPARTMENT OF LITERARY HISTORY

○ **Research and Development**

A short History of Literature is being prepared during the year under review.

The implementation committee for the Literary History of the Muslims of Indo-Pakistan was revived in July 2008. 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 have been revised, rewritten and printed.



RESEARCH SOCIETY OF PAKISTAN

- **Publications:** Book/Edited
 - Books Printed
 - Socio-Economic Cooperation between India and Pakistan
 - Challenges and Prospects
 - **Book Under Print**
The Emergence of Pakistan
 - **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 112 Books.
- **Research Journal**
 - July to December 2015
 - *Under Print Journal*
 - January to June 2016

DEPARTMENT OF PHILOSOPHY

- **Publications:** Books/ Edited'

Author's Name	Book Title	Duration	Sponsoring agency
Dr Abdul Hafeez	The Qur'anic Theology, Philosophy and Spirituality	2016	University of the Punjab, Lahore

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

The Department of Philosophy published research journal Al-Hikmat 2015-2016

Author's Name	Article Name	Journal
Dr Ali Raza Tahir	Mutazilism and its Impact on Subcontinent	Al-Hikmat Volume 2015
Dr Ali Raza Tahir & Aqsa Abdul Muqeet Khan	'A Letter Concerning Toleration' for Muslims	Al-Hikmat Volume 2015
Mr Muhammad Rasheed Arshad	Falsfay Ki Mazhabi Zarorat (Urdu)	Al-Hikmat Volume 2015



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 (50) 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 01 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. Zahida Suleman, *Maulana Zafar Ali Khan: Siyasi Qiadat Ka Mutalya (Urdu)*

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

Pakistan Study Centre organized one international conference and about thirty international and national seminars and special lecture:

- Three-day International Symposium on "CPEC and The Belt and Road", Jiangsu Normal University, Xuzhou, P.R. of China, October 26-28, 2015
- Round Table on Indo-Pak Relations: Future Perspectives held on December 30, 2015
- Seminar on "Kashmir Problem: The Way Forward", Keynote Speaker: Prof. Hasan Askari Rizvi, Lt. Gen. (R) Ghulam Mustafa and Amb. Masood Khan, held on December 17, 2015
- Seminar on "The Destabilisation of the Middle East: Islamic State, its Friends and Foes", Keynote Speaker: Prof. Dr. Piotr Balcerowicz, Warsaw University, Warsaw, Poland, held on October 8, 2015
- Seminar on "A Story of Four Canals: Nation and Province after the Indus Waters Treaty", Keynote Speaker: Prof. Dr. David Gilmartin, North Carolina State University, United States, held on August 11, 2015



- A seminar on “Hubris: Why Economists failed to Predict the Crisis and How to Avoid the Next One” by Lord Meghnad Desai, author, economist and politician from United Kingdom, held on August 4, 2015
- Special lecture on “Pakistan-Indian Relations: The European Perspective,” by Dr. Agnieszka Kuszewska of University of Social Sciences & Humanities, Warsaw, Poland, held on April 29th, 2015
- One Day National Seminar on “Kashmir Dispute: The Past and Future”, Presided by Prime Minister Azad Jammu & Kashmir, held on April 17th, 2015
- Seminar on The Strategic Dimensions of Pakistan-China Relations: The Past and the Future, Keynote Speaker: Brig. (R) Saeed Sharif
- Seminar on Pakistan in connection with Pakistan Day, Keynote Speaker: Prof. Dr. Bettina Robotka of Humboldt University, Germany, held on March 27, 2015
- Seminar in connection with the Kashmir Solidarity Day. Guests: Sardar Khalid Ibrahim, Prof. Dr. Mujahid Kamran, Prof. Dr. Rashid Ahmed Khan on February 4, 2015
- Seminar on Architectural Heritage of Pakistan, Keynote Speaker: Prof. Dr. Francoise Dasques, Centre for Mexican and Central American Studies, on Tuesday, January 20, 2015

○ **Research Journals**

Two issues of the bi-annual research journal, ‘Pakistan Vision’, were published during the period under review.

- *Pakistan Vision*, (Journal) Vol. 16, No. 2, December 2015
- *Pakistan Vision*, (Journal) Vol. 16, No. 1, June 2015

Following research articles were included:

- *Pakistan Vision*, (Journal) Vol. 16, No. 2, December 2015)
 - Assessment of Creative Choices of Novice Fashion Illustrators in Apparel Designing by Ayesha Arshed Dodhy, Samia Kalsoom
 - Gandhara Art: An Appraisal by Tauqeer Ahmad Warraich
 - Bureaucratic Institution, Leadership and Breakup of a State: A Case Study of East Pakistan by Rizwan Ullah Kokab
 - Terrorism and Sino-Pak Relationship: A Case Study of Chinese Nationals as Victims of Terrorism in Pakistan during Musharraf Regime by Unsa Jamshed, Massarrat Abid
 - Globalization: A Threat To Intra State Social Cohesion by Nabila Asghar, Shazia Qureshi, Muhammad Nadeem
 - CPEC: Challenges and Opportunities for Pakistan by Massarrat Abid, Ayesha Ashfaq
 - Public Perception towards Punjab Emergency Service Rescue 1122 in Lahore by Jam Sajjad Hussain, Ahsan Akhtar Naz
 - Pakistan-France Economic Relations 1947-1971: A Numerical-Data- Based Analysis by Khalid Naseem



- History of Shrine Architecture: Studying Cultural History of Sufi Shrines in Colonial Punjab by Hussain Ahmad Khan
- Army Recruitment and Patron - Client Relationship in Colonial Punjab: A Grassroots Perspective by Tahir Mahmood
- **Pakistan Vision, (Journal) Vol. 16, No. 1, June 2015**
 - Lal Ded: Kashmiri rebel saint-poetess and her legacy by Agnieszka Kuszewska
 - Individuals and Social Change in Pakhtun Society: A Case of Dr. Mohammad Farooq Khan (1954-2010) by Abdul Rauf
 - A Study to Identify the Hot Spots of Street Children in Lahore by Aliya Khalid, Muhammad Nasir and Shuja Ur Rehman
 - A Corpus Based Quantitative Survey of the Persian and Arabic Elements in the Basic Vocabulary of Urdu Language by Maria Isabel Maldonado Garcia
 - Mulana Azad, Congress and the Struggle for India's Freedom by Farooq Ahmad Dar
 - Parent's Involvement in their Child Academic Achievement by Abdul Qayyum Chaudhry, Madiha Abdul Khaliq, Qandeel Agha and Syeda Mahnaz Hassan
 - General Self-Efficacy Beliefs, Life Satisfaction and Burnout in Traffic Wardens by Paras Aslam, Talat Sohail
 - Tracing Global Links of Privatization: A Case of Developing Countries by Mukaram Ali Khan, Amir Saeed
 - Jinnah-Sikandar Pact: Revisited by Javed Haider Syed, Kalim Ullah Baraich and Amjad Abbas Khan
 - Mass Media vs. Primary Groups Influence on Voting Decision in 2013 General Elections of Pakistan by Noshina Saleem Mian Ahmad Hanan, Muhammad Bilal Bhatti
 - Franco-Pakistan Nuclear Deal (1976): An Analytical Study by Humaira Dar
 - The Role of Family in Teaching Religious and Moral Values to their Children in Urban areas: A Case Study of Lahore (Pakistan) by Sonia Omer, Sadia Jabeen
 - Comparing Professional Attitude of Prospective Teachers Enrolled in Public and Private Institutions in Punjab by Muhammad Riaz Zahida Habib, Jafar Riaz, Muhammad Uzair-ul-Hassan
 - The Study of Boundary Line Issue in the Punjab During the last two Decades of the British Raj until the Declaration of 3 June 1947 by Zulfiqar Ali
 - Candid Statesmanship of Inter-Communal amity in Colonial Punjab: A Case Study of Sikandar Hayat Khan by Maqbool Ahmad Awan

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 were awarded by Punjab University Research Project Committee.

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ **Research and Development**

The translation desk worked actively throughout the year. The official documents and degrees were translated in French language. More people are referring to French department for translation purpose and the scope of translation is growing day by day.

Dr. Saleha Nazeer guided and supervised the research thesis of post graduate students on the following topics:

- *Factors of Learning French as a Foreign Language in Pakistan*
- *History of Teaching French Studies in Pakistan*

○ **Projects**

- Ms Saira Riaz conducted a research on “Teaching French through Literature” (Apprendre le français par la littérature). This was designed for degree programme students who are studying French for first time. The objective was to teach written and oral language skills, competencies, écrite et orale, by developing exercises on French novel to check the effectiveness of learning French language.
- Ms Sabrina A. Rassool joined online degree programme of M.Phil in French at the University of Franche-Comté, Besançon, France.
- Dr. Saleha Nazeer continued her work on research work to develop a “Bilingual Dictionary – Urdu to French & French to Urdu” - Phase II, so as to offer the primary source that does not exist so far in this field of French Studies. The project is designed and initiated to facilitate the French learner, Teacher and Researcher and addresses learners with A1, A2, B1, B2, C1 and C2 international levels of French language.

○ **Conferences, Seminars & workshops**

- Dr. Saleha Nazeer participated as Focal person – Humanities group, in a National symposium organized by HEC in Islamabad for the revision of curriculum.
- Dr Saleha Nazeer and Ms Saira Riaz attended a Lecture on “ Dr Faustus and Iqbal” at Dabistan-e-Iqbal.
- Dr. Saleha Nazeer chaired a scientific session on “Culture and Cross-Cultural Studies” in a National Conference in Imperial College of Business Studies.



Research Papers Presented at Conferences

- Dr Saleha Nazeer presented a Conference Research paper on “Possessing the World sans Essence; An Opera of life in Saint Exupery’s ‘The Little Prince’, for Interational Multidisciplinary conference at Imperial University of Business Studies, Lahore.
- Dr Saleha Nazeer presented a conference paper on “ From our Soul to the Horizons of Self; the Sacred Psychology of Self-affirmation through Self-annihilation in Hazrat Ali Hajveri’s ‘Unveiling the Veiled’,” presented at the Multidisciplinary conference on “Islamic Tradition in Psychology” at University of Lahore.

Workshop participation

- Other academic events
 - In February, Interdepartmental quiz on “Seerat un Nabi” was held at Faisal Auditorium to develop awareness and to improve the knowledge of students. The students actively participated in this quiz.
 - In the same month, the department arranged a quiz on “Seerat un Nabi”. Both students and teachers were enlightened by this spiritual gathering. It was a good learning based activity with an objective to transfer religious spirit in our young generation.
 - In March, the department organized the Annual Sports Day. The opening remarks were delivered by Dr. Saleha Nazeer in which she stressed upon the need and benefits of sports in everyday life. Students participated in a variety of sports. The faculty members also participated in a competition. The event created good team spirit, peace and solidarity in the department.
 - The Pakistan Day was celebrated with great passion and zeal. The students participated in a quiz related to the creation of Pakistan. This event was quite interesting and useful for students and teachers.
 - In April, the faculty members participated in a seminar on “Quality and Education” at Al Razi hall, organized by Quality Enhancement Cell. The need of quality in different domains of education was highlighted through slides on multimedia. This seminar was quite informative and enriching for teachers. Guest Lecture by Prof. David Watermann, University of La Rochelle, France: In the same month guest lecture was arranged by the department. Director of Alliance française de Lahore, Mr. Dominique Scobry introduced a French scholar, David Watermann, professor at Université de La Rochelle, to the department who delivered a lecture on Contemporary Pakistani literature. The students were enlightened by his lecture and discussion while using their spoken French skills with the guest.
 - In May, The French department organized one day Teachers’ Training workshop. Dr. Saleha Nazeer as a trainer, imparted knowledge related to different aspects of teaching with special focus on evaluation; making and correction of question papers. The faculty members for BS (hons) and Master programmes actively participated in the workshop.



Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **Research Journals**

Journal of Gender and Development

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	"Threat to National Security of Pakistan through interplay of internal and external factors in promoting violent extremism, radicalization and fragmentation of society"	Higher Education Commission (HEC)	2016
		"Reducing Rancor in South Asia"	Punjab University	2016
2	Prof. Dr. Iram Khalid	Urban Security: A case study of Lahore, Rawalpindi and Bahawalpur	Higher Education Commission (HEC)	2016
		Role of Academic Institutions in Counter Terrorism: Instituting Personnel Reliability Programs (PRP)	Punjab University	2016
3	Dr. Rana Eijaz Ahmad	Contentious Politics in Afghanistan and the U.S Efforts for Peace (2008-2014)	Punjab University	2016
4	Dr. Rehana Saeed Hashmi	Pakistan-India Economic Ties: A way Forward to Peace Building	Punjab University	2016
5	Dr. Mubeen Adnan	Peace Process with India: A Challenge for Pakistan	Punjab University	2016
6	Dr. Gulshan Majeed	Confidence Building Measures between Pakistan-India: Limitations and Challenges	Punjab University	2016
7	Dr. Zille Huma	Rejuvenating Friendship: Constructed Globalism in a Post-Modern Space	Punjab University	2016



8	Mr. Muhammad Sajid	Peace Building in South Asia: Analyzing beyond Structure-Agency dichotomy	Punjab University	2016
9	Ahmad Ali Naqvi	Structural Challenges to the Process of Assimilation: A Case of Christian Community in Lahore	Punjab University	2016

○ **Publications: Books**

- Prof. Dr. Umbreen Javaid
“Security in South Asia” Edited by Prof. Dr. Umbreen Javaid (Publisher Centre for South Asian Studies, University of the Punjab, Lahore 2016).
- Prof. Dr. Iram Khalid
 - Insurgency - Counter Insurgency Challenge to State’s Security Stability Prosperity Edited by Iram Khalid, Professor, Department of Political Science, University of the Punjab, Lahore (Peace Publication, Lahore).
 - *Revisiting: Pakistan’s National Security Dilemma* Edited by Iram Khalid, Professor, Department of Political Science, University of the Punjab, Lahore (Peace Publication, Lahore).

○ **Research Publications**

- Prof. Dr. Umbreen Javaid
 - “Reviewing Security in South Asia” by Dr. Umbreen Javaid, Journal of the Research Society of Pakistan, Vol. 51, No. 2, 2015 (HEC recognized Category “Y”).
 - “Balochistan: A Key Factor in Global Politics” by Dr. Umbreen Javaid & Javeria Jahangir, Journal of South Asian Studies, Vo. 30, No. 2, 2015 (HEC recognized Category “X”).
 - “Operation Zarb-e-Azb: A Successful Initiative to Curtail Terrorism” by Dr. Umbreen Javaid, Journal of South Asian Studies, Vo. 30, No. 2, 2015 (HEC recognized Category “X”).
 - “Non-traditional Security Threat in South Asia with Particular Orientation to IDP’s in Pakistan” by Dr. Umbreen Javaid & Izzat Razia, Journal of Political Studies, University of the Punjab, Lahore, Vol. 22, No. 2, 2015 (HEC recognized Category “X”).
 - “National Consensual Narrative against Terrorism” by Dr. Umbreen Javaid, Journal of Political Studies, University of the Punjab, Lahore, Vol. 22, No. 2, 2015 (HEC recognized Category “X”).
 - “Complex Regional Dynamics: Pakistan need for Political Paradigm Shift” by Dr. Umbreen Javaid & Mariam Shoukat Khan, Journal of Political Studies, University of the Punjab, Lahore, Vol. 22, No. 2, 2015 (HEC recognized Category “X”).



- Islam, West and Constantinople; A Historical Overview of Evolution of the 'Turkish Model' in Pre Modern Age" by Fatima Waqi & Dr. Umbreen Javaid, Journal of Hamdard Islamicus, Lahore No. 2, issue (Apr-June) 2016 (HEC recognized Category "Y").
- "Volatile South Asian Security Environment: Pakistan-India Factor" by Dr. Umbreen Javaid, Journal of Pakistan Vision, Vol. 17, No. 1, 2016 (HEC recognized Category "X")
- "Strengthening Pakistan and China's Geo-strategic Bond Through Geo-economic Configuration" by Dr. Umbreen Javaid & Rameesha Javaid, Pakistan Economics and Social Review, University of the Punjab, Lahore, Vol. 54, No. 1, 2016 (HEC recognized Category "Y").
- "Indian Influence in Afghanistan and its Implications for Pakistan" by Dr. Umbreen Javaid & Rameesha Javaid, Journal of Research Society of Pakistan, University of the Punjab, Lahore Vol. 53, No. 1, 2016 (HEC recognized "X").
- "Zarb-e-Azb and the State of Security in Pakistan" by Dr. Umbreen Javaid, Journal of Research Society of Pakistan, University of the Punjab, Lahore Vol. 53, No. 1, 2016 (HEC recognized "X")
- "Conflict Management between Pakistan and India: Challenges and Failures" by Dr. Umbreen Javaid & Naseem Sehrai, Journal of South Asian Studies, University of the Punjab, Lahore, Vol. 31, No. 1, 2016 (HEC recognized Category "X").
- "Analyzing the Dynamics of Pakistan-Afghanistan Relations: Past and Present" by Dr. Umbreen Javaid, Journal of South Asian Studies, University of the Punjab, Lahore, Vol. 31, No. 1, 2016 (HEC recognized Category "X").
- "Chinese Economic Challenges to the World Trade Organization: Separating Myth from Reality" by Dr. Umbreen & Shareh Qazi, Journal of South Asian Studies, University of the Punjab, Lahore, Vol. 31, No. 1, 2016 (HEC recognized Category "X").
- "Political Challenges and Security Issues in FATA and its impact on Economic Development" by Dr. Umbreen Javaid & Muhammad Akramul Haq, Journal of South Asian Studies, Vol. 31, No. 1, 2016 (HEC recognized Category "X").
- "The Civilizational Rift and the Idea of the Turkish Model: A Case Study (2002-2014)" by Fatima Sajjad & Dr. Umbreen Javaid, Journal of Political Studies, Vol. 23, No. 1, 2016 (HEC recognized Category "X").
- "Evaluating Rehabilitation process in FATA: Challenges and Prospects" by Dr. Umbreen Javaid, Journal of Political Studies, Vol. 23, No. 1, 2016 (HEC recognized Category "X").
- "Role of Ideology in Foreign Policy: A Case Study of Iran" by Dr. Umbreen Javaid, Uzma Naz, Muhammad Arshad Watoo and Azhar Rashid, Journal of Political Studies, Vol. 23, No. 1, 2016 (HEC recognized Category "X").
- Prof. Dr. Iram Khalid
 - "Militancy and Counter Militancy measures: Impact on Pakistan's Foreign Policy" in Journal of Political Studies, Vol. 22, Issue 02, 2015.



- “Psychoanalysis of Leaders: Case study of President Zia and President Musharraf” in Journal of Political Studies, Vol. 22, Issue 02, 2015.
- “National Security and the essence of Urban Security in post 9/11 – A theoretical framework for resilience and prosperity” in Journal of South Asian Studies, Vo. 30, No. 2, 2015
- “Indian Ocean: A Prospective Potential Theatre of Pakistan-India Conflict” in Journal of Research society of Pakistan, Vol.52, Issue 02, 2015.
- “China-Central Asia Relations: A Socio-Economic and Security Analysis of Bilateral Ties” in Journal of Political Studies, Vol. 23, No. 1, 2016.
- “Energy Crisis: An Issue of Good Governance, A Way Forward” in Journal of Political Studies, Vol. 23, No. 1, 2016.
- “Iran Nuclear Agreement: Rethinking Pakistan’s Middle East Policy” in Journal of South Asian Studies, Vo. 31, No. 01, 2016.
- “An Appraisal Of Pakistan’s Nuclear Policy During War On Terror” in Journal of South Asian Studies, Vo. 31, No. 01, 2016.
- Dr. Rehana Saeed Hashmi
China, Central Asia Relations: A socio-Economic and Security Analysis of Bilateral Ties, Journal of Political Studies, Vol.23, Issue.01, 2016.
- Dr. Mubeen Adnan
 - Research article on “Globalization of Central Asia” in a Journal of Political Studies, Vol.22, Issue 2, winter, 2015.
 - Research article on “Strategic and Economic Interests of Pakistan and India in Central Asia” in a Journal of South Asian Studies, Vol.30, No.2, 2015.
 - Research article on “Peace Process with India: A Challenge for Pakistan” in a Journal of South Asian Studies, Vol.31, No.1, 2016.
 - Research article on “European Union as a New Actor in Central Asia: Its Interests and Challenges” in a Journal of Political Studies, Vol.23, Issue 1, summer 2016.
- Dr. Gulshan Majeed
Issues and Adjustment in Pakistan’s Federation, in a Journal of Political Studies, Vol.22, Issue 2, winter, 2015.
- **Conferences / Seminars and Workshops etc**
 - International Conferences
 - Prof. Dr. Umbreen Javaid, Chairperson
Presented a paper on “Pak-China Relations: Consolidating the Benefits of the Proverbial Friendship” at Centre of Excellence China Studies/Department of Political Science, Government College University, Lahore on 9th to 10th December, 2015, International Conference on “China-Pakistan Economic Corridor”.



- **Dr. Rana Eijaz Ahmad, Assistant Professor**

Presented a paper titled as Thinking Beyond Democracy and Freedom in the Age of Globalution: Post 9/11 Scenario in an International Punjab University Communication Studies Conference held on November 2-4. 2015 at the Avari Hotel Lahore.

- **Seminars / Workshops / Lectures etc**

- **National**

- Organized and attended a seminar on “How to do Literature Review” by Dr. Mumtaz Ali Anwar, Professor, Department of Information Management, University of the Punjab, Lahore 19th May, 2016 in the Centre for South Asian Studies, University, Lahore.
- Organized and attended a seminar on “Psychological Impact of Terrorism: Role of Literature in Peace Building in South Asia” 14th April, 2016 in the Centre for South Asian Studies, University, Lahore
- Organized and attended a seminar on “Emerging trends in Population science and its Importance: A case Study of Pakistan” by QaziAfaqHussain, Senior Member, Federal Tribunal, Lahore on 13th April, 2016 at 2:00 p.m. in the Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized and attended a seminar on “Law of sea” by Commodore Naveed Ahmad, Navy War College, Lahore on 22nd March, 2016 at 12:00 noon in the Department of Political Science, University of the Punjab, Lahore.
- Organized and attended a seminar on “Urgency to Preserve Narrative of the 1947 Partition Witnesses across the Globe” collaboration with Centre for South Asian Studies by Dr. Guneeta Singh Bhalla, India on 14th March, 2016 at 2:00 p.m. in the Auditorium, Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized and attended a seminar on “Our Society, Our Responsibility” by Bilal Ahmad Project Head, on 13th March, 2016 at 11:00 a.m. in the Department of Political Science, University of the Punjab, Lahore.
- Organized and attended a seminar on “Politics in South Punjab” by Dr. MeenaEhsanLaghari on 05 January, 2016 at Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized and attended a seminar on “Open Doors in Pakistan” by Mr. Jean-Luc Racine on February 2, 2016 at 12:00 noon in Auditorium, Centre for South Asian Studies, University of the Punjab, Lahore”.
- Organized and attended a seminar on “Importance of Leadership” by Prof. Dr. Mansoor Akbar Kundi, Former vice-Chancellor, Gomal University, D.I.Khan, KPK on 25th January, 2015 at Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized and attended a workshop on “Qualitative Research” by Dr. ShafiqueulRehman, Department of Information Management, University of the Punjab, Lahore on 21st January, 2016 in the Centre for South Asian Studies, University of the Punjab, Lahore.



- Organized and attended a debates on “In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar” on 18th December, 2015 in the Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized and attended a discussion session on “In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar” on 17th December, 2015 in the Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized and attended a discussion session on “In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar” on 16th December, 2015 in the Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized and attended a quiz on “In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar” on 15th December, 2015 in the Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized and attended a seminar on “In Remembrance of East Pakistan Debacle & Incident of Army Public School, Peshawar” on 14th December, 2015 in the Centre for South Asian Studies, University of the Punjab, Lahore.
 - Organized and attended an event on “Anti-corruption Day” on 10th December, 2015 in the Department of Political Science, University of the Punjab, Lahore.
 - Organized and attended a National Conference on “Challenges to Peace Building in South Asia” and presented a paper on “Rising India, Rising Terror, Implications for south Asian Security Environment” in Collaboration with Centre for South Asian Studies, University of the Punjab, Lahore on 26th November, 2015.
 - Organized and attended a seminar/lecture on “strategic Leadership: A Key to Success” by Mr. Anil Kumar Shastri, Senior Leader, Indian National congress on 23rd November, 2015.
 - Organized and attended a seminar on “Peace building and Conflict Management Measures: A Comparative Study between Pakistan & Sri Lanka” by Ms. Ammara Farooq Malik, CEO/Founder of SEEPLA foundation, Lahore delivered a lecture on 16th November, 2015.
 - Organized and attended a seminar on “Peace Building and Conflict Management Measures; A Comparative study between Pakistan & Sri-Lanka” in collaboration with the Centre for South Asian Studies by key note speaker Ms. Ammara Farooq Malik, CEO/Founder of SEEPLA foundation, Lahore delivered a lecture on 10th November, 2015.
- **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	“Threat to National Security of Pakistan through interplay of internal and external factors in promoting violent extremism, radicalization and fragmentation of society”	Higher Education Commission (HEC)	4.00 (Million)	2016
		“Reducing Rancor in South Asia”	Punjab University	250,000	2016
2	Prof. Dr. Iram Khalid	Urban Security: A case study of Lahore, Rawalpindi and Bahawalpur	Higher Education Commission (HEC)	4.00 (Million)	2016
		Role of Academic Institutions in Counter Terrorism: Instituting Personnel Reliability Programs (PRP)	Punjab University	250,000	2016
3	Dr. Rana Eijaz Ahmad	Contentious Politics in Afghanistan and the U.S Efforts for Peace (2008-2014)	Punjab University	150,000	2016
4	Dr. Rehana Saeed Hashmi	Pakistan-India Economic Ties: A way Forward to Peace Building	Punjab University	150,000	2016
5	Dr. Mubeen Adnan	Peace Process with India: A Challenge for Pakistan	Punjab University	150,000	2016
6	Dr. Gulshan Majeed	Confidence Building Measures between Pakistan-India: Limitations and Challenges	Punjab University	150,000	2016
7	Dr. Zille Huma	Rejuvenating Friendship: Constructed Globalism in a Post-Modern Space	Punjab University	150,000	2016
8	Mr. Muhammad Sajid	Peace Building in South Asia: Analyzing beyond Structure-Agency dichotomy	Punjab University	150,000	2016
9	Ahmad Ali Naqvi	Structural Challenges to the Process of Assimilation: A Case of Christian Community in Lahore	Punjab University	150,000	2016



DEPARTMENT OF SOCIAL WORK

○ **Research and Development**

- Department conducted a Program on “Kashmir Day” in the department of Social Work, University of the Punjab, Lahore on February 5, 2016.
- Department of Social Work arranged Three days training workshop of students of MSc on “NGO Management” in Collaboration with Community World Service Asia (CWSA) from 5-7 February 2016 at University Club, University of the Punjab, Lahore.
- A session on “CV Writing” has been organized at the department in Collaboration with Career Counseling & Placement Centre on 17 February, 2016.
- Department conducted a Program on “Awareness on Thalassemia” in the department of Social Work, University of the Punjab, Lahore on March 2, 2016.
- Department conducted a Program on “Women Day” in the department of Social Work, University of the Punjab, Lahore on March 3, 2016.
- Department conducted a Program on “International Social Worker Day” in the department of Social Work, University of the Punjab, Lahore on March 15, 2016.
- Department arranged “Sports Gala” from March 16-18, 2016.
- Department conducted a Program on “Independence Day” in the department of Social Work, University of the Punjab, Lahore on August 15, 2016.
- Dr. Tahira Jabeen (Research & Development, Project conducted)
Training need assessment (TNA) of child protection staff in the formal child protection system in Pakistan. UNICEF, Pakistan. 2015-2016

○ **Publications**

- Published (National journal/s)
Jabeen, Tahira, 2016 ‘Child Protection Legislation in Pakistan: Bringing International Child Rights Obligations and Local Values Together’, *Pakistan Journal of Criminology*, 8(3), pp 16-33.
- Ms. Raazia Hassan Naqvi, Lecturer
Research Publications
 - Raazia Hassan Naqvi, Muhammad Ibrar, Basharat Hussain, and Christine Walsh. (2016). History of Violence Against Women in the West, Recognition and Emerging Interventions. *Pakistan Journal of Criminology*, Volume 8, No. 4, p. 95-105.
 - Muhammad Ibrar, Raazia Hassan Naqvi, Shumaila Safdar, and Asif Naveed Ranjha. (2015). Historical Development of Health care System in Pakistan: An Overview. *PUTAJ Humanities and Social Sciences*, Volume 22, No. 1, p. 119-132.
 - Raazia Hassan Naqvi, Dr. Muhammad Ibrar. (2015). Gender Stereotyping in Educational Institutions: A Case Study of Social Sciences Departments of University Of Peshawar, Khyber Pakhtunkhwa, Pakistan. *Pakistan Annual Research Journal*, Pakistan Study Centre. Volume 51, p. 56-66.



- Raazia Hassan Naqvi, Muhammad Ibrar & Kaniz Fatima Haider. (2015). Situational Analysis of Female Offenders in Jails: A Case Study of Dera Ismail Khan, Haripur & Peshawar. *Pakistan Journal of Criminology*, Volume 7, No. 3, p.12-21.
- Raazia Hassan Naqvi and Muhammad Ibrar. (2015). Women's Rights and Family Decisions: A Case Study of District Multan, Pakistan. *Pakistan Journal of Women's Studies: Alam-e-Niswan*, Vol. 22, No. 1, p. 79-90.

INSTITUTE OF COMMUNICATION STUDIES

○ **Projects:** Completed

A research Project on "Live Media Coverage of Terrorism incident perceived stressed, Anxiety and Fear Among Youth" funded by the University of the Punjab for the fiscal year 2015-16 submitted by Dr. Noshina Saleem

○ **Publications**

- Dr. Noshina Saleem
 - Political Advertisements & Voters Behaviour in 2013 General Elections of Pakistan: Exposure vs Impact Analysis published in Journal of the Research Society of Pakistan, Vol. 52, Issue-1, 2015, PP 09-26
 - Mass Media vs. Primary Group Influence on Voting Decision in 2013 General Elections of Pakistan published in Journal of Pakistan Vision, Vol. 16, Issue-1, 2015, PP 203-14
 - Does Care and Overprotective Bonding Uniquely Contribute towards Aggression? A Correlational Study on Pakistani Young Adults published in Journal of Media, Business and Social Sciences (JMBSS), Vol. 1, Issue-1, 2015, PP 01-08
 - Influence of Social Class and Power on the Linguistic Choices of Females published in Journal of Media, Business and Social Sciences (JMBSS), Vol. 1, Issue-1, 2015, PP 29-30
- Dr. Bushra H. Rahman
 - Spinning Peace Negotiations: Pakistan-Taliban Peace Deals in the International Media published in Journal of Political Studies, University of the Punjab, Vol. 23, Issue-2, 2016, PP 681-696
 - Framing of women in politics: A case of Pakistani Elections 2013 published in Journal of Political Science (2015) Vol.22, No 02.
- Dr. Abida Ejaz

Spinning Peace Negotiations: Pakistan-Taliban Peace Deals in the International Media published in Journal of Political Studies, University of the Punjab, Vol. 23, Issue-2, 2016, PP 681-696
- Ms. Savera Shami

Freedom to Political Cartoons: Charlie Hebdo & Ethical Dilemmas in Cartoon Communication (May-July 2011) published in JRSP, Vol. 53, No. 2, July-December, 2016



- Dr. Ayesha Ashfaq
Freedom to Political Cartoons: Charlie Hebdo & Ethical Dilemmas in Cartoon Communication (May-July 2011) published in JRSP, Vol. 53, No. 2, July-December, 2016
- **Conferences/Seminar/Workshops Organized:**
 - Seminar organized on "Terrorism and Role of Media at the Institute of Communication Studies, University of the Punjab on February 19, 2015. Mr. Sohail Warraich was the guest speaker on this occasion.
 - Organized a seminar on "Crime Investigating Reporting: A Tribute to Asad Sahi" at Hameed Nizami Memorial Conference Room, ICS University of the Punjab on April 27, 2015. Well-known journalists and crime reporters attended this seminar.
 - Organized an Interactive Discussion on "Emerging Trends in Media and Economic Condition of Journalists" in Faiz Ahmad Faiz Conference Room on June 19, 2015. Mr. Khawar Naeed Hashmi and Amjad Warraich were the guest speakers.
 - Organized a seminar on "Seminar on "A New Wave of Indian Radicalism and Role of International Media" in the Hameed Nizami Memorial Conference Room, ICS on October 29, 2015. Prof. Dr. Mujahid Kamran presided this seminar and Mr. Rana Mashhood Khan was the chief guest and Mr. Salman Ghani, Sajjad Mir and Farrukh Sohail Goindi were the guest speakers.
 - Organized an International Conference on "International Conference on "Freedom of Expression: Global Politics of Emotions" in Khurshid Mahal Hall, Hotel Avari, Lahore from November 02-04, 2015.
 - Organized a seminar on "Seminar on Terrorism Against Humanity" in the Hameed Nizami Memorial Conference Room, Institute of Communication Studies on December 21, 2015.
 - Seminar organized on "Seminar on "Blood Transfusion awareness" in the Hameed Nizami Memorial Conference Room, ICS on January 27, 2016.
 - Special Lecture arranged on "Public Relations in Modern Era: Opportunities and Challenges" by Mr. Raja Jahangir Anwar, Directorate General Public Relations (DGPR) Punjab on February 10, 2016.
 - Organized a seminar on "Seminar on Journalism and Our Responsibilities" in the Hameed Nizami Memorial Conference Room on February 16, 2016. Mr. Riaz ul Haq (a well-known personality) was the guest speaker.
 - Special Lecture organized on "Kashmir Dispute" by Prof. Dr. Musarrat Abid, Dean Faculty of Arts and Humanities, University of the Punjab in the Hameed Nizami Memorial Conference Room, ICS on March 08, 2016.
- **Research Journals**
Biannual Journal of Media Studies



INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Publications**
 - Research Papers Published in International Peer-reviewed Impact-Factor Journals
 - Dr. Rubeena Zakar
 - 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 Hillward 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 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 COMMERCE

- **Publications**

Hailey College Of Commerce, Faculty Members Research Publications

S.No	First Author	Second Author	Third Author	Publication Name	Research Journal	Volume	Month & Year
1	Dr. Hassan Mobeen Alam			<i>Role of identity and image in organizational leadership perceptions in the face of strategic change</i>	<i>International Journal of AYER Spain</i>	Vol.4	2015



2	Ishfaq Ahmed	Muhammad Khalid Khan	—	Predicting work motivation through job satisfaction and turnover intentions: the explanatory role of heavy work investment.	<i>The Lahore Journal of Business, (HEC-Recognized)</i>	4(1)	2015
3	Talat Islam,	Ishfaq Ahmed,	Ungku Nurul kamar Ungku Ahmad	The influence of organizational learning culture and perceived organizational support on employees' affective commitment and turnover intention.	<i>Nankai Business Review, (Emerald)</i>	6(4)	2015
4	Talat Islam	Ishfaq Ahmed	Zainab Khalifah	Graduates' expectations gap: the role of employers and higher learning institutes. <i>Journal of Advances in Research in Higher Education</i>	<i>Journal of Advances in Research in Higher Education, (Emerald – Scopus)</i>	7(2),	2015
5	Ishfaq Ahmed	Talat Islam	Ghulam Ali	Pillion riders' cloth related injuries and helmet wearing patterns: a study of Lahore, Pakistan.	<i>International Journal of Injury Control and Safety Promotion (Taylor & Francis – JCR, 2014 IF=0.707)</i>		2015
6	Ishfaq Ahmed,	Musarrat Nawaz	—	Perceived Organizational Support: Antecedents and Outcomes of Perceived Organizational Support: A Literature Survey Approach.	<i>Journal of Management Development, (Emerald– Scopus).</i>	34(7)	2015
7	Ishfaq Ahmed	Musarrat Nawaz	Ghulam Ali	Perceived Organizational Support: A Meta – Analysis of latest available literature.	<i>Management Research Review. (Emerald – Scopus).</i>	38 (7)	2015
8	Ghilam Ali Bhatti	Talat Islam	Hammad Hassan Fouzia Ali	The Relationships between LMX , Job, Satisfaction and Turnover Intention	<i>Sci Int. Lahore</i>	ISSN 1013-5316	2015
9	Dr. Fouzia Ali			The Effects of Job Characteristics on manager , Intent to leave the organization: The Mediating Role of the Four Dimensions of Organizational Commitment	<i>International Journal of Business and Management</i>	Vol. 10, No.6	2015
10	Dr. Muhammad Khalid Khan			Occupational Stressor and Employee Performance in Service Sector of Lahore, Pakistan	<i>Journal of Humanities , Department of English,Pu.Lahr</i>		2015



11	Dr. Muhammad Khalid Khan			Predicting Work Motivation Trough Job Satisfaction and Turnover Intentions.	<i>The Lahore Journal pf Business</i>	4(1) 75-89	2015
12	Dr. Muhammad Khalid Khan			Impact of service quality on customer satisfaction of banking sector employees: a study of Lahore Punjab	<i>Vidyabharti International Interdisciplinary Research Journal</i>	4(1)54-60 ISSN 2319	2015
13	Rizwan Qaier Danish	M. Ramzan	Ahmad	Effect of formalization on organizational commitment, International Role of Self-Monitoring in the Service Sector	<i>American journal of Economics</i>	1(4) 229-235	2015
14	Bodla,	M.Afza	Rizwan Qaier Danish	Perceived organizational politics and employee morale mediating role of social exchange perceptions.	<i>Journal of Natural and Social Sciences</i>	4(1)	2015
15	Rizwan Qaier Danish	Khalid Khan	Shahid	Effect of Intrinsic Rewards on task performance of employees	<i>International journal of Organizational leadership</i>	4-33-46	2015
16	Rizwan Qaier Danish	Shahid	Aslam	Relationship between job performance , job involvement and career salience of employees in education sector of Pakistan	<i>American journal of Education and Research</i>	1(2) 19-23	2015
17	Rizwan Qaier Danish	Shahid	Aslam	The impact of pay satisfaction and job stress on job satisfaction in Pakistani firms.	<i>American journal of Economic</i>	1(3) 207-210	2015
18	Rizwan Qaier Danish	Hamayoun	Shahid	Relationship between perceived organizational support and organizational citizenship behavior	<i>American journal of Economic</i>	1(3) 195-199	2015
19	Rizwan Qaier Danish	Ahmad	Ateeq	Factors affecting customer retention ion telecom sector of Pakistan	<i>American journal of Marketing Research</i>	1(2) 28-36	2015
20	Rizwan Qaier Danish	Draz	Ali	Impact of organizational climate on job satisfaction and organizational commitment in education sector of Pakistan	<i>American journal of mobile systems, applications and services</i>	1(2) 102-109	2015
21	Rizwan Qaier Danish	Aslam	Shahid	Impact of team characteristics on team performance in banking sector of Pakistan	<i>Journal of commerce</i>	7(4) 183-199	2015
22	Rizwan Qaier Danish	Usman	Ali	Association of affective commitment with organizational citizenship behavior and task	<i>Journal of yasar University</i>	10/specia l issue	2015



				performance of employees in banking sector			
23	Dr. Fouzia Ali			The relationship between LMX job satisfaction and turnover intention	<i>Science iintention</i>	27 No.2	2015
24	Dr. Fouzia Ali			The impact of brand equity on brand loyalty. The mediating role of customer satisfaction	<i>Pakistan Journal of Commerce</i>		2015

○ **Research Journals**

Research Journal of Commerce

Hailey College Published Annual Journal Al-Iqtisad

○ **Research Collaboration**

HEC and University of the Punjab

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

○ **Publications**

Prof. Dr. Hafeez ur Rehman Bashir, F. (2015).	Energy Consumption and Agriculture Sector in Middle Income Developing Countries: A Panel Data Analysis. <i>Pakistan Journal of Social Sciences (PJSS)</i> , 35(1).
Dr. Nabila Asghar Gillani, D. Q., Farooq, F., & (2015).	Determinants of Informal Wage-Employment and Informal Self-Employment in Southern Punjab (Pakistan). <i>Pakistan Journal of Social Sciences (PJSS)</i> , 35(1).
Dr. Nabila Asghar Qureshi, S., & Nadeem, M. (2015).	Institutional Quality and Economic Growth: Panel ARDL Analysis for Selected Developing Economies of Asia. <i>South Asian Studies</i> , 30(2), 381.
Atif Khan Jadoon Rashid, H. A., & Azeem, A. (2015).	Trade Liberalization, Human Capital And Economic Growth: Empirical Evidence From Selected Asian Countries. <i>Pakistan Economic and Social Review</i> , 53(1), 113.
Atif Khan Jadoon	Impact of Debt Servicing and Fiscal Deficit on Economic Growth: A Case Study of Pakistan
Atif Khan Jadoon Azeem, A., Aziz, B., (2015).	Financial Development: A Contributing Agent Of Economic Growth-Study Of Selected Asian Countries. <i>Pakistan Business Review</i> , 17(2), 397-415.
Wasim ul Rehman Ilyas, M., & Rehman, C. A. (2016).	Intellectual Capital Practices And Financial Efficiency: A Mediating Role Of Banks' performance: Evidence From The Banking Sector Of Pakistan. <i>Pakistan Business Review</i> , 18(2), 377-400.



Wasim ul Rehman Asghar, N., & Ahmad, K. (2015).	Impact Of Km Practices On Firms'performance: A Mediating Role Of Business Process Capability And Organizational Learning. <i>Pakistan Economic and Social Review</i> , 53(1), 47.
Wasim ul Rehman Rehman, C. A., & Ilyas, M. (2015).	Linking Intellectual Capital and Knowledge Management with Organizational Performance: A Meta-Review Analysis. <i>Kuwait Chapter of Arabian Journal of Business and Management Review</i> , 5 (2), 63-73.
Wasim ul Rehman Rehman, S., & Rehman, A. (2015).	A Qualitative Approach To Explore The Role Of Intellectual Capital Practices (Icp) For Banks'performances: A Knowledge Base Perspective. <i>Australian Journal of Business and Management Research</i> , 4(11), 48.

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

- Use of Public Relations and Publicity (PRP) by the Public Libraries in Lahore, Pakistan. *New Library World*. 116(7/8)
- Usage patterns of Punjab University Library website: a transactional log analysis study. *The Electronic Library*. 33 (1)
- Perceptions of Medical Librarians towards the importance of Information Literacy Skills. *Pakistan Journal of Information Management and Libraries*. 16
- Reading Habits and Behavior of Informational Professionals in the digital Era. *Pakistan Library & Information Science Journal*. 46(3)
- Information accessibility for students with disabilities: An exploratory study of Pakistan. *Malaysian Journal of Library & Information Science*. 20 (2)
- Personal Information Management Practices and Behaviors of Social Sciences Students.
- PJIM&L, HEC Approved Local Journal, 18(1), 2016.
- Barriers when advocating or providing information literacy instruction in medical institutions of Pakistan.
- PJIM&L, HEC Approved Local Journal, 17(1), 2016.
- Emerging research trends in library and information science: A Content analysis of core LIS journals



- Pakistan Library and Information Science Journal, HEC Approved Local Journal, 47(4), 2016.
- Measuring levels of students' anxiety in information seeking tasks PJIM&L, HEC Approved Local Journal, 17(1), 2016.
- Information seeking anxiety among postgraduate students of University Journal of Behavioral Sciences, HEC Approved Local Journal, 26(1), 2016.
- A mixed method investigation of information seeking anxiety among Pakistani research students Pakistan Library and Information Science Journal, HEC Approved Local Journal, 47(2), 2016.
- Status of Public Libraries in Rawalpindi District, Pakistan. Public Library Quarterly, HEC Approved Foreign Journal, 35(1), 2016.
- Promoting Academic Integrity in South Asian Research Culture: The Case of Pakistani Academic South Asian Studies, HEC Approved Local Journal, 31(2), 2016.
- *Conference E-Papers Presented:*
 - Preferred Channels of Social Sciences Researchers for Knowledge Sharing in the Industry 4.0 Era. 7th International Symposium on Information Management in a Changing World, October 10-11, 2016, Vienna, Austria
 - Information Literacy Instruction: An Overview of Research and Professional Development in Pakistan. Information Literacy in the Inclusive Society; European Conference on Information Literacy (ECIL), October 10-13, 2016. Prague, Czech Republic
 - Academics' Perceived Usefulness of Higher Education Commission E-journals at University of the Punjab, Pakistan. Information Literacy in the Inclusive Society; European Conference on Information Literacy (ECIL), October 10-13, 2016. Prague, Czech Republic
 - 4. Exploring the application of extended 3ps of Service Marketing Mix in academic Libraries". Paper presented in "International Conference on Libraries, Information and Society (ICOLIS 2016)" held on 20-21 September,
- *Book Chapter*
 - Warriach, N. F & Ameen, Kanwal. Human Resource Management Practices in University Libraries: A Case From Pakistan. In Malhan, I.V., Chandel, A.S. & Satija, M.P. (Eds.). Human Resource Management in Libraries and Information Centers. New Delhi: Satija Research Foundation for Library and Information Science
 - In search of new horizons: Agenda of LIS schools in Pakistan. In Seadle, M., Chu, C. M., Stockel, U., & Crumpton, B. (eds.). Educating the Profession: 40 years of the IFLA section on education and training.
- Prof. Dr. Mumtaz A. Anwar
Understanding Cotton Grower's Information Needs from Rural Bahawalpur. Pakistan Journal of Information Management and Libraries. 16.



- Dr. Shafiq Ur Rehman
 - Problems of College Libraries in Pakistan. Pakistan Library & Information Science Journal. 46(3)
 - Users' Perception and Satisfaction with Higher Education Commission. Pakistan Research Repository (PRR): problems and opportunities Library Philosophy and Practice. Online
- Dr. Muhammad Rafiq
 - Research Productivity of Library Scholars: Bibliometric Analysis of Growth and Trends of LIS Publications. New Library World. 116(7/8).
 - Scientometric Analysis of Library and Information Science Journals 2003–2012 Using Web of Science. International Information and Library Review. Online
 - Conference Literature in Pakistan. Pakistan Library & Information Science Journal. 46(3).
 - Research Productivity of Library Scholars: Bibliometric Analysis of Growth and Trends of LIS Publications. New Library World. 116(7/8)
 - Information literacy in academic and research libraries of Beijing, China: Practices, methods and problems. Information Development
 - Rafiq, M., Jabeen, M., & Arif, M. (2016). Continuing Education (CE) of LIS Professionals: Need Analysis & Role of LIS Schools. The Journal of Academic Librarianship. DOI: <http://dx.doi.org/10.1016/j.acalib.2016.10.004> (IF)
 - Ahmad, S., & Rafiq, M. (2016). Accessibility and Usability of Internet among University Students in Khyber Pakhtunkhwa, Pakistan. Pakistan Journal of Information Management, 18(1), 37-51.
 - Jabeen, M., Yun, L., Rafiq, M., Jabeen, M., & Tahir, M. A. (2016). Information literacy in academic and research libraries of Beijing, China: Practices, methods and problems. Information Development, 32(3), 579-591. (IF)
 - Jabeen, M., Yun, L., Wang, X., Rafiq, M., Mazher, A., Tahir, M. A. Jabeen, M. (2016). A Study to analyze collaboration patterns for Asian Library and Information Science (LIS) Scholars on Author, Institutional and Country Levels, Serials Review, 42(1), 18-30. DOI: 10.1080/00987913.2016.1139526. . (IF)
 - Ganaee, M. A., & Rafiq, M. (2016). Pakistani University Library Web Sites: Features, Contents, and Maintenance Issues. Journal of Web Librarianship, DOI: 10.1080/19322909.2016.1195308
 - Khan, M.T., Zahid, A. & Rafiq, M. (2016). Journey from Library Management System (LMS) to KOHA by Government College University Libraries, Lahore. Pakistan Journal of Information Management, 17, 184-190. Available on <http://journals.pu.edu.pk/journals/index.php/pjimpl/article/viewFile/907/512>



- Ganaee, M. A., & Rafiq, M. (2016). Features of library websites of public and private universities in Punjab and Sindh provinces. *Pakistan Library and Information Science Journal*, 47(3), 41-55.
- Ms. Alia Arshad
Usage Patterns of Punjab University Library Website: A Transactional Log Analysis Study. *The Electronic Library*. 33(1)
- Dr. Nosheen Fatima Warraich
 - Nosheen Fatima Warraich (2016). Linked Data Technologies in Libraries: An Appraisal. *An International Journal of South Asian Studies*, 31(2)
 - Nosheen Fatima Warraich, Haq, I., & Kanwal Ameen (2016). Status of Public Libraries in Rawalpindi District, Pakistan. *Public Library Quarterly*, 35(1), 72-82.
 - Jan, S. U., Anwar, M. A., & Nosheen Fatima Warraich (In press). Emotional Intelligence and Academic Anxieties: A Literature Review. *New Review of Academic Librarianship*, 22(4).
 - Sadaf Rafiq, Nosheen Fatima Warraich (2016). Utilization of E-Books among Undergraduate Medical Students at Lahore, *Pakistan Journal of Information Management & Libraries (PJIM&L)*, 17 (2).
 - Jan, S. U., Anwar, M. A., & Nosheen Fatima Warraich (2016). Library Anxiety and Emotion Perception among the Undergraduate Social Sciences Students: A Relationship Study. *Behavioral & Social Sciences Librarian*, 35(2), 52-63
 - Jan, S. U., Anwar, M. A., & Nosheen Fatima Warraich (2016). Library anxiety, library use and academic performance of undergraduate students in Pakistan. *Library Review*, 65(8/9), 564-577.
- Dr. Saira Hanif Soroya
 - Saira Hanif Soroya and Kanwal Ameen (2016). Reading Trend of Youth: A Pilot study. *Pakistan Journal of Information Management and Libraries*. 17, pp.86-96 (Y)
 - Faiza Bashir, Saira Hanif Soroya, Shahid Soroya and Almas Khanum. (2016). Emerging Trends of Acquisition in Public Libraries of Pakistan: Challenges and Issues. *Library Collections, Acquisitions & Technical Services*. (IF)
 - Shaihd Soroya , Aamir Hashmi., & Saira Hanif Soroya. (2016). Academic Integrity: Effects of Demographic Variables on Students' Conduct". *Journal of South Asian Studies*. Vol. 31, No. 2, July December 2016, pp.27 – 43 (X)
- Dr. Syeda Hina Batool
Participative Management Practices in the University Libraries of Punjab (Pakistan): Perceptions of Senior Librarians. *Pakistan Journal of Information Management & Libraries* 18(2).



- Dr. Muhammad Asif Naveed
 - Exploring information seeking anxiety among research students in Pakistan. Libri: International Journal of Libraries and Information Services, 66(1).
 - Information seeking anxiety among postgraduate students of University. Journal of Behavioral Sciences. HEC Recognized, 26(1).
 - A mixed-method investigation of information seeking anxiety in Pakistani research students. Pakistan Library & Information Science Journal . HEC Recognized, 47(2).
 - Measuring levels of students' anxiety in information seeking tasks. Pakistan Journal of Information Management & Libraries. HEC Recognized, 17.
- Awards and Grants
 - Dr. Nosheen Fatima got PU travel grant to present her paper in an international conference held in Bangkok, Thailand in 2015.
 - Dr. Syeda Hina Batool got a travel grant from UKeig, UK and ISchool University of Sheffield, UK to present her paper at i3 Conference held in Scotland 2015.
 - Dr. Nosheen Fatima got Full-bright scholarship for Postdoc at The State University of New York at Albany in 2015.
 - Prof. Dr. Kanwal Ameen got a travel grant from Higher Education Commission (HEC) for presenting 7th International Symposium on Information Management in a Changing World (IMCW) Vienna, Austria 10-11 Oct. 2016 & European Conference on Information Literacy (ECIL) Prague, Czech Republic 10-13 Oct. 2016.
 - Dr. Syeda Hina Batool got a travel grant from HEC to present conference papers at ECIL Prague, Czech Republic 10-13 Oct. 2016.
 - Dr. Alia Arshad got PU travel grant to present a conference paper at ECIL Prague, Czech Republic 10-13 Oct. 2016.
- **Conferences, Seminars and Workshops**
 - The Department in collaboration with Punjab University Library organized a seminar on "Professional Success: Tips & Tricks". It was held at Punjab University Library on 18 August, 2015. This seminar was specially arranged for outgoing masters' class (session, 2013-15). Mr. Qamar-Ul-Islam Raja (Member Provincial Assembly, Punjab, Chairman Standing Committee on Education, Chairman Punjab Education Foundation) was the guest speaker and distributed transcripts among top three students of the Department.
 - The Department of Information Management (DoIM), PU in collaboration with Center for Clinical Psychology (CCP) PU organized one-day workshop on "Managing Qualitative Research with Nvivo 11" on September 9-10, 2015 for MS/M.Phil and PhD scholars. Prof. Dr. Kanwal Ameen, Dr. Shafiq Ur Rehman and Ms. Syeda Hina Batool were the resource persons. There were five sessions related to different aspects of qualitative research and NVIVO software. Dr. Shafiq Ur Rehman was coordinator for this joint event.



- 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 workshop on Quantitative Analysis using AMOS was conducted for MPhil and PhD students of the department 2015.
- Faculty and Research Students Participation in International Conferences
 - *In Pakistan*

The following oral presentations and papers were presented at "Looking Back, Moving Forward: International Conference on Information Management & Libraries (ICIML)", 10-13 November 2015 held at University of the Punjab:

 - Mumtaz Ali Anwar. "To Information Management and Beyond"
 - Shafiq Ur Rehman. "Training Needs Assessment of Social Sciences Research Students"
 - Syeda Hina Batool. "Provisions for Information Literacy Practice across Primary Curriculum: An Assessment".
 - Alia Arshad & Kanwal Ameen. "Academics' Perceptions of Usefulness of Higher Education Commission Consortium of E-Journals: A case of University of the Punjab"
 - Amara Malik & Kanwal Ameen. "A Comparison of Library and Information Science Curriculums in Pakistan with IFLA Guidelines "
 - M. Naveed & Kanwal Ameen. "Measuring Information Seeking Anxiety among Research Students"
 - Saira Soroya & Kanwal Ameen. "Reading Trends of Youth in Pakistan: A pilot study"
 - Midrar Ullah and Kanwal Ameen. "Barriers When Advocating or Providing Information Literacy Instruction in Medical Institutions of Pakistan."
 - M. Tariq & Shafiq Ur Rehman. "Is English Language a barrier in Research Productivity among Information Professionals? A descriptive study"
 - M. Tufail Khan, Anela Zahid & Muhammad Rafiq. "Journey From Library Management Software (LMS) to KOHA by Government College University Libraries, Lahore"
 - Memoona Iqbal, Muhammad Rafiq & Kanwal Ameen. "Factors Affecting the Students' Selection and Use of Websites"
 - Sadaf Rafiq & Nosheen F. Warraich. "Utilization of E-books among Undergraduate Students of Government Medical Colleges of Lahore"
 - Mr. Tauseef Hussain & Nosheen F. Warraich. "Status of Prison Libraries in Lahore: A Case Study".



- *In Abroad*
 - Dr. Shfiq Ur Rehman presented a paper “Users’ Evaluation of Library Service Quality: A Study of Public Sector University Libraries of Pakistan” at the 7th Quantitative and Qualitative Methods in Libraries International Conference (QQML2015), May 26- 29, 2015. Paris, France
 - Warraich, Nosheen F. Fatima, N., & Ameen, Kanwal. (2015). Human Resource Management in Pakistani University Libraries: Managers’ Viewpoint. International Conference on Studies in Humanities and Social Sciences (ICSHSS'15) July 29-30, 2015 Phuket,Thailand.
 - Syeda Hina Batool presented a paper "Assessing children’s IL skills: Findings from a multiple case study of six primary schools in Pakistan" at i3 Conference, 23-26 June 2015 at Robert Gordon University, Scotland.
 - Syeda Hina Batool attended iFutures conference on 7th July 2015, organized by School, University of Sheffield, UK.
- Participation in Conferences, 2016

Paper presented at ECIL (conference) held in Prague, 10-13 October, 2016:

 - Arshad, Alia; Ameen, Kanwal Academics’ Perceived Usefulness of Higher Education Commission E-journals at University of the Punjab, Pakistan
 - Ameen, Kanwal; Ullah, Midrar Information Literacy Instruction: An Overview of Research and Professional Development in Pakistan
 - Batool, Syeda Hina; Webber, Sheila Information Literacy (IL) Integration Provision in the Curriculum and Primary School Teachers’ Teaching Practice: A Case of Pakistan
 - Children’s Information Literacy: a Suggested Framework for Primary Schools in Pakistan.
- As Invited Speaker
 - Prof. Dr. Kanwal Ameen
 - 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. (i) 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.
 - Gave a Seminar on ‘E-Governance and Digitization of Libraries’ in a training course for college librarians organized by Management and Professional Development Department, Govt. of the Punjab on 16 Sept. 2015
 - Gave a Seminar on Collection Development and Management in Libraries, in a training course for college librarians organized by Management and Professional Development Department, Govt. of the Punjab on 28 Sept. 2015



- 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

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. Nasira Jabeen	Public Service Motivation & the big five personality traits	Journal of Research	2015
2	Dr. Nasira Jabeen	Governance and Management of Higher Education Institutions in Pakistan: A Case of Lahore College for Women University	Global Management Journal for Academic and Corporate Studies	2015
3	Dr. Nasira Jabeen	Evaluation of Tenure Track System in Higher Education Institutions of Pakistan: An HRM Perspective	Journal of New Horizons	2015
4	Dr. Nasira Jabeen	Mentoring, Networking and Politicking in Higher Education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
5	Dr. Zafar Iqbal Jadoon	Public Service Motivation & the big five personality traits	Journal of Research	2015
6	Dr. Zafar Iqbal Jadoon	Governance and Management of Higher Education Institutions in Pakistan: A Case of Lahore College for Women University	Global Management Journal for Academic and Corporate Studies	2015
7	Dr. Nighat Ansari	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015
8	Dr. Nighat Ansari	Role of Micro finance institutions in women empowerment: A case study of Akhuwat Pakistan	South Asian Studies	2015
9	Dr. Nighat Ansari	E-Text website quality: A Evaluation Framework	Pakistan Journal of Information Management and Libraries	2015
10	Dr. Nighat Ansari	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
11	Muhammad Zahid	Evaluation of Tenure Track System in Higher Education Institutions of Pakistan: An HRM Perspective	Journal of New Horizons	2015



12	Dr. Amani Moazzam	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015
13	Dr. Amani Moazzam	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
14	Dr. Amani Moazzam	Role of Micro finance institutions in women empowerment: A case study of Akhuwat Pakistan	South Asian Studies	2015
15	Dr. Amani Moazzam	E-Text website quality: A Evaluation Framework	Pakistan Journal of Information Management and Libraries	2015
16	Dr. Yaamina Salman	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
17	Ms. Zahra Paul	Public Service Motivation & the big five personality traits	Journal of Research	2015
62.	Ms. Umm-e-Farwa Mubabasher	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015

INSTITUTE OF BUSINESS ADMINISTRATION

○ **Projects:** Completed

“Adoption and Diffusion of Information Systems in Higher Education Institutions in Pakistan”, has been completed by Mr. Zeshan Ahmer, Lecturer –IBA, a project of 2012-2013, approved for financial assistance from the University of the Punjab.

○ **Projects:** Newly launched

- Dr. Humaira Asad, Assistant Professor-IBA has been granted Research Grant by University of the Punjab amounting to Rs. 150000/- under project titled “Risk Management Issues and Practices in Islamic Banking” FY 2015-2016.
- Dr. Sania Zahra Malik, Assistant Professor-IBA has been granted Research Grant by University of the Punjab amounting to Rs. 150000/- under project titled “The Perils of Academic publishing in Management studies in Pakistan: What the faculty know so far” FY 2015-2016.
- Dr. Rafia Faiz, Assistant Professor-IBA has been granted Research Grant by University of the Punjab amounting to Rs. 150000/- under project titled “An empirical of within-gender different among working women in Pakistan” FY 2015-2016.
- Ms. Masooma Iftikhar, Lecturer-IBA has been granted Research Grant by University of the Punjab amounting to Rs. 125000/- under project titled “Virtual-Banking: The Customers’ Concerns of Security, Authenticity and Reliability” FY 2015-2016.



○ **Publications**

- Dr. Sania Zahra Malik, Assistant Professor-IBA, Kazmi, S.Z., Nadeem, N., (2016) The Effect of Perceived Organizational Support on Doctors' Organizational Commitment in Pakistan, *The Lahore Journal of Business*, Pakistan: 4(2) Spring 2016 73-92, (Recognized "Z" Category by HEC).
- Dr. Sania Zahra Malik, Assistant Professor-IBA & Khalid, N. (2016) Psychological Contract Breach, Work Engagement and Turnover Intention Evidence From Banking Industry in Pakistan, *Pakistan Economic and Social Review*, Volume 54, No. 1 (Summer 2016), pp. 37-54 (Recognized "X" Category by HEC).
- Dr. Sania Zahra Malik, Assistant Professor-IBA, Saleem, M., & Naeem, R. (2016) Effect of Leadership Styles on Organizational Citizenship Behaviour in Employees of Telecom Sector in Pakistan, *Pakistan Economic and Social Review*, Volume 54, No. 2 (Winter 2016), pp. 385-406 (Recognized "X" Category by HEC).
- Dr. Sania Zahra Malik, Assistant Professor-IBA & Shahid, S., (2016) Effect of Emotional Intelligence on Academic Performance among Business Students in Pakistan *Bulletin of Education and Research: June 2016, Vol. 38, No. 1 pp. 197-208* (Recognized "Y" Category by HEC).
- Dr. Sania Zahra Malik, Assistant Professor-IBA & Naeem, R., (2016) Organizational Virtuousness, Perceived Organizational Support and Organizational Citizenship Behavior: A Mediation Framework, *Journal of Behavioural Sciences*, Vol. 26, No. 1, 2016 (Recognized "X" Category by HEC).
- Dr. Rafia Faiz, Assistant Professor (Adhoc)-IBA, Faiz, F.A., & Ahmer, Z. (2016) Understanding Student's Attitude Towards Women as Managers, *Science International (Lahore)* 28(3),2897-2904,2016, (Recognized "Y" Category by HEC).
- Dr. Rafia Faiz, Assistant Professor (Adhoc)-IBA & Anam H., (2016) An Empirical Examination Of Brand Loyalty Via Customer Delight In Pakistan, *Journal of Management and Research*, 3(1) 2016(online) (Recognized "Z" Category by HEC).
- Dr. Rafia Faiz, Assistant Professor (Adhoc)-IBA & Asad, H., Khan, M., Awan, S. H., (2016) Impact of Nutritional Labelling on Purchase Intention of Dairy Products, *Science International (Lahore)* 28(4),99-106, 2016 (Recognized "Y" Category by HEC).
- Ms. Wajiha Kazim, Lecturer-IBA & Jabeen, N., (2016) Recruitment and selection practices of Faculty in Higher education institutions: A case of the University of the Punjab, *Journal of Research Society of Pakistan* 53(1),41-53, 2016 (Recognized "Y" Category by HEC).

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

- Dr. Humaira Asad, Assistant Professor-IBA & Mr. Hammad Bin Azam Hashmi attended and presented a paper on "Impact of Perceived Store Environment on Impulse Buying Behavior: Mediating Role of Shopping Enjoyment and Moderating Role of Hedonic Shopping Motives" in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.



- Dr. Humaira Asad, Assistant Professor–IBA & Ms. Aatiqa Khan attended and presented a paper on “Risk Impact of Behavioral Biases across the Stock Market Investors: Evidence from Pakistan” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Humaira Asad, Assistant Professor–IBA & Ms. Nida Usman attended and presented a paper on “Job Crafting and its Outcomes: A Comparative Study of Public and Private Sectors in Pakistan” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Humaira Asad, Assistant Professor–IBA & Mr. Muhammad Azeem attended and presented a paper on “Impact of Organizational Justice on Organizational Citizenship Behavior: The Mediating Role of Psychological Empowerment Study of Private Banks in Faisalabad” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Humaira Asad, Assistant Professor–IBA & Ms. Rabia Naseem attended and presented a paper on “Mediating Effect of Ethical Climate on the Relationship between Organizational Virtuousness and Organizational Citizenship Behavior and Job Satisfaction” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Ms. Wajiha Kazim, Lecturer–IBA & Ms. Maryam Jameel attended and presented a paper on “What satisfy customers in Clothing industry: The influence of Brand image and product quality?” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Ms. Wajiha Kazim, Lecturer–IBA & Ms. Zubia attended and presented a paper on “The Relations between Verification Strategies, Past Experiences and Customer Trust A Quantitative Study of Students of University of the Punjab Lahore?” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Rafia Faiz, Assistant Professor–IBA, Paracha, D., & Awan, S. H. attended and presented a paper on “Salient determinants of consumers’ attitude towards local cable advertisements in Pakistan.” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Rafia Faiz, Assistant Professor–IBA, Usman, N. & Nadeem, H. attended and presented a paper on “Development of a conceptual model of perils and pitfalls of qualitative data collection in Pakistan.” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Rafia Faiz, Assistant Professor–IBA & Riaz, M. attended and presented a paper on “Career progression dilemma: A case study of “wonder women” in Pakistani banks.” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.



- Dr. Rafia Faiz, Assistant Professor–IBA, & Anam, H. attended and presented a paper on “An investigation of customers’ attitude toward digital and outdoor marketing in Pakistan.” in the International Conference of the South Asian Chapter of AGBA SAICON 2016 held at Islamabad from 24-26 August 2016.
- Dr. Rafia Faiz, Assistant Professor–IBA attended and presented a paper on “Along the continuum of ‘ideal worker’ and ‘good woman’: An examination of work-life interface in Pakistan.” in the 30th Annual British Academy of Management, Newcastle University. U.K. on 06-08 Sep, 2016.
- Dr. Rafia Faiz, Assistant Professor–IBA, Hussain, S., & Hashmi, M.A. attended and presented a paper on “Career experiences of employees on wheelchairs in Pakistan” in the 30th Annual British Academy of Management, Newcastle University. U.K. on 06-08 Sep, 2016.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

○ **Research Publications**

Journals and Books published

- Sarwar, A., Ketyan, C., Butt, N. S. (2015). Impact of eLearning Perception and eLearning Advantages on eLearning for Stress Management: (Mediating Role of eLearning for Corporate Training), *Pakistan Journal of Statistics and Operations Research (PJSOR)*, Vol: XI, No.2, 2015, pp; 241-258
- Gull, S. (2015). Interloop Limited; A journey from ethics to business sustainability. *Building Sustainable Legacies*, 7, 190 – 228.
- Gull, S. (2015). Dynamic Sportswear Ltd: compliance or muddling through sustainability? A perspective from the Pakistani textile industry. *Building Sustainable Legacies*, 7, 229– 258.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

○ **Research and Development**

A Research Project for the fiscal year (2015-16) funded by University of the Punjab was awarded to Dr. Humara Bano and Dr. Ghulam Fatima.

Dr. Samina Ashraf (Assistant Professor)

- Publications
 - A research paper published in Pakistan Journal of Special Education, University of the Karachi, entitled Work place experiences of the adults with hearing impairment in volume 17, 2015.



▪ Paper Presented

- Attended a conference on information and management sciences at Department of Library sciences, University of the Punjab, Lahore, on November, 2015 and presented a paper on use of library services by the persons with disabilities.
- Attended and presented a research paper entitled inclusive education in Baluchistan: a qualitative investigation, in international conference on inclusive on November 3,4, held at University of Management and Technology, Johar Town, Lahore
- Attended participated and presented a research paper in International conference on research in education, ICORE, in November, 25-26, 2015 held at institute of education and research, University of the Punjab, Lahore.
- Attended and presented a research paper entitled 'A Study of the problems of students with visual impairment in social adjustment in an international conference on management, education and social science research ICMESSR, Organized by the University of the Karachi and Iqra University Karachi on April,4-5,2015 held at University of the Karachi.
- Attended, participated and presented a research paper entitled Attitude of parents towards the education of their children students with intellectual disabilities: Development of a scale, in 6th Post Graduate conference held at IER, University of the Punjab, Lahore in March, 2015.

Dr. Rukhsana Bashir (Assistant Professor)

▪ Research and Publication

- Published a paper as principle author "The Experiences of Persons with Deafness at Workplace" in Pakistan Journal of Special Education" Volume 16, December, 2015. ISSN. 2250-1665. Department of Special Education, University of Karachi.

▪ Paper Presented in National Conferences

Presented a paper on "Perceptions of teacher working in special and inclusive schools about the development of adaptive behavior of students with intellectual disabilities" in 7th Post Graduate Students Conference 2016 on March 24, 2016 organized by Institute of Education & Research, University of the Punjab, Lahore.

▪ Lectures Delivered

- Attended 3 days national conference on the Kashmiri issue, organized by the Department of Political Science, University of the Punjab, Lahore.

▪ Conferences/Seminars attended

- Attended 3 days national conference on the Kashmiri issue, organized by the Department of Political Science, University of the Punjab, Lahore.
- Attended 4th international conference on "Education in Pakistan: Connecting research & practice across contexts" on 24-26 March, 2016 organized by University of Education, Lahore, Pakistan.



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.

Dr. Ghulam Fatima (Assistant Professor)

▪ Participation in Workshop / Courses / Seminars

- Participated in a seminar on International Day for Person with Disabilities on December 3, 2015 organized by Child Welfare Centre, University of the Punjab, Lahore.

▪ Publications

- Published a paper as principal author titled “Challenges faced by educated persons with physical disabilities at their workplaces in Pakistan” in Pakistan Journal of Special Education, Vol.16, 2015, ISSN No. 1818-2860. Department of Special Education, University of Karachi.
- Published a paper as principal author titled “Instructional Practices used by Special Education Teachers in Classrooms of Young Children with Deafness” in Bulletin of Education and Research, June 2016, Vol. 38, No. 1 pp.89-100.
- 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.

▪ National Conferences/Seminars

- Presented a poster titled “ Role of Female Teachers in Development of Social Awareness about Deviance: Perceptions of Secondary School Students in Public and Private Sector” in ISESCO Women in Science Conference: Contribution of Pakistani Women in Scientific and Social Development on March 8, 2016 at Quaid-i-Azam University, Islamabad. (Manzar Ali, Misbah Malik, Ghulam Fatima).
- Presented a poster titled “Role of Female Teachers in Personality Development: Perceptions of Secondary School Students in Lahore” in ISESCO Women in Science Conference: Contribution of Pakistani Women in Scientific and Social Development on March 8, 2016 at Quaid-i-Azam University, Islamabad. (Misbah Malik, Manzar Ali, Ghulam Fatima, Abid Hussain).
- Presented a paper as co-author on “ Level of Repentance among Heads of Institutions” in Islamic Tradition in Psychology on 5th March, 2016 organized by Society for Advancement of Muslim Psychology at Lahore School of Management, University of Lahore. Authors: Dr. Misbah Malik, Dr. Ghulam Fatima, Dr. Abid Hussain Ch.



- Presented a paper as co-author on “ Effect of Governance and Management Practices of School Education Department on Performance of Schools in Punjab” in National Conference on Emerging Trends in Governance and Management in Pakistan held on 20th-21st May, 2016 at Pearl Continental, Lahore organized by Institute of Administrative Sciences, University of the Punjab, Lahore. Authors: Dr. Misbah Malik, Dr. Ghulam Fatima, Dr. Abid Hussain Ch.
- International Conferences Attended & Papers Presented
 - Presented a paper titled “ Effect of Achievement Goal Orientation on Students’Self-concept and Achievement in Mathematics at Secondary Level” in International Conference on Research & Practices in Education (ICRPE) held on February 2-3, 2016 organized by Allama Iqbal Open University, Islamabad (Misbah Malik, Abid Hussain Ch., Ghulam Fatima).
 - Presented a paper titled “Parental Involvement in the Provision of Early Childhood Special Education to their Young Children with Deafness” in International Conference on Research & Practices in Education (ICRPE) held on February 2-3, 2016 organized by Allama Iqbal Open University, Islamabad (Ghulam Fatima, Abid Hussain Ch., Misbah Malik).
 - Presented a paper as principal author on “ Antecedents of Early Childhood Special Education Program: A Stake’s Model Perspective” in 4th International Conference on Education in Pakistan: Connecting Research & Practice Across Contexts held on 24-26 March, 2016 organized by University of Education, Lahore. Authors: *Dr. Ghulam Fatima, Dr. Misbah Malik, Dr. Abid Hussain Ch., Dur-e-Nayab*
 - Presented a paper as principal author on “ Contentment of Parents on Availability of Services for their Preschool Age Children with Deafness: A Qualitative Enquiry” in 1st International Research Conference on Economics, Business and Social Sciences held on April 12-13, 2016 organized by School of Economics, Bahauddin Zakariya University Multan, Pakistan. Authors: Dr. Ghulam Fatima, Dr. Misbah Malik, Dr. Abid Hussain Ch.
 - Presented a paper as co-author on “ Strengths, Weaknesses, Opportunities and Threats Analysis of University of the Punjab” in 1st International Research Conference on Economics, Business and Social Sciences held on April 12-13, 2016 organized by School of Economics, Bahauddin Zakariya University Multan, Pakistan. Authors: Saghir Ahmed, Dr. Abid Hussain Ch. Dr. Misbah Malik, Dr. Ghulam Fatima.
 - Presented a paper as principal author on “ Opinions of Experts about Provision of Early Childhood Special Education to young Children with Deafness” in First International Conference on Social Sciences held on 26-27 April, 2016 organized by Sardar Bahadur Khan Women University Quetta. Authors: Dr. Misbah Malik, Dr. Ghulam Fatima, Dr. Abid Hussain Ch.



- Presented a paper as co-author on “Maternal Parenting Styles and Moral Development of Secondary School Students in Punjab: A Correlational Investigation” in First International Conference on Social Sciences held on 26-27 April, 2016 organized by SardarBahaddur Khan Women University Quetta. Authors: MahwishSafder, Dr. Ghulam Fatima, Dr. Misbah Malik.
- Presented a paper as co-author on “ Identification of Underlying factors of Academic Dishonesty in the University of the Punjab” in First International Conference on Social Sciences held on 26-27 April, 2016 organized by SardarBahaddur Khan Women University Quetta. Authors: Sami Ullah, Dr. Misbah Malik, Dr. Ghulam Fatima.

Dr. Munawar Ahmed Malik (Assistant Professor)

▪ Published Papers

- Paper is accepted for publication in "*Pakistan Journal of Special Education*" on "Psychological, Social and Swallowing Issues Linked to Persons with Disabilities" in coming Volume 16, HEC recognized Journal.
- Paper was published in *SCHEMA Annual Journal of Humanities and Social Sciences*, Department of special Education, University of Karachi vol.12, pp.17- 28 on "Attitude of deaf community toward modern technology".
- Paper is accepted in Bulletin of Education and Research (BER), "*Writing Skill Development among Students with Deafness at Elementary Level*", HEC recognized Journal.
- "*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
- *ALIF_ A Strategy for Reading & Writing Development for Students with Hearing Impairment*, Pakistan Journal of Special Education, 2016.

▪ Attended Seminars, Workshops, Conferences etc.

- Attended, 7th international Symposium on Management of Cleft lip and Palate, at Services hospital Lahore, 02-04 March 2015.
- Attended seminar, "Future Prospectus of Pakistan-India Relations" held on March 18, 2015 arranged by Department of Political Sciences Center for South Asian Studies
- Attended 6th. Post Graduate Conference at IER on 18th March, 2015.
- Attended International Conference on "Management, Education and Social Science Research: Emerging Nation's Perspectives" held on April 4-5, 2015 at Iqra University Karachi and presented a paper on "Psychological, Social and Swallowing Issues Linked to Persons with Disabilities".
- Attended a seminar on Inclusive Education in South Punjab: Possibilities held on July 7, 2015 arranged by Al-Ghazali Challenges, opportunities Education Trust, Lahore.
- Attended a Seminar on Academic writing held on August 2015 at Department of Special Education, University of the Punjab, Lahore.



- Attended a seminar on “Kashmir dispute: The past& Future” held on April 17, 2015 at A-Razi Hall U arranged by Pakistan Study Center.
- Conducted and attended a seminar on "White Cane Safety Day" on Oct. 15, at Department of Special Education, University of the Punjab.
- Attended on Internationale day group discussion forum arranged by PIEP in observance of White Cane Day October 15" at PIU on October 19, 2015.
- Attended a Seminar on” Musculoskeletal Health- An integrated approach held on Oct. 28th, 2015 at PSRD, Lahore.
- Attended International Conference on Inclusive Education-2015"Universalizing School agenda through inclusive Approaches: Transition from Rhetoric to Reality held from Nov.3-4, 2015 at UMT.
- Attended University Seminar on "Dengue" at Al-Razi Hall held on 4 Nov., 2015.
- Attended International Conference on Research in Education (ICORE 2015) at IER held from Nov.24-26, 2015 at IER, P.U.
- Attended a Seminar on International Day for Persons with Disabilities held at Ali Auditorium on December 01, 2015.
- Attended International Day for Persons with Disabilities arranged by Child welfare Center on Dec. 03, 2015.
- Attended, 1st.International Social Sciences Conference “*Bridging the Blur in Social Sciences: Approaching the Changing world of Academic Exploration*”, 26-27 April 2016 at SardarBahadur Khan Women’s University Quetta.
- Attended, 4th. International Conference on Research in Education (ICORE-2016), “*Combating Contemporary Challenges through Education*”, 23-25 November 2016 at Punjab University, Lahore, Presented a paper “*Communication Skills as a Correlate of Academic Achievement*”.
- Attended a seminar on “*Human Rights Education and Sensitization for the Inclusion of Students with Special Needs*”, Dec 5, 2016.
- Attended a Panel Discussion, “*Towards an Inclusive Education Model*”, at UMT, November 22nd., 2016.
- Attended a seminar on “*International Day for Persons with disabilities*”, at UMT, November December 13, 2016.
- **Book Review**
Conducted a book review titled “handbook for teachers of Deaf / Hard of hearing students”, forwarded by GSO-1 (Special Education Cell), General Head Quarters, Rawalpindi. In Aug. 2016.



INSTITUTE OF EDUCATION & RESEARCH

▪ **Projects:** Newly launched

Name of Researcher /Sponsoring Agency	Title of Research Project	Status
University of the Punjab	Induction of Newly Qualified Teachers and Assessment of Learning Outcome	Completed
University of the Punjab	Teaching Learning Process in the Multicultural Classroom: A tool for Learning and Development	Completed
University of the Punjab	A Study of Supervision Issue Faced by Doctoral (M.Phil/Ph.D) Students in a Supervisor–Supervisee Relationship	Completed
University of the Punjab	Alignment between National Curriculum (2006) and Textbook of Grade IX Science Subjects in Punjab	Completed
University of the Punjab	Pragmatic Analysis of Educational Institutional Development-A Yardstick for Policy Development	Completed
University of the Punjab	Effect of Laptop Incentive on Prospective Teachers I.T Skills in IER	Completed
University of the Punjab	Photo Catalytic Degradation of Textile dye Effluent	Completed
University of the Punjab	Perceptions of Teachers and Students Regarding English-Medium Instructions at Secondary Education in Punjab Province of Pakistan	In Progress
University of the Punjab	Relationship of Curricular Demands with academic self regulation and academic excellence in students' performance in Higher Education	In progress
University of the Punjab	Impact of Cooperative Learning Intervention on Students' Achievement and logical reasoning	In progress
University of the Punjab	Investigating the students' understanding of science concepts using concept cartoons	In progress
University of the Punjab	A Study to Explore the Influence of SMS (Short Message Service) Language on Academic Writing of Students at Post-Graduate Level	In progress
University of the Punjab	Investigating the Students' Understanding of Science Concepts using Concept Cartoons	In progress
Higher Education Commission (HEC)	Situation Analysis of Teaching Learning Process at University Level-A Focus on Total Quality Management	In-Progress



University of the Punjab	Culture and Education in Pakistan, Philippines and England – A Comparative Analysis	In Progress
University of the Punjab	A Survey of Science Practical Work in Secondary Schools in Punjab	In Progress
University of the Punjab	Applying Six Major Principal of Effective Instructional Tools in Science Inquiry to Accommodate Diverse Learner at Upper Middle School	In Progress
University of the Punjab	Predictive Validity of Entry Scores with CGPA of Master degree in Education and Teaching Skills of Prospective Teachers	In Progress
University of the Punjab	Development and Validation of Instrument for Screening Competent Teacher.	In Progress
University of the Punjab	Determinants of Academic Achievement of Prospective Teachers.	In Progress
University of the Punjab	Semi Standardization of An Achievement Test in the Subject of Physics at Secondary Level	In Progress
University of the Punjab	Inclusion of Pictures/Photographs & Figures in Automatic Engine to Generate and Print Objective type Assessment Tool (development, Implementation and Evaluation)	In Progress
University of the Punjab	How to Teach Conflict Management in Teacher Education	In Progress
University of the Punjab	Performance Analysis of Newly Qualified Teachers: Context of Academic Achievements of Secondary School Students	In Progress
University of the Punjab	Analysis of Learning Process in the Diversified Cultural Context	In Progress
University of the Punjab	Development of Emotional Intelligence Scale for Teachers	In Progress
University of the Punjab	An Evaluative Study on Alignment Between Science Curriculum & Textbooks at Secondary Level	In Progress
University of the Punjab	Assessment for Up-gradation of Technology Education Programme: Focus on Wood, Metal & Electricity Laboratories	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	A Study of Prospective Teachers' Experience about Adjustment, Students Behavior and Personal Satisfaction During Teaching Practices.	In Progress



University of the Punjab	A Study of Developing a Career Counseling Model with the Help to Teachers in the University of the Punjab	In Progress
University of the Punjab	Correlation between Early-Childhood Prospective Teachers' Mathematics Achievement Scores and Attitude Scores towards Teaching of Mathematics	In Progress
University of the Punjab	A study of L2 Motivation of English Language Learners from Rural/Remote areas of Punjab, Pakistan	In Progress
University of the Punjab	Continuing Professional Development (CPD) for Secondary School Principals	In Progress
University of the Punjab	Exploring the Scientific Literacy of Prospective Teachers at Elementary Level.	In Progress
University of the Punjab	Exploring Connection Between Student's Self Construction and Academic Performance at Undergraduate's Level	In Progress
University of the Punjab	Master of Business Education Programme Effectiveness Assessment	In Progress
University of the Punjab	Identification of verbal & Numerical Reasoning and its relationship with Academic Achievements of Prospective Teachers of Secondary School	In Progress
University of the Punjab	Comparative Study to Explore the learning styles o Graduate in University o the Punjab	In Progress

○ **Publications**

Sr. No.	Name of Author	Title of Paper/Article
1	Dr. Mumtaz Akhter	The Perceptions of High School Mathematics Problem Solving Teaching Methods in Mathematics Education. Bulletin of Education and Research 37 (1)
2	Dr. Mumtaz Akhter	Factors Affecting ICT Usage in Class: An Exploration of Teachers' Perceptions. Journal of Education, The Sindh University 44(2) 2015.
3	Dr. Mumtaz Akhter	Impact of Cooperative Learning on English Language Development of Low and High Ability Student. Journal of AYER, Vol. 4, 2015, page 190-199.
4	Dr. Mumtaz Akhter	Fluctuation in Dispositions of Instructional Planning and Strategies (DIPS) with Teaching Practice: Development or Decline? Journal of AYER, Vol. 3, 2015, page 106-116.
5	Dr. Mumtaz Akhter	Effect of Metacognition on Task Performance of Prospective Teachers in Pakistan. Journal of AYER, Vol. 2, 2015,
6	Dr. Mumtaz Akhter	Evaluation of the Improvement in the Quality of PhD Theses Produced during 2001-2012: A case study of Pakistani Universities. Bulletin of Education and Research Vol. 36, No. 2.



7	Dr. Mahr Muhammad Saeed Akhtar	Understanding Syed Abdul A'ala Maudoodi's Educational Thoughts. The Dialogue (Quarterly Research Journal) ISSN 10
8	Dr. Mahr Muhammad Saeed Akhtar	Effect of Organizational Justice on Faculty Trust in University Education Faculties. Journal of Research and Reflections in Education. 8
9	Dr. Mahr Muhammad Saeed Akhtar	A Study to assess the undergraduate university students' academic adjustment. Journal of Educational Sciences and Research ISSN 2310-7901 2015
10	Dr. Mahr Muhammad Saeed Akhtar	Exploring the Intellectuals Contributions and Educational Thoughts of Syed Abul A'ala Maududi (A jointly Authored Paper) Ma'arif Research Journal ISSN2221-2663. 10
11	Dr. Mahr Muhammad Saeed Akhtar	Impact of English as Medium of Instruction on Student Learning at Primary in Lahore Cantt. The Dialogue (Quarterly Research Journal)
12	Dr. Mahr Muhammad Saeed Akhtar	Relationship between Organizational Culture and Organizational Effectiveness in Public and Private Sector Universities o Pakistan. Science International
13	Dr. Mahr Muhammad Saeed Akhtar	Measuring Work Stress of Marketing Professionals, Business Review
14	Dr. Mahr Muhammad Saeed Akhtar	Dar ul Uleem Deoband Ka A'gaz o Irtaqa, Pakistan Journal of Islamic Research.
15	Dr. Mahr Muhammad Saeed Akhtar	Chairmen of Parents Teachers Council and Community Involvement in Public Sector Schools of Khyber Pukhtunkhwa, Ma'arif Research Journal
16	Dr. Mahr Muhammad Saeed Akhtar	Tahrike Darus Salam Pathan Kot K asrt k Tehqiqi Tajzia. Ma'arif Research Journal.
17	Dr. Mahr Muhammad Saeed Akhtar	Relationship between Teachers' competencies and Motivation at Higher Education Level in Pakistan. Pakistan Annual Research Journal, Pakistan Study Center University of Peshawar.
18	Dr. Mahr Muhammad Saeed Akhtar	Assessing Potential for Teacher Leadership: The case of Prospective Teachers. Journal of Research and Reflections in Education, University of the Education
19	Dr. Mahr Muhammad Saeed Akhtar	Relationship of leadership behavior with leadership outcomes in public schools. Journal of Quality & Technology Management.
20	Dr. Mahr Muhammad Saeed Akhtar	Development and Validation of Organizational Environment Scale (OES) for University Teachers. Journal of Research and Reflections in Education.
21	Prof. Dr. Rafaqat Ali Akbar	Problems of Distance Learners regarding Assessment Process in Pakistan. Bulletin of Education and Research, Vol. 37 No. (2).



22	Prof. Dr. Rizwan Akram Rana	Brining Future in Class: Integrating Career Planning Activities in Teaching Learning Process. The Sindh University Journal of Education Vol. 44 No. 1, 2015.
23	Prof. Dr. Rizwan Akram Rana	Using "Pub Quiz" to Promote Participation and Active Learning in Prospective Teachers. Journal Pendidikan Malaysia 40(2) 2015
24	Prof. Dr. Rizwan Akram Rana	Motivation and Science Performance: Influence On Student Learning in Science. Sci. Int(Lahore) 27 (2).
25	Dr. Abdul Qayyum	A Study of Mother's Knowledge about Childcare and care Practices in Lahore, Pakistan Bulletin of Education and Research (BER) 37 (2)
26	Dr. Abdul Qayyum	Parent's Involvements in Their Child Academic Achievement. Pakistan Vision 16(1)
27	Dr. Abdul Qayyum	Comparative Study of Teaching Effectiveness of Trained and untrained teachers at School Level working in Private Sector. Science International
28	Ms. Tayaba M. Akram	Exploring the Factors Responsible for Declining Students' Interest towards Chemistry. International Journal of Information and Education Technology
29	Dr. Muhammad Shahid Farooq	Learning through Assistive Devices: A Case of Students with Hearing Impairment. Bulletin of Education and Research 37 (1)
30	Dr. Shaukat Ali Raza	Measuring Work Stress of Marketing Professionals. Business Review, 10(1).
31	Dr. Tahir Mahmood	Impact of Institutional Development. Secondary Educational Journal.
32	Ms. Tayyaba Muhammad Akram	"Effect of Students personality Traits and Attitude on Chemistry Achievement"
33	Ms. Tayyaba Muhammad Akram	Investigating of the Relationship between Students Learning Difficulties and Misconceptions in Chemistry
34	Dr. Muhammad Saeed	Relationship between School Climate, Job Satisfaction and Job Performance of Secondary School Teachers in Punjab. Journal of Secondary Education a biannual Department of Secondary Education, IER 3(1).
35	Dr. Munaza Nousheen Dr. Effat Alvi	Attitudes of Postgraduate Students towards Cooperative Learning. Journal of Educational Research 16 (2)

- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - Prof. Dr. Mumtaz Akhter, organized & participated in 3rd International Conference on Research in Education being organized by IER, University of the Punjab, Lahore from November 24-26, 2015.
 - Prof. Dr. Rafaqat Ali Akbar participated and worked as organizing secretary in 3rd International Conference on Research in Education (ICORE 2015) held on November 24-26, 2015 organized by Institute of Education and Research, University of the Punjab, Lahore.



- Prof. Dr. Rafaqat Ali Akbar participated in 7th Post Graduate Conference on Research in Education Organized by Institute of Education and Research, University of the Punjab, Lahore, held on March 24th 2016.
- Prof. Dr. Rafaqat Ali Akbar, Session Chair in National Conference on Education; Education for Tomorrow, Issues Challenges and Prospects, Organized by Institute of Education and Research, University of Peshawar, July 19-21, 2016.
- Prof. Dr. Rafaqat Ali Akbar, participated and presented paper on “Barriers of Stating and Sharing Learning Objectives with students Opinion of Teacher Educator” in National Conference on Education; Education for Tomorrow, Issues Challenges and Prospects, Organized by Institute of Education and Research, University of Peshawar held on July 19-21, 2016.
- Prof. Dr. Rafaqat Ali Akbar attended seminar on “Problems of Conducting Research in Pakistan”, Organized by Islah International Institute of Sciences Languages and Humanities, Lahore, June 5th 2016.
- Prof. Dr. Rafaqat Ali Akbar participated in the Orientation Session on Integrated Reading Courses Developed for ADE and B.Ed. (Hons) Organized by USAID Reading Project, Islamabad held on July 25-28, 2016.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on “Perceptions of Prospective Teachers about Teacher Educators’ Presentation Skills in the Classroom” in 3rd International Conference on Research in Education held on November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on The Teachers’ Perceptions about Formative Assessment, 3rd International Conference on Research in Education November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on “Problems in Teaching Practice as Perceived by Distant Learners and Regular Student Teachers” in 3rd International Conference on Research in Education held on November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on “Prospective Teachers’ Personal Practical Theories (PPTS) at University of the Punjab” in 3rd International Conference on Research in Education held on November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on “A Study to Explore the Impact of School Teacher’s Burnout on their Job Efficiency” in 3rd International Conference on Research in Education held on November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.
- Prof. Dr. Rafaqat Ali Akbar participated and presented a paper on “Barriers of English as Medium of Instruction at Elementary Level in Public Sector Institution of Lahore” in 3rd International Conference on Research in Education held on November 24-26, 2015 Institute of Education and Research, University of the Punjab, Lahore.



- Mrs. Tayyaba Muhammad Akram, participated and presented titled “Exploring the Factors Responsible for Declining the Interest of Students towards Chemistry” paper in 3rd International Conference on Behaviors, Education and Psychology –ICBEP 2015 at New York, USA from 12-12-2015 to 24-12-2015.
- Dr. Tahir Mahmood, participated and presented paper in International Conference Africa New Perspectives to be held on May 25-27, 2016 in the Institute of African Research and Studies at Cairo University, Cairo Egypt from 23-05-2016 to 30-05-2016.
- Dr. Muhammad Saeed, participated in two days NACTE Conference 2015, being organized by National Accreditation Council for Teacher Education in Collaboration with IER, University of the Punjab, Lahore from October 27-28, 2015.
- Dr. Muhammad Saeed, participated in 1st National Conference in Social Sciences being organized by Faculty of Social Sciences and Humanities, AIU, Islamabad from November 4-5, 2015.
- Dr. Muhammad Saeed, participated in 3rd International Conference on Research in Education being organized by IER, University of the Punjab, Lahore from November 24-26, 2015.
- Dr. Muhammad Saeed, participated in 1st International conference on Research and Practices in Education being organized by Faculty of Education, Allama Iqbal Open University, Islamabad from February 2-3, 2016.
- Dr. Muhammad Saeed, participated in 7th Post Graduate Students Conference on Research in Education, being organized by IER, University of the Punjab, Lahore from on 24-03-2016.
- National/International Conferences Organized by IER
 - 7th Post Graduate Students Conference 2016 on “Research in Education” on 24 March, 2016 was organized by Students Affairs Committee, Institute of Education & Research, University of the Punjab, Lahore, Pakistan.
 - Institute of Education and Research has planned to organize “3rd International Conference on Research in Education (ICORE 15), on November 24-26, 2015. A large number of researchers, teachers; educators, teachers practitioners, social scientist, students and professionals around the world for presentation and shared research based knowledge, experiences new advancements empirical results and innovations in the field of education. ICORE organizing committee received 423 research papers from National and International researchers which were peer reviewed and 308 papers were accepted for presentation.
- Book Launching Ceremony

The Book Launching Ceremony of the Book entitled “Education Policies in Pakistan: Politics, Projects and Practices” by Dr. Shahid Siddiqui, Vice Chancellor, Allama Iqbal Open University, Islamabad was organized on 11th May 2016 at Waheed Shaheed Hall, IER. Prof. Dr. Mujahid Kamran, Vice-Chancellor, University of the Punjab, Lahore Dr. Rauf-e-Azam, Vice-Chancellor, University of the Education and Dr. Uzma Qureshi Vice-Chancellor, LCWU, expressed their views as guest speakers of the Ceremony.



- **Workshop Organized by IER**
The Department of Business Education, IER organized a 3-days Business Week “PARWAZ 2016”, March 29-31, 2016. CEOs/HR Managers/Executive Directors and Media Managers from 24 National and Multi National Business/Educational organizations participated and shared their experiences and success stories with our students. They evaluated Business Plans, Posters, and adds prepared by students and appreciated their entrepreneurial skills as a key to promote entrepreneurship both in business and educational fields.
- **Lectures Organized by IER**
A series of lectures entitled “My Teacher” were organized by Department of Elementary Education, IER, University of the Punjab. Faculty members and students appreciated and attended the said series of lectures.
- **Research Journals** (Authors Name, Article Name, Journal with date)
 - Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 38, No. 1, 2016.
 - Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 37, No. 2, 2015.
 - Journal of Secondary Education, Institute of Education and Research, University of the Punjab Lahore Volume 4, No.1, 2015.
 - Journal of Elementary Education Institute of Education and Research, University of the Punjab Lahore Volume 25 No 2, 2015.
 - Journal of Elementary Education Institute of Education and Research, University of the Punjab Lahore Volume 26 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. It focuses its teaching/research activities on characterization of indigenous coals and their use for coal gasification, coal fired electricity generation, domestic utilization of coal, substitution of furnace oil/ natural gas by coal in the industrial sector and transfer of coal technology from developed / developing countries to Pakistan.



○ **Projects:** Completed

List of Research Projects Completed

- Beneficiation of Lakhra coal by leaching with H_2O_2 and H_2SO_4 mixtures.
- Extraction of humic acid from coal
- Leaching with NaOH by floated concentrate of Mianwali coal
- Beneficiation of Lakhra coal by leaching with H_2O_2 and H_2SO_4 mixtures
- Upgradation of Chamalang coal by agglomeration technology using castor oil
- Briquetting of Dukki coal using bitumen binder
- Effect of complexing agent on desulfurization & deashing of coal by H_2O_2 and H_2SO_4 leaching
- Steam gasification of coal in bubbling fluidized bed
- Froth flotation of Khushab coal using sea water
- Effect of torrefaction on characterization of coal and biomass blends
- Extraction of liquid humic acid from lignite
- Agglomeration of khushab coal using kerosene oil
- Desulfurization of concentrate of froth flotation by leaching with sodium hydroxide of Mianwali Coal

○ **Publications**

- Rizvi AH, Daood SS, Javed MT, Munir S, Pourkashanian M, Nimmo W. Reactivity Analysis of Pakistani Thar Lignite Reserves in Oxidizing Thermogravimetric Analysis Atmospheres. *Energy & Fuels*. 2015; 29:5349-60.
- Wahab A, Nawaz S, Shahzad K, Akhtar J, Kanwal S, Munir S, et al. Desulfurization and Demineralization of Lakhra Coal by Molten Caustic Leaching. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. 2015; 37:1219-23.
- U Rafaqat, J Akhtar, NU Sheikh, S Munir, Cleaning of Dukki (Baluchistan) coal by oil agglomeration process, *International Journal of Oil, Gas and Coal Technology* 9 (1), 79-88 (2015)
- Javaid Akhtar, Nor Aishah Saidina Amin, Ozonation of cephalexin antibiotic using granular activated carbon in a circulating reactor, *Journal of Chemical Society Pakistan J. Chem. Soc. Pak.*, Vol. 37, 2015 Pages 653-663
- Haider, R., Ghauri, M.A., Akhtar, K., 2015. Isolation of Coal Degrading Fungus from Drilled Core Coal Sample and Effect of Prior Fungal Pretreatment on Chemical Attributes of Extracted Humic Acid. *Geomicrobiology Journal* 32(10), 944-953
- Haider, R., Ghauri, M.A., 2015. Geo-Microbial Niches: The Control Rooms for Securing Energy Access. *Fuel* 153(C), 717-719
- Haider, R., Ghauri, M.A., Jones, E.J., Orem, W.H., SanFilipo, J.R., 2015. Structural Degradation of Thar Lignite using MW1 Fungal Isolate – Optimization Studies. *International Biodeterioration & Biodegradation* 100, 149-154



○ **Research Collaboration:** Indigenous

- Research projects are assigned to the students keeping in view the problems faced by local industry utilizing coal.
- Collaborating with the Punjab Govt. for assessment of feasibility reports submitted by organizations for the installation of coal-fired power generation plants in Punjab based on locally available coals.
- Collaborating with the Punjab Govt. for assessment of coal quality from the newly discovered coal deposits in Punjab.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

○ **Research & Development:** An overview

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:**

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 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

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

Dr. Atif Islam (Assistant Professor)

Title	Amount and Duration	Funding Agency	Status
Polymer nanocomposites; Visco-elastic, thermal and mechanical properties	0.5 Million 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
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

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

Nafisa Gull, Shahzad Maqsood Khan, Muhammad Azeem Munawar, Muhammad Shafiq, Farheen Anjum, Muhammad Taqi Zahid Butt and Tahir Jamil.	Synthesis and Characterization of Zinc Oxide (ZnO) Filled Glass Fiber Reinforced Polyester Composites. Materials and Design 67, 313-317 (2015). (IF = 3.171)
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- 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
- **Research Journals**
Papers Published
 - Shahzad Maqsood khan, Nafisa Gull, Muhammad Azeem Munawar, Saba Zia, Farheen Anjum, Sajid Iqbal Niazi, Muhammad Shafiq, Atif Islam, Muhammad Arif Butt, Muhammad Taqi Zahid Butt, Tahir Jamil. Polyphenylene Sulphide/Carbon Fiber Composites: Study on their Thermal, Mechanical and Microscopic Properties. Iranian Polymer Journal, 25 (June, 2016) 475-485. DOI 10.1007/s13726-016-0439-3. (I.F. = 1.543).
 - Tehseen Riaz, Farah Kanwal, Saadat Anwar Siddiqi, Nafisa Gull, Tahir Jamil, Akbar Ali, Aisha Batool, Shah Nawaz Phulpoto, Khalid H. Thebo. Study of Conducting Properties of Chemically Synthesized Polyaniline/crystalline Silica Composites. International Journal of Scientific & Engineering Research, 7(6) (June, 2016) 513-519.
 - Nafisa Gull, Shahzad Maqsood khan, Atif Islam, Saba Zia, Muhammad Shafiq, Aneela Sabir, Muhammad Azeem Munawar, Muhammad Taqi Zahid Butt, Tahir Jamil. "Effect of Different Oxidizing Agents on Polyaniline/Single Walled Carbon Nanotube Composites Synthesized via Ultrasonically Initiated in-situ Chemical Polymerization". Materials Chemistry and Physics, 172 (April, 2016) 39-46 (I.F. = 2.283).
 - Atif Islam, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, Muhammad Azeem Munawar, Muhammad Shafiq, Aneela Sabir, Tahir Jamil. "Evaluation of Selected Properties of Biocompatible Chitosan/Poly (Vinyl Alcohol) Blends". International Journal of Biological Macromolecules, 82 (January, 2016) 551-556. doi:10.1016/j.ijbiomac. 2015.09.073 (I.F. = 3.671).
 - Atif Islam, Zahid Imran, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, Muhammad Shafiq, Aneela Sabir, Muhammad Azeem Munawar, Muhammad Hamid Raza, Tahir Jamil. "An Investigation of AC Impedance and Dielectric Spectroscopic Properties of Conducting Chitosan-Silane Crosslinked Poly(vinyl alcohol) Blended Films". Materials Research, 18 (November, 2015) 1256-1263. DOI: <http://dx.doi.org/10.1590/1516-1439.043715> (I.F. = 0.884).



- Ahmad, S. Waheed, S.M. Khan, S. Gul, M. Shafiq, M. Farooq, K. Sanaullah, T. Jamil, Effect of silica on the properties of cellulose acetate/polyethyleneglycol membranes for reverse osmosis, *Desalination* 355 (2015)1–10. (Impact factor 5.527).
- Adnan Ahmad, Fahad Jamshed, Tabinda Riaz, Sabad-e Gul, Sidra Waheed, Aneela Sabir, Adnan Alhathal AlAnezi, Muhammad Adrees, and Tahir Jamil, 'Self-Sterilized Composite Membranes of Cellulose Acetate/Polyethylene Glycol for Water Desalination', *Carbohydrate Polymers*, 149 (2016), 207-216. (Impact factor 4.8).
- Aneela Sabir, Shafiq M, Islam A, Sarwar A, Dilshad MR, Shafeeq A, Butt MTZ, Jamil T Fabrication of tethered carbon nanotubes in cellulose acetate/polyethylene glycol-400 composite membranes for reverse osmosis *Carbohydrate Polymers* 132 (2015) 589–597 (I.F=5.130).
- Aneela Sabir, Shafiq M, Islam A, Jabeen F, Shafeeq A, A Ahmad, Butt MTZ, Jacob KI, Jamil T,(2016), Conjugation of silica nanoparticles with cellulose acetate/polyethylene glycol 300 membrane for reverse osmosis using MgSO4 solution. *Carbohydrate Polymers*, Volume136, 551–559 (I.F=5.130).
- Maria Wasim, Aneela Sabir, Muhammad Shafiq, Atif Islam, Tahir Jamil, 2016, Preparation and characterization of composite membrane via layer by layer assembly for desalination, *Applied Surface Science*, volume 396, pages 259-268, (I.F=3.387).
- Muhammad Azeem Munawar, Shahzad Maqsood Khan, Nafisa Gull, Atif Islam, Muhammad Shafiq, Muhammad Taqi Zahid Butt, Tahir Jamil, 2016, Fabrication and characterization of novel zirconia filled glass fiber reinforced polyester (GFRP) hybrid composites, *Journal of Applied Polymer Science*, volume 133 (I.F = 1.860)
- Synergistic effect of functionalized nanokaolin decorated MWCNTs on the performance of Cellulose Acetate (CA) membranes, DOI:10.3390/nano 6040079. *Nanomaterials*, Publisher: MDPI. 3.553
- Tailoring in thermo mechanical properties of ethylene propylene diene monomer elastomer with silane functionalized multiwalled carbon nanotubes, DOI:10.1002/app.4322. *Journal of Applied Polymer Science*, Publisher: WILEY ONLINELIBRARY. 1.866
- Impedance spectroscopy of chitosan/poly (vinyl alcohol) film, Atif Islam, Tariq Yasin, M. J. Akhtar, Zahid Imran, Aneela Sabir, Misbah Sultan, Shahzad Maqsood Khan, Tahir Jamil. *Journal of Solid State Electrochemistry*, 20 (February, 2016) 571-578. (I.F 2.316)
- Synthesis, characterization and permeation performance of cellulose acetate/polyethylene glycol 600 membranes loaded with silver particles for ultra-low pressure reverse osmosis. Sabad-e-Gul, Sidra Waheed, Adnan Ahmad, Shahzad Maqsood Khan, Muhammad Hussain, Tahir Jamil, Muhammad Zuber. *Journal of Taiwan Institute of Chemical Engineers*, 57 (December, 2015) 129-138. (I.F 4.217)
- Sabir A, Shafiq M, Islam A, Khan SM, Jamil T, Zahid MT, Shafeeq A, Shahzad A, Bhatti AS, Habib Y, Behzad S and Jabeen S Influence of polyethylene glycol 600 on cellulose acetate membranes for reverse osmosis desalination *Polymer Research Journal* 9(2) (2015) 291-302 (Nova Publishers).



- Ata S, Tabassum A, Din M.I, Fatima M, Ghafoor S, Islam A, Ahad A, Bhatti MA Novel sonochemical single step fabrication of NiO nanoparticles Digest Journal of Nanomaterials and Biostructures 11(1) (2016) 65–80 (I.F= 0.982).
- Khan YH, Islam A, Sarwar A, Gull N, Khan SM, Munawar MA, Zia S, Sabir A, Shafiq M, Jamil T Novel green nano composites films fabricated by indigenously synthesized graphene oxide and chitosan Carbohydrate Polymers 146 (2016) 131–138 (I.F=5.130).
- Anjum F, Gull N, Khan SM, Munawar MA, Islam A, Niazi SI, Zia S, Shafiq M, Butt MTZ, Jamil T Mechanical, thermal and microscopic profile of novel glass fiber reinforced polyester composites as a function of barium sulphate loading Advances in Polymer Technology Vol. 0, No. 0, (2016) (p. 1-8) DOI 10.1002/adv.21739 (I.F=1.389).
- Khan SM, Gull N, Munawar MA, Islam A, Zia S, Shafiq M, Sabir A, Awais SM, Butt MA, Butt MTZ, Jamil T 2D Carbon Fiber Reinforced High Density Polyethylene Multi-layered Laminated Composite Panels: Structural, Mechanical, Thermal and Morphological Profile Journal of Materials Science & Technology 32 (2016) 1077–1082 (I.F= 2.764).
- Aneela Sabir, Islam A, Shafiq M, Shafeeq A, Butt M. T. Z, Ahmad N. M, Sanaullah K, Jamil T (2015), Novel polymer matrix composite membrane doped with fumed silica particles for reverse osmosis desalination Desalination, volume 368, 159–170 (I.F=5.905).
- Islam A, Yasin T, Aneela Sabir, Khan SM, Sultan M, Shafiq M, Khan AU, Jamil T, 2015, High-temperature electrical properties of silane cross-linked chitosan/poly(vinyl alcohol) membrane: thermal, mechanical and surface characterization, e-Polymers, volume 15(4), 255–261 (I.F=0.949).
- **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
- **Funding grants for R & D**
 - 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: 20**
- **Seminars + Workshops**
Attended by faculty members = 8
- **Research Journals: 01**
- **Research Collaborations**
Universiti Teknologi PETRONAS Malaysia, Jiangxi University of Science and Technology China
- **ORIC: Participating**

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- **Publications: Books/ Edited**

Khairuddin Sanaullah, Afrasyab Khan, Mohd Sobri Takriff, Hushairi Zen, Ajmal Shah, Imran Rafiq Chughtai, Tahir Jamil , Lim Soh Fong, Noaman Ul Haq	Determining potential of subcooling to attenuate hydrodynamic instabilities for steam-water two phase flow. <i>International Journal of Heat and Mass Transfer</i> 84, 178-197 (2015). (IF = 2.522)
Mohammad Zuber; Khalid Mahmood Zia; Muhammad Ashair Iqbal; Zahida Tariq Cheema; Muhammad Ishaq and Tahir Jamil .	Synthesis and characterization of polyurethane based on aliphatic diisocyanate and stiff chain extenders. <i>Korean J. Chem. Eng</i> 32(1), 184-190 (2015).) (IF = 1.241)



Adnan Ahmad, Sidra Waheed, Shahzad Maqsood Khan, Sabad-e-Gula, Muhammad Shafiq, Muhammad Farooq , Khairuddin Sanaullah, Tahir Jamil.	Effect of silica on the properties of Cellulose acetate/Polyethylene glycol membranes for reverse osmosis. Desalination 355, 1-10 (2015). (IF = 3.96)
Sagar, Sadia; Iqbal, Nadeem; Maqsood, Asghari; Shahid, Muhammad; Abbas Shah, Nazar; Tahir Jamil and Bassyouni, Ismail Mohamed.	Fabrication and thermal characteristics of functionalized carbon nanotubes impregnated polydimethylsiloxane nanocomposites. Journal of Composite Materials. 49(8), 995-1006 (2015). (IF = 1.257)
Farooq Ahmed, Sidra Saleemi , Zeeshan Khatri	“Co-Electrospun Poly(ϵ -Caprolactone)/Cellulose nanofibers- fabrication and characterization”, published in Carbohydrate Polymers 115(2015)388-393 (ISSN: 0144-8617) I.F=3.916
Sidra Saleemi , Farooq Ahmed Arain, Samander Ali Malik	“Study of Physical Properties of Nano-Silica Coated Cotton Textiles” Published in Mehran University Research Journal of Engineering & Technology 34 (2), 202-207, 2015 (ISSN 0254-7821).
Samander Ali Malik, Rabia Almas, Zeeshan Khatri, Sidra Saleemi , Chokri Cherif,	Neural network modeling and principle component analysis of antibacterial activity of chitosan/ AgCl-TiO ₂ colloid treated cotton fabric”, published in Fiber and Polymer 16 (5), 1142-1149, 2015 (ISSN: 1875-0052). I.F = 1.113
Abdul Moqeeet Hai	Effect of yarn TPI on comfort and performance of fabrics woven from ring spun and rotor spun yarns. (Accepted for oral presentation in 15th AUTEX world textile conference in Bucharest, Romania)

- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
 - The Chairman Department of Textile Engineering & Technology presiding the conference of the 7th International Conference on Science and Technology (IBCAST), ISLAMABAD
- **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)



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

○ Publications

Sr. No.	Name of faculty member	Title of Paper/Article
1	Prof. Dr. Aamir Ijaz	Evaluation of base for catalytic hydrodechlorination of 2,4-dichlorophenol in cocurrent Down flow contactor reactor
2	Prof. Dr. Mahmood Saleem	Effect of Hydrodynamic Conditions on Emissions of NO _x , SO ₂ , and CO from Co-Combustion of Wheat Straw and Coal Under Fast Fluidized Bed Condition
3	Dr. Amir Shafeeq	Conjugation of silica nano particles with cellulose acetate/polyethylene glycol 300 membrane for reverse osmosis using MgSO ₄ solution
4	Dr. Amir Shafeeq	Effectiveness of different electrodes on the removal efficiency of O-Chlorophenol from industrial waste water



5	Dr. Majid Majeed Akbar	Optimisation on pretreatment of kapol seed (ceiba pentandra) oil via esterification reaction in an ultrasonic cavitation reactor
6	Dr. Majid Majeed Akbar	Cleaner Production of Rubber Seed Oil Methyl Ester using a Hydrodynamic Cavitation: Optimisation and Parametric Study
7	Dr. Majid Majeed Akbar	A review of cleaner intensification technologies in biodiesel production
8	Dr. Majid Majeed Akbar	Kinetic studies on waste cooking oil into biodiesel via hydrodynamic cavitation
9	Dr. Majid Majeed Akbar	Optimisation and Kinetic Studies of Acid Esterification of High Free Fatty Acid Rubber Seed Oil
10	Dr. Majid Majeed Akbar	Density and excess properties of N-methyldiethanolamine (MDEA) with 1-hexyl-3-methylimidazoliumtris (pentafluoroethyl) trifluorophosphate [hmim] [FAP]
11	Dr. Rabya Aslam	Comparative Study of LHHW and ER Kinetic Models for NO Oxidation over Co ₃ O ₄ Catalyst.
12	Dr. Rabya Aslam	Hydrogenation of the Liquid Organic Hydrogen Carrier Compound Dibenzyltoluene -Reaction Pathway Determination by 1H-NMR Spectroscopy
13	Dr. Rabya Aslam	Development of a liquid chromatographic method for the separation of a liquid organic hydrogen carrier mixture
14	Dr. Rabya Aslam	Measurement of hydrogen solubility in potential Liquid Organic Hydrogen Carriers

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

Sr. No.	Name of Faculty Member	Title of Conference Paper	Name of Conference
1.	Prof. Dr. Mahmood Saleem	<i>2nd International Conference on Engineering Sciences</i>	ICET & UET
2.	Prof. Dr. Mahmood Saleem	<i>6th Symposium on Engineering Sciences</i>	ICET

○ **Research Journals**

Following two journals are been 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
- **Projects: Newly Launched**
Procurement of lab equipment for more than 6 labs.
- **Publications = 5**
Book = 1
- **Seminars + Workshops Attended by faculty members = 15; Organized = 0**
- **Research Journals: 01**

Research Collaborations

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

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **R&D-An Overview**
Five 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.



○ **Publications**

Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local			
					Impact Factor (IF)	HEC Recog.	Other	Conference Proceedings
1)	Dr. Ayyaz Ahmad	Improving quality of healthcare through the selection of right technology: an expert system approach						✓
2)	i) Mr. Zahid Abbass Shah Coauthors: ii) Mr. Asim Amjad iii) Ms. Maria Ashraf iv) Ms. Fareeha Mushtaq v) Ms. Iram Alim Sheikh	Prevalence of musculoskeletal problems and awkward posture in a Pakistani garments manufacturing industry	Malaysian Journal of Public Health Medicine	16 (Supp. 1)	0.196 (Scopus)			
3)	i) Syed Sohaib Zubair Coauthors: ii) Mukaram Ali Khan iii) Anam Tariff	Non-financial incentive system and organizational commitment: an empirical investigation	Pakistan Business Review	18(1)		✓		
4)	Mr. Muhammad Mohsin Rashid	Carbon emission reduction in brick kilns						✓
5)	Dr. Ayyaz Ahmad	Improving quality of healthcare through the selection of right technology: an expert system approach						✓

○ **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 has participated in two days Workshop on Government-Academia-Industry Linkages at Government College University Faisalabad on January 25-26, 2016. The Government of Pakistan has taken different steps to strengthen the linkages between academia and industry. The said workshop was attended by more than 10 Vice Chancellors / Rectors of public and private sector universities, more than 20 CEOs or Chairmen of industrial organizations in and around Faisalabad and 100 senior level officials in industrial sector. Honorable Prof. Ahsan Iqbal, Minister of Planning & Development- (GOP) was the Chief Guest of this mega event and Prof. Dr. Mukhtar Ahmad, Chairman, Higher Education Commission was Guest of Honor.
2. ORIC Deputy Director Dr. Amir Shafeeq attended one day Workshop on “Managing Intellectual Property Rights and Commercialization of Academic Results/Patents on 24th February, 2016. SATHA (South Asia Triple Helix Association) is a part of International Triple Helix Association hosted this workshop in University of Management and Technology, Lahore. SATHA offers lot of services to its members and non members like Innovation Awards, S&T Policy Award, SATHA Business Plan Competition and S&T policy advocacy.
3. ORIC has Organized 5th Invention to Innovation Summit 2016 at Al-Razi Hall and Main Corridor University of the Punjab, Lahore on March 02-03, 2016. This Summit provided a great opportunity to promote Research and Innovation activities in Pakistan. It was also a great learning experience to make innovative Pakistan.
4. ORIC Director Prof. Dr. Aamir Ijaz attended Session on “PSF Fund Winning Opportunities for Academia and Industry” on March 3rd, 2016.
5. ORIC has participated in PAK-CHINA Business Forum (PCBF) 2016 held on March 19 to 22, 2016 at Expo Centre, Lahore. The event was mainly comprised of sharing of technological ideas, various thematic workshops and an industrial exhibition of products. The renowned scholars/experts from different walks of life, many prominent business houses and general public participated in this Forum.
6. ORIC Director Prof. Dr. Aamir Ijaz and Deputy Director Dr. Amir Shafeeq attended a Symposium on “Fundamentals of IP & Patent Filing” at Lahore University of Management Sciences (LUMS) on 30 April, 2016. The importance of IP, patenting and commercialization is yet to be realized to their full strength by Pakistani Universities. It is crucial that we work together in order to generate synergy and step into this exciting territory of innovation. The objective was to initiate a debate at the national level and build capacity in converting the innovation into commercial products and the registered patents. The focus of the symposium was on highlighting the importance of producing commercializing and promoting entrepreneurial culture within our educational institutions. This also gave us an opportunity to establish a forum of ORIC in the Punjab region.



7. ORIC Deputy Directors Dr. Amir Shafeeq and Dr. Shakil Ahmed attended a training Workshop on “How to Improve Industry-Academia Linkage” held at Bahria University, Lahore on April 25th, 2016. This course was delivered by the experts from Industry, Academia and Advisors Networks. The main objective was to bridge the gap between Industry and the Academia.
8. ORIC participated in one day workshop on “Funded Research – Design, Funding and Execution” in UMT, Lahore on April 27th, 2016. The Workshop was designed to bridge gap between researchers and stakeholders such as funding agencies, industry and other facilitators. The speakers from each support segment shared their expertise with researchers on designing, winning research grants and execution of need based applied research.
9. ORIC participated in “Trade Promotion and Industrial Development Conference & Exhibition (TPIDCE 2016)” in Sheikhpura Chamber of Commerce and Industry on April 29th, 2016.
10. ORIC participated in “The News Education Expo 2016” held by JANG NEWS at Flattie’s Hotel Lahore on May 30-31, 2016. The main focus of this Education Expo was to promote the quality education of universities.
12. ORIC Deputy Director Dr. Amir Shafeeq participated in a seminar “Launch of Dairy Sector Economic Impact Study” organized by Lahore University of Management Sciences (LUMS) on June 1st, 2016. The dairy and livestock sector contributes 49% of the value addition in the agriculture sector, and about 11.4% to Pakistan’s GDP, which is higher than the contribution made by the entire crop sector (10.9%). More than 40 million people are engaged in raising live stock and earn 30 to 40% of their income from this sector.
13. ORIC participated in “IEEE COMSO Summer School Program 2016” at Al-Razi Hall, University of the Punjab, Lahore on July 26th-29th, 2016. This program was designed for fresh graduates and M.S/Ph.D students. The program covered fundamental, advanced and popular topics in the field of communication that enlightened young graduates about current industry trends and future opportunities. Invited Speakers were from LUMS, UET, FAST, COMSATS, HITEC, and the Punjab University.
14. ORIC Director Prof. Dr. Aamir Ijaz participated in the two days “International Symposium on Technology Entrepreneurship” at Islamabad on August 19th-20th, 2016. This symposium was a great opportunity for faculty interested in entrepreneurship, incubation managers, ORIC personnel and research faculty to share, understand and familiarize with the current entrepreneurship teaching trends, issues and developments with both local and international perspectives. The symposium sponsored by ICT R&D fund was aimed at bringing together various local and international academicians, practitioners, policy makers and industry specialists for a dialogue on entrepreneurship education and eco-system, with a focus on Technology Entrepreneurship and Incubation.
15. ORIC Director Prof. Dr. Aamir Ijaz visited USA for participation in IEEE Communications “Critical Communications and Public Safety Networks Integrated Circuits for Communications” on September 1st, 2016.
16. ORIC participated in a Seminar on “HALAL FOOD, 2016” organized by PSFST – Student Chapter, University of the Punjab on 24th September, 2016.



Faculty of Islamic Studies

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

- **Projects:**
 - (i) Department

Second Edition of the Urdu Encyclopedia of Islam
 - (ii) Faculty

Dr. Hafsa Nasreen "Which Koran by Ibn Warraq", Funded by the University of the Punjab Rs. 1,50,000, 2015-16 (Completed)
- **Publications: Books**

Dr. Hafsa Nasreen

 - *Prophet Muhammad in state of grief*, Dar an Nawadir, Lahore 2016
 - *Religions of the World*, Abdullah Publishers, Lahore 2016
 - *The Codex of Abdullah Bin Masood- A Critical study of the view point of Arthur Jeffery*, Dar al-Mashaf, Lahore 2016
- **Conferences, Seminars and Workshops**

Dr. Hafsa Nasreen

Two days international conference on "Role of Youth in Reformation of Society" on 18th - 19th May 2016, organized by Department of Islamic Studies, National University of Modern Languages, Islamabad, Presented paper entitled "Defence of Islamic creed- Role of youth"
- **Research Journals**
 - Dr. Muhammad Arshad:

"Molana Muhammad Nazim Nadvi on Abdul Hassan Nadwi" in *al-Ayyam*, (HEC Recognized) Karachi, vol: 2, 2015
 - Dr Hasfa Nasreen
 - "Contemporary political system of Pakistan in the light of Teachings of Prophet Muhammd P.B.U.H" in proceedings of Seerah-un-Nabi conference, 2016
 - "Orientalism on Arabicized words of the Quran- A Critical Study" in *Armughan-i-Hafiz Ahmed Yaar Khan*, Institute of Islamic Studies, University of the Punjab, 2015
 - Dr. Zahira Nisar

"Histories of Rasslas" in *Urdu Research Journal*, Dehli India, 2016

SHEIKH ZAYED ISLAMIC CENTRE

- **Publications**
 - Dr. Muhammad Ijaz (Director, Sheikh Zayed Islamic Centre)
 - امام شافعی کا منہج اصول فقہ



- The Nature and scope of liability of Rab al Maal and Mudarib in contract of Modaraba: The Perception of Muslim Jurists
- صرف زکوٰۃ فی سبیل اللہ معاصر تشریحات۔ ایک مطالعہ
- امام خطابی کی اعلام الحدیث، تعارف، منہج و اسلوب اور امتیازی خصوصیات
- Dr. Muhammad Abdullah (Associate Professor, SZIC)
مصادر سیرت نبوی، تعارف و تجزیہ
- Dr. Hafiz Abdul Basit Khan (Assistant Professor, SZIC)
 - واقعہ معراج کے کلامی مباحث (منتخب اردو تفسیری ادب کا اختصا صی و تقابلی جائزہ)
 - بچوں کی جنس کے انتخاب کے لیے جینٹل ٹیسٹ کی شرعی حیثیت
 - مقدمہ لامع الدراری اور اصول تراجم بخاری (ایک تحقیقی جائزہ)
- Dr. Samina Saadia (Assistant Professor, SZIC)
حج عہد ممالیک مصر میں اسلامی ریاست میں عوام الناس کو نظم و ضبط کا پابند رکھنے کے طریقے، تعلیمات نبوی کی روشنی میں

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

Sheikh Zayed Islamic Centre organized different seminars during 2015-16 according to the following detail:

Sr. No.	Date	Topic	Speaker
1	28-01-2016	Muslims in the West	Mr. Green Dr. Abdul Qadeer Ch. Dr. Idrees Zubair
2	11-04-2016	Introduction to Said Nursi & the Risale-i-Nur	Professor Dr. Ishaq Ozgul Dr. Ahmad Yalids Mr. Hakan Gulrjay
3	03-05-2016	Asr e Hazir ki Islami Tahreeqat aur un ki Tarjihat	Prof. Dr. Ubaid Ullah Fahad Falahi
4	11-04-2016	Introduction to Said Nursi and the Risale-i Nur	Hakan Gülerce (Speaker in English) Prof. Dr. İshak Özgel (Speaker in Arabic) Prof. Ahmet YILDIZ (Speaker in English)
5	09-02-2016	Madarasa tul Islah ki Ilmi o Deeni Khidmaat	Dr. Abu Safyan Islahi, Ali Garh University, India



Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

○ **Research and Development**

Name	Title	Funding
Dr. Shazia Qureshi	Inculcating Legal Ethics among Lawyers: A Review of Professional Socialization Process	Punjab University
Dr. Shazia Qureshi	Learning Legal Professional Ethics in Pakistan: Scenarios and Solution	Punjab University
Dr. Shazia Qureshi	Judicial Governance: Causes of Delayed Judicial Decisions of Pakistan	Punjab University
Dr. Shazia Qureshi	Using Human Rights Law to Empower Marginalized Women Pakistan	Punjab University
Dr. Shazia Qureshi	Training Women and Men Lawyers to provide legal services to women, including minority women	Punjab University

○ **Projects: (i) Completed**

Yes Duration 01 Year, Sponsoring agency/funding: Punjab University/PHEC/HEC

○ **Publications: Books/Edited**

International Economic Law Theory and Practice in Pakistan

Author: Naeem Ullah Khan, Assistant Professor

Publisher: Manzoor Law Book House

○ **Research Journals** (Author Name, Article Name, Journal with date)

- Nabila Asghar, Shazia Qureshi and Muhammad Nadeem (2015), "Institutional quality and economic growth: Panel ARDL analysis for selected developing economies of Asia". South Asian Studies (A Research Journal of South Asian Studies), Volume 30, No. 2 (July-December), pp. 381-404.
- Muhammad Zakria Zakar, Rubeena Zakar, Nauman Aqil, Shazia Qureshi, Noshina Saleem, Sajjad Imran, "Nobody likes a person whose body is covered with mud, Health hazards faced by child laborers in the brick kiln sector of the Okara District", *Canadian Journal of Behavioral Science*. 47(1):21-28. DOI:10.1037/a0036262,
- Shazia Qureshi, "Research Methodology in Law and Its Application to Women's Human Rights Law" (2015), Journal of Political Studies, Vol. 22, Issue 2, p 629-643
- Nabila Asghar, Shazia Qureshi, Muhammad Nadeem, "Globalization: A Threat to Intra State Social Cohesion", (2015), Pakistan Vision, pp 117-141
- Nabila Asghar, Shazia Qureshi and Muhammad Nadeem (2016), "Effects of socioeconomic and political factors on the crime rate in Pakistan". Journal of Political Studies, Volume 23, Issue 1, pp 183-206.



- Syeda Azra Batoo, Hafiz Khalil Ahmad & Shazia Noureen Qureshi, "Economic and Psycho-social Determinants of Psychological Empowerment in Women", (2016), Pakistan Journal of Social and Clinical Psychology, Vol.14, No.1, pp 21-29.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Research & Development – An Overview**

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. 22 research theses are completed and added to library during this year by the MS students and 23 by BS (4 Years) students.

○ **Projects: (i) Completed**

Sr. No.	Name of Faculty	Project Name	Duration	Sponsoring Agency	Funding	Present Status
1	Dr. Nashi Khan	Translation and Adaptation of the Camberwell Assessment of Need - Mothers (CAN-M) for Assessment of Social and Mental Health Issues of Pregnant Women and Women with Severe mental Illness.	One Year	Punjab University	150000	Complete
2	Dr. Saima Dawood	Self-Compassion, Mindfulness, Emotion Regulation and Depression Symptorns in Patients with Depression.	One Year	Punjab University	150000	Complete
3	Tehreem Arshad	Generosity, Emotion Regulation and Perceived Wellness in Elderly.	One Year	Punjab University	150000	Complete
4	Ms. Humaira Naz	Attachment Styles, Conflict Resolution and Martial Quality of Married Individuals.	One Year	Punjab University	150000	Complete
5	Ms. Faiza Safdar	Academic Motivation, Need Satisfaction, Social Networking and Fear of Missing out in Young Adult.	One Year	Punjab University	150000	Complete

○ **Projects: (ii) 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 Gilgit Baltistan (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



3	Ms. Faiza Safdar	Inflated Responsibility, Meta-cognition and Anxiety Control in Symptomology of Obsessive Compulsive Disorder	One Year	Punjab University	150000	Continue
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○ **Conferences, Seminars and Workshops, etc.** (sponsors, oral presentation + poster presentation)

Name of Resource Person	Sponsors	Presentation Oral / Poster	Topic	Date
Dr. Syed Akhter Ali Naqvi	CCP	Oral	Orientation Workshop on Eidetic Psychotherapy	13 th – 14 th October, 2015
Mrs. Neelofer Afaq	CCP	Oral	Social Skill Training	21 st Oct, 2015
Mrs. Neelofer Afaq	CCP	Oral	Dealing With Childhood Behavioral Problems	28 th Oct, 2015 04 th Nov, 2015
Dr. Oskaan Mehmedagi	CCP	Oral	The Science of empowerment	20 th Nov, 2015
Dr. Arshad Javed	CCP	Oral	Brief Psychotherapy	25 th Nov, 2015
Dr. Saima Qamar	CCP	Oral	Qualitative Research	26 th Nov, 2015
Ms. Tania Hussain	CCP	Oral	Initial Language Development	06 th Jan, 2016 27 th Jan, 2016
Mrs. Rukhsana Shah and Ms. Aasma Ahmed	CCP	Oral	Seminar on Autism: Awareness and Management	5 th Jan, 2016
Dr. Oskaan Mehmedagi	CCP	Oral	NLP & HYPNOSIS WORKSHOP	26 th April, 2016
Prof. Dr. Nasar Ullah and Dr. Hussain Jafferri	CCP	Oral	Awareness of Alzheimer's and Dementia	13 th May, 2016
Mrs. Shahida Tanveer	CCP	Oral	"Headache Management"	13 th Jan, 2016 20 th Jan, 2016
Mr. Max Babri	CCP	Oral	"Healing Ourselves and Healing the World. The Power of Subconscious Mind"	11 th May, 2016
Prof. Dr. Nasar Ullah Dr. Hussain Jafferri	CCP	Oral	LECTURE ON "Awareness of Alzheimer's and Dementia"	13 th May, 2016
Prof. Anjum Bashir	CCP	Oral	"Brain & Behavior"	25 th May, 2016

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

Sr. No	Faculty Member	Conferences, Seminar and Workshop
1	Prof. Dr. Rukhsana Kausar	Mariam Bibi, Nida Zafar and Rukhsana Kausar. Perceived authentic leadership practices, organizational climate and team innovativeness in employees of multinational companies. Oral presentation in the 1 st International Conference "Advancing Women Issues: Local & Global Directions" 12 th December 2015 at Marriott, Islamabad.
2	Prof. Dr. Rukhsana Kausar	Rabia Nisar, Nida Zafar and Rukhsana Kausar. Perceived parental and peer rejection, goal directed thinking and perception of meaningful life in late adolescents. Oral presentation in the 1 st International Conference "Advancing Women Issues: Local & Global Directions" 12 th December 2015 at Marriott, Islamabad.



3	Prof. Dr. Rukhsana Kausar	Rukhsana Kausar & Amna Liaqat. "Resilience, Cognitive Appraisal, Posttraumatic Growth and Quality of Interpersonal Relationships among Flood Affected Adolescent", ORAL presentation in the 1 st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31 st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
4	Prof. Dr. Rukhsana Kausar	Kousar Azam, Saira Batool and Rukhsana Kausar, "Work Family Conflict, Emotional Exhaustion and Workplace Wellbeing in Females" ORAL presentation in the 1 st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31 st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
5	Prof. Dr. Rukhsana Kausar	Nida Zafar and Rukhsana Kausar, "Post-divorce Adjustment in Relation to Socioeconomic Status in Pakistani Women: Moderating Role of Social Support" ORAL presentation in the 1 st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31 st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
6	Prof. Dr. Rukhsana Kausar	Nazia Bashir, Rukhsana Kausar and Nashi Khan, "Children and Disaster Teaching Recovery Techniques as a Preventive Measure to Deal posttraumatic Stress Disorder" ORAL presentation in the 1 st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31 st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
7	Prof. Dr. Rukhsana Kausar	Rukhsana Kausar, Ayesha Ali and Anum Javed, "Child Abuse, Emotional and Behavioral Problems in Domestic Child Workers" ORAL presentation in the 11 th International Conference on Child and Adolescent Psychology (ICCAP-2016) held on 18-20 th July, 2016 at University of Roehampton, London.
8	Dr. Nashi Khan	Presented a Paper on "Perceptions about Psychiatric Illness of Patients suffering from Schizophrenia and Mood Disorders" in 11 th International Conference on Child and Adolescent Psychopathology, 2016 (ICCAP 2016). Roehampton University, London, UK. 18 th - 20 th July, 2016.



9	Dr. Nashi Khan	Presented a Paper on "Gender Differences in Common Mental Disorders in Pakistan" in 11 th International Conference on Child and Adolescent Psychopathology, 2016 (ICCAP 2016). Roehampton University, London, UK. 18 th - 20 th July, 2016.
10	Dr. Nashi Khan	Presented a Paper on "Exploration of Clinical Psychologists in Therapeutic Impasse" in 1st International Conference (ICCTP-2016) on Current Trends in Psychology: Security Issues in Pakistan and Its Implications, 2016. Department of Applied Psychology and Bahauddin Zakariya University, Multan, Pakistan. 31 st March, 2016.
11	Dr. Nashi Khan	Presented a Paper on "Sexual Satisfaction in Women with Polycystic Ovarian Syndrome" in 9 th SAARC International Psychiatric Conference, 2016. Islamabad, Pakistan. 4 th - 6 th March, 2016.
12	Dr. Saima Dawood	9 th SAARC International Psychiatric Conference on March 4 - 6, 2016 organized by SARRC Psychiatric Foundation at Serena Hotel, Islamabad.
13	Dr. Saima Dawood	6 th International Congress on Interpersonal Acceptance and Rejection on June 7 - 10, 2016 held at Madrid, Spain.
14	Dr. Saima Dawood	11 th International Conference on Child and Adolescent Psychopathology on July 18 - 20, 2016 organized by Roehampton University, London, UK.
15	Dr. Aisha Sitwat	Oral presentation of the paper, Development of Multidimensional measure of Islamic Spirituality (MMIS), at the 'SAARC International Psychiatric conference', 4 th to 6 th March, 2016, Islamabad, Pakistan.
16	Dr. Aisha Sitwat	Oral presentation of the paper "Narcissism, striving towards inferiority and anger expression in medical and engineering students" in National conference on "Indigenizing Clinical Psychology: Issues and Challenges on 17-18 th December, 2015 at university of Management Sciences, Lahore.
17	Dr. Aisha Sitwat	Oral presentation of the paper, "Psychopathology, psychological symptoms and demographic correlates in female adult victims in MuzaffarGarh", on 17-18 th December, 2015 at university of Management Sciences, Lahore.
18	Dr. Aisha Sitwat	Oral presentation of the paper, "Psychopathology, psychological symptoms and demographic correlates in male adult victims in MuzaffarGarh", on 17-18 th December, 2015 at university of Management Sciences, Lahore.
19	Ms. Humaria Naz	1 st National Conference on "Emerging Trends in Clinical Psychology", organized by Faculty of Clinical Psychology, COMSATS-Institute of Information Technology on 21 st – 22 nd September, 2016.



20	Ms. Humaria Naz	6 th International CBT Conference Evidence based approaches to Mental Health Care, Pakistan Association of Cognitive Behavioral on 20 th February, 2016.
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. Aasma Yousaf	Sabir & Yousaf. (2016). Provider-Role Consistency, Psychological Well-Being and Marital Satisfaction in Working Couples at National Conference: Emerging Trends in Clinical Psychology on September 21 st to 22 nd at COMSATS Institute of Information Technology Lahore, Faculty of Psychology, Department of Humanities, September 21 st to 22 nd 2016
23	Ms. Aasma Yousaf	Malik & Yousaf. (2016). Personality Traits, Compulsive Use of Smartphone and Social Functioning in Young Adults at National Conference: Emerging Trends in Clinical Psychology on September 21 st to 22 nd at COMSATS Institute of Information Technology Lahore, Faculty of Psychology, Department of Humanities, September 21 st to 22 nd 2016.
24	Ms. Aasma Yousaf	Ayesha & Yousaf. (2016). "Sense of Coherence, Pain Severity and Presenteeism in Individuals with Migraine" in an International Conference on 31 st March, 2016 entitled "Current Trends in Psychology: Security Issues in Pakistan and its Psychological Implications" organized by Department of Applied Psychology, Bahauddin Zakariya University Multan, Pakistan and Pakistan Psychological Association (PPA).
25	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.
26	Ms. Faiza Safdar	Nuzhat-ul-Ain, N., & Safdar, F. (2016). Spousal Relationship and Psychological Distress in Women School Teachers. Journal of Pakistan Psychiatric Society.
27	Ms. Faiza Safdar	Farooq, R., & Safdar, F. (2015). Childhood Abuse and Psychological Wellbeing among Patients with Borderline Personality Disorder. Pakistan Journal of Professional Psychology: Research and Practice.
28	Ms. Faiza Safdar	Komal, A., Chandni, H., & Safdar, F. (2015). Childhood Abuse, Neglect and Personality Disorders in Drug Users. Pakistan Journal of Professional Psychology: Research and Practice.
29	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.



30	Ms. Faiza Safdar	Nuzhat-ul-Ain & Safdar, F. (2016). In 10 th international Psychiatric Conference/6 th International CBT Conference organized by Pakistan Association of Cognitive Therapists & Services Institute of Medical Sciences, Services Hospital Lahore 20 th February, 2016.
31	Ms. Faiza Safdar	Komal, A., Chandni, H., & Safdar, F. (2015). Childhood Abuse, Neglect and Personality Disorders in Drug Users. In 10 th international Psychiatric Conference/6 th International CBT Conference organized by Pakistan Association of Cognitive Therapists & Services Institute of Medical Sciences, Services Hospital Lahore 20 th February, 2016.
32	Ms. Faiza Safdar	Aimen, S., Shifa, A. M., & Safdar, F. (2016) "Compassion Fatigue and Resilience in Trainee Clinical Psychologists" in 1 st national conference on emerging trends in clinical psychology on 21-22 September, 2016 organized by COMSATS, Lahore.

○ **Research Journals**

Sr. No.	Name of Author	Title of Paper / Article
1	Prof. Dr. Rukhsana Kausar, Asad, S. & Saeed, S.	Level of Frustration Tolerance and Coping Strategies used by Women with Conversion Disorder Vs those with General Medical Conditions. Journal of Pakistan Psychiatric Society, Vol. 13(2), 35-38, (X Category).
2	Prof. Dr. Rukhsana Kausar & Yosuf, M.	Self-Care, Coping Strategies and Quality of Life of Individuals with Diabetes. Journal of Behavioral Science, Vol.26(1),17-31, (X Category).
3	Prof. Dr. Rukhsana Kausar, Yosuf, I., & Zafar, N.	Perceived Inter-Parental Conflict, Emotional Security and Self-Discipline in Adolescents. Journal of Behavioral Science, Vol. 26(1), 98-112, (X Category).
4	Dr. Nashi Khan	Gender Differences among Discrimination & Stigma Experienced by Depressive Patients in Pakistan. Pakistan Journal of Medical Sciences. ISSN: 1682-024X.(2015), 31 (6). 1432-1435, Impact factor 0.86
5	Dr. Nashi Khan	Traumatic Life Experiences and Self Harm in Women Prisoners of Pakistan. Research Journal of Social Science and Management. ISSN: 1682-024X. (2015), 4 (9), 96-102. impact factor 3.95
6	Dr. Nashi Khan	Social Competence Scale for Adolescence (SCSA): Development and Validation within Cultural Perspective. Journal of Behavioural Sciences. ISSN-1028-9097.(2015), 25 (1). 59-77. X category.



7	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.
8	Dr. Nashi Khan	Demographic Characteristics of Clinical Psychology Internees. FWU-Journal of Social Sciences. ISSN: 1995-1275. (2016), 26 (1),82-97. X category.
9	Dr. Nashi Khan	Gender Differences in Common Mental Disorders. Pakistan Journal of Clinical Psychology. ISSN: 1019-1275. (2016), 15 (1), 21-32. Y category.
10	Dr. Saima Dawood	The Epidemiology of Poly Victimization in Pakistan. Journal of Behavioural Science(JBS).ISSN: 1028-9097. (2015), 25 (1),108-119. X category.
11	Dr. Saima Dawood	Personal values in Relation to Parental Relationship and Vulnerability towards Psychopathology. Pakistan Journal of Psychology (PJP) ISSN: 0030-9869. (2015), 46 (1). Y category.
12	Dr. Saima Dawood	Attachment Orientation, Obsessive Beliefs and Symptoms' severity in patients with Obsessive Compulsive Disorders. Pakistan Journal of Psychological Research (PJPR). ISSN: 1016-0664. (2015), 30 (2), 207-224. X category
13	Dr. Saima Dawood	Spiritual Well Being and Coping Styles in relation to Psychological Well Being of Adolescents. Pakistan Journal of Social and Clinical Psychology (PJSCP). ISSN: 1727-4931. (2015) 13(2), 43-47. Y Category.
14	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
15	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
17	Dr. Aisha Sitwat	Sitwat, A., Asad, S. and Yousaf, A. (2015). Psychopathology, Psychiatric Symptoms and their Demographic Correlates in Female Adolescents Flood Victims. Journal of the College of Physicians and Surgeons, Pakistan, Vol. 25 (12):00, 1-6.



18	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.
19	Ms. Humaria Naz	Rehan, S., Naz, H. (2015). Diabetic self-care and Diabetes distress of patients with Diabetes type 2. Pakistan Journal of Professional Psychology: Practice & Research, 6(1), 61-73. ISSN 1818-6416
20	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.
21	Ms. Tehreem Arshad	Ahmad, S; Arshad, T & Kausar, R. (2015). Psychological Correlates of Distress in Rescue 1122 workers in Pakistan. International Journal of Emergency Mental Health and Human Resilience, 17(2) 486-494.
22	Ms. Aasma Yousaf	Psychopathology, Psychiatric Symptoms and their demographic Correlates in Female Adolescents Flood Victims. Journal of the College of Physicians and Surgeons Pakistan. 2015 Vol. 25 (12): 886-890. Impact factor 0.353 w category.
23	Ms. Aasma Yousaf	Naveed & Yousaf. (2015). Personality Traits, Coping Strategies and Social Support in patients with Depression and Anxiety. International Journal of scientific research and management (IJSRM). 3 (5). 2854-2865.
24	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.
25	Ms. Rabia Dasti	Caregiver Burden Spirituality and psychological wellbeing of Patients having children with Thalessemia. Journal of Religion and Health. September, 2015 (online). Impact factor 1.02.
26	Ms. Rabia Dasti	Poly Victimization & Mental Health of Street Children in Lahore City. Journal of Mental Health. September, 2015 (online). Impact factor 1.40.



○ **Research Journals**

Pakistan Journal of Professional Psychology: Research & Practice 7th Issue is in process.

Research Collaboration

○ **Foreign Linkages**

Indigo Project: Institute of Psychiatry London (Khan & Kausar)

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.

○ **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.

○ **Project: 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
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○ **National and international publications**

Sr. #	Name of Author	Title of Paper/Article
1.	Shafique, M., Shahzad MS., Perveen, U, Parveen, R., Ali, A., Hussain, M., Rehman, Z., Shahid, AA. and Husnain, T (2015)	Allele frequency distribution of 10 MiniSTRs in the Pashtun population of Pakistan. International Journal of Legal Medicine. 129(3): 467-468. 2.714
2.	Shan, MA., Tahira, F., Shafique, M., Hussain, M., Perveen, R., Shahzad, M., Ehsan, F., Shahzad, MS., Rehman, Z., Ali, Q and Iqbal, M (2015)	Estimation of different Biochemical Intensities in Drinking water from Eastern Region of Lahore City. Advancements in Life Sciences. 2(3): 131-134
3.	Shafique. M., Hussain, M., Shan, MA., Shahzad, M., Hussain, S., Hussain, N., Ehsan, F., Perveen, R and Iqbal M (2015)	Genetic Diversity of 15 autosomal STR loci in the population of Southern Punjab Pakistan. Forensic Science International: Genetics. http://dx.doi.org/10.1016/j.fsigen.2015.05.013 . 4.6
4.	Jamal, A., Shahid, MN., Aftab, B., Rashid, B., Kiani, S., Mohammed, BB., Sarwar, MB., Hassan, S and Husnain, T (2015)	Alterations in photosynthetic, water relations and biochemical components in cotton subjected to drought stress. Journal of Global Biosciences. 4(2): 1517-1529.
5.	Hafeez MN, Sadique S, Hassan S, Sarwar MB, Rashid B, Ali Q and Husnain T (2015)	Physiological, morphological, biochemical and molecular basis of drought tolerance in Cotton. Journal of Biology Pharmacy and Allied Sciences. 4(3): 1091-1112
6.	Mohamed BB., Sarwar MB., Hassan S., Rashid B., Aftab B and Husnain T (2015)	Tolerance of Roselle (<i>Hibiscus Sabdariffa</i> L.) genotypes to drought stress at vegetative stage. Advancements in Life Sciences. 2(2): 74-82
7.	Noreen, S., Hussain, I., Tariq, MI., Ijaz, B., Iqbal, S., Zaman, QU., Ashfaq, UA and Husnain, T (2015)	<i>Portulaca oleracea</i> L. as a Prospective Candidate Inhibitor of Hepatitis C Virus NS3 Serine Protease. Viral Immunology 1-8. 28(5): 1-8.
8.	Mahmood, R., Choudhery, MS., Mehmood, A., Khan, SN and Riazuddin, S (2015)	In Vitro Differentiation Potential of Human Placenta Derived cells into Skin Cells. Stem Cells International, http://dx.doi.org/10.1155/2015/841062 . 2.83



9.	Mehmood, A., Ali, M., Khan, SN and Riazuddin, S (2015)	Diazoxide preconditioning of endothelial progenitor cells improves their ability to repair the infarcted myocardium. Cell Biology International. http://dx.doi:10.1002/cbin.10498 . 1.9
10.	Khubaib, B., Idrees, M., Afzal, S and Waqar, S (2015)	The genotype CC of 1228B SNP rs 12979860 is significantly associated with sustained virological response in chronic HCV Pakistani patents . Journal of Digestive Diseases. 16(5):293-298. 1.924
11.	Wajid, N., Latief, N., Ali, M., Javed, S., Naseem, R and Ali, F (2015)	The effect of glucose on growth of mesenchymal stem cells derived from umbilical cords of normal and gestational diabetic mothers. International Journal of Life Sciences and Review (IJLSR). 1(6): 222-226
12.	Iqbal, Z., Lucia, P., Musante, L., Razzaq, A., Zahoor, MY., Hu, H., Wienker, TF., Garshasbi, M., Fattahi, Z., Gilissen, C., Vissers, LELM., Arjan PM., Brouwer, de., Veltman, JA., Rolph Pfundt., Najmabadi, H., Ropers, HH., Riazuddin, S., Kahrizi K and Bokhoven, HV (2015)	Missense variants in AIMP1 gene are implicated in autosomal recessive intellectual disability without neurodegeneration. Eur J Hum Genet. http://dx.doi:10.1038/ejhg.2015.148 . 4.349
13.	Simon, M., Richard, EM., Wang, X., Shahzad, M., Huang, VH., Qaiser, TA., Potluri, P., Mahl, SE., Davila A, Nazli S, Hancock S, Yu, M., Gargus, J., Chang, R., Sheqaih, NA., Newman, WG., Abdenur, J., Starr, A., Hegde, R., Dorn, T., Busch, A., Park, E., Wu, J., Schwenzer, H., Flierl, A., Florentz, C., Sissler, M., Khan, SN., Li, R., Guan, MX., Friedman, TB., Wu, DK., Procaccio, V., Riazuddin, S., Wallace, DC., Ahmed, ZM., Huang, T and Riazuddin S (2015)	Mutations of human NARS2, encoding the mitochondrial asparaginyl-tRNA synthetase, cause nonsyndromic deafness and Leigh syndrome. PLoS Genet. http://dx.doi:10.1371/journal.pgen.1005097 . eCollection 2015. 8.17
14.	Nayak, G., Varga, L., Trincot, C., Shahzad, M., Friedman, PL., Klimes, I., Greinwald, JH., Jr., Riazuddin, SA., Masindova, I., Profant, M., Khan, SN., Friedman, TB., Ahmed, ZM., Gasperikova, D., Riazuddin, S and Riazuddin S (2015)	Molecular genetics of MARVELD2 and clinical phenotype in Pakistani and Slovak families segregating DFNB49 hearing loss. Hum Genet. 134(4): 423-37. 3.974.



15.	Ali, S., Khan SY., Naeem, MA, Khan SN., Husnain, T., Riazuddin, S., Ayyagari, R., Riazuddin.S., Hejtmancik, JF and Riazuddin SA (2015)	Phenotypic variability associated with the D226N allele of IMPDH1. Ophthalmology. 122(2):
16.	Awan MF, Abbas MA., Muzaffar, A., Ali, A., Tabassum, B., Rao AQ, Nasir IA and Husnain, T (2015)	Transformation of Insect and Herbicide Resistance Genes in Cotton (<i>Gossypium hirsutum</i> L.) . J. Agr. Sci. Tech. 17(2): 287-298. 0.699
17.	Muzaffar, A., Kiani, S., Khan, MAU., Rao, AQ., Ali, A., Awan, MF., Iqbal, A., Nasir, IA., Shahid, AA and Husnain T (2015)	Chloroplast localization of the Cry1Ac and Cry2A proteins: an alternative method of insect control in cotton. BMC Biological Research Journal. 48: 14 2-11. 1.48.
18.	Khan, MAU., Shahid, AA., Rao, AQ., Shahid, N., Latif, A., Din, SU and Husnain T (2015)	Defense strategies of cotton against whitefly transmitted CLCuV and Begomoviruses. Advancements in Life Sciences. 2(2): 58-66
19.	Bajwaa, KS., Shahid, AA., Rao, AQ., Dahab, AHA., Muzaffar, A., Rehman, H., Ahmad, M., Shaukat, MS., Gul, A., Ahad, A and Husnain, T (2015)	Detection of Transgenes in Cotton (<i>Gossypium hirsutum</i> L.) by Using Biotechnology/Molecular Biological Techniques. International Journal of Biological, Food, Veterinary and Agricultural Engineering. 9(1): 87-92
20.	Shanakht., Shahid, AA and Ali, SW (2015)	Journal of Hygienic Engineering and Design, UDC. UDC 614.31:633.18-248.2(549) 2(549)
21.	Jafri, I., Shahid ., AA., Ibrahim, A and Atif M (2015)	Efficacy of different bacterial strains against <i>Meloidogyne incognita</i> . Pakistan Journal of Nematology. 33(1)
22.	Bilal, M., Saeed, M., Nasir, I.A., Tabassum, B., Zameer, M., Khan, A., Tariq, M., Javed, M.A. and Husnain, T. (2015)	Association mapping of cane weight and tillers per plant in Sugarcane. Biotechnology & Biotechnological equipment. 29(4): 617-623. 0.379
23.	M. F. Awan, M. A. Abbas, A. Muzaffar, A. Ali, B. Tabassum, A. Q. Rao, A. Nasir and T. Husnain (2015)	Transformation of Insect and Herbicide Resistance Genes in Cotton (<i>Gossypium Hirsutum</i>)". Journal of Agricultural Science and Technology. 17: 275-285. 0.685
24.	Qamar, Z., Khadija, A, Nasir, IA., Farooq, A., Tabassum, B., Ali, Q., Ali, A., Awan, MF., Tariq M and Husnain, T (2015)	An overview of genetic transformation of glyphosate resistant gene in Zea mays. Nature and Science. 13(3): 80-90
25.	Hussain M, Idrees M, and Afzal S (2015)	Development of Global Consensus of Dengue virus envelop glycoprotein for epitopes based vaccine design. Current computer – aided drug design. 11(1):84-97.



26.	Salim, A., Nasir, IA., Rao, AQ., Ali, M., Anjum, MS., Hameed, A., Tabassum, B., Khan, A., Ali, A., Zameer, M and Husnain, T (2015)	Biosafety Study of Genetically Modified CEMB Sugarcane on Animals for Glyphosate Tolerance. 2(3)
27.	Puspito AN, Rao AQ, Hafeez MN, Iqbal MS, Bajwa KS, Ali Q, Abbas MA, Latif A, Shahid AA, Nasir IA, Husnain T. (2015)	Transformation and evaluation of Cry1Ac+Cry2A and GTGene in <i>Gossypiumhirsutum</i> L. <i>Frontiers in Plant Sciences</i> . doi: 10.3389/fpls.2015.00943. 3.90
28.	Bajwa KS, Shahid AA, Rao AQ, Bashir A, Aftab A, Husnain T. (2015)	Stable Transformation and Expression of GhEXPA8 FibreExpansin Gene to Improve Fibre Length and Micronaire Value in Cotton. <i>Frontiers in Plant Science</i> . doi: 10.3389/fpls.2015.00838. 3.90
29.	Ahad A, Ahmad A, Din SU, Rao AQ, Shahid AA, Husnain T. (2015)	In silico study for diversing the molecular pathway of pigment formation: an alternative to manual coloring in cotton fibers. <i>Frontiers in Plant Science</i> . doi: 10.3389/fpls.2015.00751. 3.90
30.	Ahmad A, Riaz, MR, Rao AQ, Khan MAU, Ahad A, Din SU, Husnain T. (2015)	In Silico determination of the insecticidal potential of Vip3Aa-Cry1Ac fusion protein against Lepidopteran targets by using molecular docking. <i>Frontiers in Plant Science</i> . doi: 0.3389/fpls.2015.01081. 3.90
31.	Rao AQ, Khan MAU, Shahid N, Din SU, Gul A, Muzaffar A, Azam S, Samiullah TR, Batool F, Shahid AA, Nasir IA, Husnain T. (2015)	An Overview of Phytochrome; An important Light Switch and Photo-sensory Antenna for Regulation of Vital Functioning of Plants. <i>Biologia</i> . 1273–1283 doi: 10.1515/biolog-2015-0147. 0.89
32.	Latif A, Rao AQ, Khan MA, Shahid N, Bajwa KS, Ashraf MA, Husnain T. (2015)	Herbicide-resistant cotton (<i>Gossypiumhirsutum</i>) plants: an alternative way of manual weed removal. <i>BMC Research Notes</i> . 8(453) 1-8 doi: 10.1186/s13104-015-1397-0
33.	Ahmad A, Ahad A, Rao A Q, Husnain T. (2015)	Molecular docking based screening of neem-derived compounds with the NS1 protein of Influenza virus. <i>Bioinformation</i> . 11(7) 359-65
34.	Ali S, Nasir IA, Ali A, Aslam U, Farooq AM, Tariq M, Tabassum, B, Qamar Z, Samiullah, TR, Rao AQ. (2015)	Genetic variability in coat protein gene of sugarcane mosaic virus in Pakistan and its relationship to other strains. <i>African Journal of Biotechnology</i> . 13(39) 3950-3965
35.	Khan MAU, Shahid AA, Rao AQ, Azam S, Ahmad A, Ahmad M, Husnain, T. (2015)	Comparison of different species of cotton for the transmission of CLCuV through whitefly. <i>Mycopath</i> . 13(1) 57-66



36.	Khan MAU, Shahid AA, Rao AQ, Bajwa KS, Muzaffar A, Samiullah TR, Nasir IA, Husnain T. (2015)	Molecular and Biochemical Characterization of Cotton Epicuticular Wax in Defense against Cotton Leaf Curl Disease (CLCuD). Iranian Journal of Biotechnology. 13 (4) 10-16. 0.47
37.	Shahid AA, Anwar W, Khan S, Aslam M, Haider MS, Ali M.	Exploring fungal flora associated with insects of cotton agro ecological zones of punjab, Pakistan. Pakistan Entomologist. 37(1) 27-31
38.	Shahid AA, Subhani MN, Nawaz K, Anwar W, Aslam M. (2015)	First Report of Pythium spinosum Causing Root Rot of Chili (Capsicum annum) in Pakistan. Plant Disease. doi: 10.1094/pdis-07-15-0745-pdn. 3.02.
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54.	Malik, K, et al., (2016)	Controversies: Stem Cell Research. <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(5): 77-83
55.	Malik, K, et al., (2016)	Role of FAS in apoptosis. <i>Bulletin of environment, Pharmacology and life Sciences (BEPLS)</i> 5(5): 84-86
56.	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
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- Majeed R A and Shahid A. A Antifungal potential of essential oils of *Cuminum cyminum*, *Cinnamomum cassia* and *Syzygium aromaticum* against brown spot disease of rice. 5th international/10th national Conference of Phytopathological Society on Crop protection for sustainable agriculture from 23-25 November, 2015. Proc. p:65.
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- M. Shafique, M. S. Shahzad, Z. Rahman, A.A. Shahid and T. Husnain (2015) Development of a MiniSTR system for the analysis of highly degraded DNA. Proceedings of international symposium on advances in Molecular Biology of Plants and Health Sciences, December 29-31, p22.
- Ijaz B, Gull S, Husnain T (2015). Combinatorial RNAi approach against HCV. Proceedings of international conference on drug development- natural and synthetic. Comsats institute of information technology, Abbottabad Pakistan.
- Ahmed F, Ijaz B, Hussain Z, Ahmed Ishtiaq, Mahmood N, Husnain T (2015). Role of Human Interferon alpha2b Gene and Presumptive Drug model against Breast Cancer. Proceedings of International symposium on advances in molecular biology of plants and health published in advancements in life Sciences.
- Mariam Shahid, Muhammad Farooq Sabar, Ziaur Rahman, Muhammad Usman Ghani, Samra Kousar, Farheena Iqbal and Tayyab Husnain (2015), Urbanization Triggers Asthma In 'C' Allele Carriers For rs12603332, Proceedings of "Molecular and Lab



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Abstract 2016

- 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, Muhammad Idrees, Mukhtar Ullah, Kausar Malik, Maryum Javed, Tanveer Hussain, Masroor Elahi Babar. Genetic characterization of Goats and Sheep Breeds by Cytochrome b gene and D-loop region of Mitochondrial DNA. in proceedings of 2nd International Livestock Genomic conference, 30-31, May 2016.
- Haleema Sadia, Muhammad Idrees, Asif Nadem, Tanveer Hussain, Mukhtar Ullah, Shahzadi Javed, Kausar Malik, Masroor Ellahi Babar. mitochondrial cytochrome b gene based phylogeny of Lohi and Thalli sheep breeds of Pakistan. in proceedings of 2nd International livestock genomic conference, 30-31, May 2016.

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

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

- 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. 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 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.
- Ms Zarnab Ahmad (Ph.D student) attended, 2nd Workshop on Entrepreneurship and Writing a Winning Business Plan, held at MMG, PU. October 20, 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 Lepidopteran Insect through Molecular and Conventional Breeding Approaches” scheduled to be held from March 29-31, 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.
- 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.
- A technical seminar on Biosafety held on 25.03.16 by ESCO Ltd at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- ICGEB course on ‘Basic Biotechnology Techniques’ held on March 07-09, 2016 at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- A cancer awareness seminar held on February 26, 2016 at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.”, 1st September, 2016 at CAMB
- 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 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
- ICGEB course on ‘Basic biotechnology techniques’, March 7-9, 2016, Centre of Excellence in Molecular Biology, Lahore.
- 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.
- Biosafety workshop held at CEMB attended by various Stem cell group members.
- 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.
- **Centre organized the following Conferences/ Seminars and Refreshers Courses at its Premises during**
 - Organized Symposium entitled International Symposium on Advances in Molecular Biology of Plants and Health Sciences on (December 29 – 31 2015)
 - Hand on training workshop on “Next Generation Sequencing Data Analysis” held on October 14-16, 2015 at CEMB.
 - Alumni meet was arranged at 1-01-2016
 - 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.
 - National Academy of young Scientists (NAYS) and CEMB National Workshop on “CRISPR Cas9 Genome Editing Technology” June 2, 2016 at CEMB
 - ICGEB course on basic biotechnology Techniques March 07-09-2016.

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 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
- **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 (<i>Chilo partellus</i>) in Pakistan to Cry1F and cry1Ab toxin	DuPont USA/ Pioneer Seed Company.	US\$8000

DEPARTMENT OF BOTANY

○ **Research and Development** - An overview

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	Title	Duration	Financial Support (Rs.)	Sponsoring Agency
1.	Dr. Firdaus-e-Bareen Professor / Chairperson	"Identifying Losses of Calorific Value in Biomass Storage Piles and its Optimization through Stacking Patterns"	2015-2016	250000	University of the Punjab, Lahore
2.	Dr. Muhammad Saleem Professor	"Evaluating potential Short Sequence Repeats (SSRs) markers in <i>Sordaria Fimicola</i> "	2015-2016	250000	University of the Punjab, Lahore
3.	Dr. Faheem Aftab Professor	"A Study of in Vitro Potential of Ginkgo Biloba L"	2015-2016	250000	University of the Punjab, Lahore
4.	Abdul Nasir Khalid Professor	"Some Fleshy Fungi from Kumrat Velley, Dir (Upper) Khyber Pakhtunkhwa, Pakistan	2015-2016	250000	University of the Punjab, Lahore
5.	Dr. Shakil Ahmad Associate Professor	"Optimization of Culture Conditions for Production of Rice Cultivars"	2015-2016	150000	University of the Punjab, Lahore



6.	Dr. Humera Afrasiab Assistant Professor	"Tissue culture studies of Lemon grass (Cymbopogon citratus)"	2015-2016	150000	University of the Punjab, Lahore
7.	Dr. Farkhanda Jabeen Assistant Professor	"Detection of Large Plasmid from Pesticides Degrading Bascillus spp"	2015-2016	150000	University of the Punjab, Lahore
8.	Dr. Asad Shabbir Assistant Professor	"Efficiency of biological control agent (Zygogramma bicolorata Pallister) against parthenium weed"	2015-2016	150000	University of the Punjab, Lahore
9.	Dr. Farhat Rass Masood Assistant Professor	"Palynology of Lignitous Coal from Some Selected some selected Outcrops, Salt Range, Pakistan.	2015-2016	150000	University of the Punjab, Lahore
10.	Dr. Ambreen Ahmad Assistant Professor	"To study phytostimulatory impacy of phyllospheric auxin-producing bacteri"	2015-2016	150000	University of the Punjab, Lahore
11.	Dr. Atif Kamran Assistant Professor	"Effect of different Foliar Concentrations of Zinc Sulphate on Rice Cuultivars"	2015-2016	150000	University of the Punjab, Lahore
12.	Dr. Asma Zulfiqar Assistant Professor	"Antioxidant study in Plants in Response to Chromium"	2015-2016	150000	University of the Punjab, Lahore
13.	Dr. Abdul Rehman Khan Niazi (Assistant Professor)	"Taxonomic Study of some Mushrooms of Ayubi National Park, KP, Pakistan"	2015-2016	150000	University of the Punjab, Lahore
14.	Dr. Muhammad Ishfaq Assistant Professor	"Biochemical and molecula analysis of superoxide dismutase in fungi"	2015-2016	125000	University of the Punjab, Lahore

○ **Newly launched:**

Fourteen faculty members have 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)

- 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 Lee² 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*
- Rabia Arif¹, Muhammad Ishfaq, and Muhammad Saleem¹. 28th Fungal Genetics Conference Pacific Grove, CA 2015 Controls and mechanisms of molecular biodiversity in coprophilous fungi *Sordaria fimicola*
- Rabia Arif¹, Siu Fai Lee² and Muhammad Saleem¹. Annual Conference of the German Genetic Conference, Kiel, Germany, 2015. "Evaluating potential Short Sequence Repeats (SSRs) markers in *Sordaria fimicola* "
- 14th International and 5th International Conference of Botany, Karachi, 2016
- Dr. M. Ishfaq Participated as Keynote speaker; Enhancement of lipids production in algae by using modern Genetic tools. Phycological workshop on ALGAL COLLECTION &
- BIO-FUEL production, 12-13th April, 2016. Phycology Lab., Department of Botany, GC University, Lahore, Pakistan.
- **Research Publications** (Authors name, Article name, Journal with date)
 - 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 DOI 10.17660/ActaHortic. 2016.1145.25
 - 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. Biochemical and molecular analysis of superoxide dismutase in *Sordaria fimicola* and *Aspergillus niger* collected from different environments. *Polish Journal of Environmental Studies*. PJOES-00785-2016-01 (Accepted) (I.F: 0.790).
- 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)
- 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 Hort.* 1145: 69-74.
- 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, 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)
- 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
- 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)
- Niazi, A.R., Farooqi, A., Aqdas, F., Niazi, A. R. Jabeen, S. and Khalid, A.N. *Inocybe ahmadii* sp. nov. and a new record of *I. leptocystis* from Pakistan. *Mycotaxon*. Vol: 132(2). IF: 0.68
- Niazi, A.R., Ishaq, A., Afshan N.S., Aime, M.C. & Khalid, A.N. First Report of Rust Caused by *Pucciniastrum guttatum* on *Galium* sp. from Pakistan, *Plant Disease* Vol: 101. IF: 3.192
- Niazi, A.R., Hussain, S., AFSHAN N.S., Habib, A., Khalid, A.N. *Parasola malakandensis* sp. nov. (Psathyrellaceae; Basidiomycota) from Malakand, Pakistan. *Mycoscience* Vol: 58(2) IF: 1.418
- Niazi, A.R., Khanum, S., Afshan N.S., Fiaz, M., Khalid, A. N. *Euoidium vernoniicola*, a new report for Pakistan. *Plant Pathology & Quarantine* Vol: 7(1)
- Niazi, A.R. Syatematic study of some gilled Mushrooms from District Hafizabad, Pakistan
- Niazi, A.R., A. Ishaq, Afshan N.S & A.N.Khalid *Aecidium Jasminicola*, a new pathogen for *Jasminum* sp. in 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.

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. Muhammad Hanif Ahmad, Govt. College University, Lahore.
 - Dr. Samina Sarwar, 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 (Harvard 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. Alejandra 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 >10 workshop, seminars and conferences.

○ **Projects:** (i) Completed

- Research Project entitled “Bioremediation of arsenic by indigenous arsenic resistant biofilm forming bacteria. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 0.25 million, PI: Dr Anjum Nasim Sabri
- 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 “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 “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 “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 2015-16).
 - Research Project Entitled: “Iron deficiency anemia and its associated factors in Pakistani adults” University of the Punjab (of worth Rs. 1,50,000). PI: Dr. Saba Riaz.
 - 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.
 - Punjab university research project entitled “Lactose Intolerance and its Association with Single Nucleotide Polymorphisms of the Lactase Gene” (2015-16) worth Rs. 1,50,000
 - Punjab university research project entitled “Isolation and characterization of tellurite resistant bacteria from industrial effluents” (2015-2016) worth Rs. 1,50,000. PI Dr. Abdul Rehman.
 - Punjab University research project entitled “Isolation and Characterization of selenium nano-particles from selenium resistant bacteria” (2015-2016) worth Rs.150,000. 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
 - HEC SRGP (164) Rs 448,500/- entitled “UV Protectants from Cyanobacteria and their Efficiency”. Dr Mehboob Ahmed
- **Projects (ii) Newly launched**
- Microbial degradation of petrol by *Bacillus* and *Enterobacter* species. Funded by the University of the Punjab, Lahore, (2016-2017), of worth Pak Rs. 0.15 million. PI: Dr. Muhammad Faisal



- 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.
- **Publications:** Research Articles
- Rashid R, Ameer F, Kalbacher H, Scanduzzi L, **Zaidi N**: Aberrant de novo cholesterologenesis: Clinical significance and implications. *Clin Chim Acta* 2015.
 - Sidra, S., Ali, Z., **Sultan, S.**, Ahmed, S., Colbeck, I., Nasir. ZA. 2015. Assessment of airborne microflora in the indoor micro-environments of residential houses of Lahore, Pakistan. *Aerosol and Air Quality Research*, 15(6): 2385-2396.
 - Sidra, S., Ali, Z., **Sultan, S.**, Ahmed, S., Colbeck, I., Nasir. ZA. 2015. Microbial dynamics during various activities in residential areas of Lahore, Pakistan. *Journal of Animal and Plant Sciences*, 25(3 Supp. 2): 741-743.
 - Yasmeen, H and **Hasnain, S.** 2015. *In vitro* antioxidant effect of *Camellia sinensis* on human cell cultures. *Pak. J. Pharm. Sci.*, 28(5):1573-1581.
 - Ijaz, S., and **Hasnain, S.** 2015. Antioxidant potential of indigenous cyanobacterial strains in relation with their phenolic and flavonoid contents. *Natural Product Research* ahead-of-print (2015): 1-4.
 - Hameed, A., and **Hasnain, S.** 2015. Sequencing of glutathione synthetase gene from the chromium resistant synechocystis sp. AHZ-HB-MK and AHZ-HB-P2A. *Science International*, 27(3): 2235-2243.
 - Hameed, A., and **Hasnain, S.** 2015. Role of metal detoxification by glutaredoxin gene and its isolation from chromium resistant cyanobacteria. *Science International*, 27(2): 1219-1224.
 - Sarwar, A., and **Latif, Z.** (2015). GC- MS characterization of antibacterial activity evaluation of *Nigella sativa* oil against diverse strains of *Salmonella*. *Natural Product Research*. 29(4): 447-451; DOI : 10.1080/14786419.2014.947493.
 - Tariq, S., Amin, A., and **Latif, Z.** (2015). PCR based DNA fingerprinting of Mercury resistant and nitrogen fixing *Pseudomonas* spp. *Pure and Applied Biology*. 4(1): 129-136.
 - Naseem, S. Yasin, M., Ahmed, A and **Faisal, M.** 2015. Chromium accumulation and toxicity in Corn (*Zea mays* L.) seedling. *Polish Journal of Environmental Studies*, 24(2): 899-904.
 - Rehman, F and **Faisal, M.** 2015. Estimation of toxic hexavalent chromium reduction potential of *Bacillus pumilis*, *Cellulosimicrobium cellulans* and *Exiguobacterium*. *Chinese Journal of Oceanology and Limnology*, 33: 585-589.



- Reza, F.A., Amin, A and **Faisal, M.** 2015. Characterization of desiccation tolerant rhizobacteria from Cholistan desert, Pakistan: Their impact on growth of Zea mays L. Polish Journal of Environmental Studies, 24(4): 223-231.
- Javed, S., Sarwar, A., Tassawar, C. and **Faisal, M.** 2015. Conversion of selenite to elemental selenium by indigenous bacteria isolated from polluted areas. Chemical Speciation & Bioavailability, 27(4): 162-168.
- Akram, W., Anjum, T. and **Ali, B.** (2015). Co-cultivation of tomato with two *Bacillus* strains: effects on growth and yield. J Anim Plant Sci, 25(6): 1644-1651.
- Lai, M., Guo, Y., Ma, J., Yu, H., Zhao, D., Fan, W., Ju, X., **Sheikh, M.A., Malik, Y.S.,** Xiong, W., *et al.* (2015). Myosin X regulates neuronal radial migration through interacting with N-cadherin. Frontiers in cellular neuroscience 9, 326.
- **Shabana** and **Hasnain, S.** (2015). Obesity, more than a 'Cosmetic' problem. Current knowledge and future Prospects of Human Obesity Genetics. 2016. *Biochemical Genetics*. 58(1): 1-28.
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- **Book / Book Chapters**
 1. Misbah Aslam and Nazia Jamil. **2015** Plasmid encoded bacteriocin transformation studies in *Alcaligenes* and *Brevundimonas* sp. *The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs A. Méndez-Vilas (Ed.) Formatex. Pp 336-345.*
 2. Afshan Butt, Saira Malik. *Microorgansims on currency notes and coins in circulation.* LAP LAMBERT academic publishing (2015). Omniscryptum GmbH and Co. KG. ISBN: 978-3-659-70880-0.
 3. Saadia Shahzad Alam and Samreen Riaz (2015). Thiamine and the Cellular Energy Cycles — A Novel Perspective on Type 2 Diabetes Treatment, *Treatment of Type 2 Diabetes, Dr. Colleen Croniger (Ed.), ISBN: 978-953-51-2032-2, InTech, DOI: 10.5772/59224. Chapter 2 page 23-59.*
 4. Hina Usman, Rimsha Munir, Fatima Ameer and **Shahida Hasnain**. “Cancer Associated Dyslipidemia”, Invited chapter in: “Advances in Dyslipidemia”. April, 2016.
 5. Nazia Jamil and Nuzhat Ahmed **2016**. "Co-synthesis of mcl- poly-3-hydroxyalkanoates and exopolysaccharide by *Pseudomonas aeruginosa* CMG607w. *Polymer science: research advances, practical applications and educational aspects A. Méndez-Vilas (Ed.) Formatex. Pp150-158.*
- **Conferences, Seminars and Workshops, etc.**
 - **Dr Shahida Hasnain** Panalist in discussion on “Promotion of Quality Research” National seminar on “Higher Education in Pakistan: the Way Forward” organized by Sindh Madressatul Islam University Karachi, October 16, 2015
 - **Dr. Nousheen Zehra Zaidi** presented work at Society for Immunotherapy of Cancer - 30th Anniversary Annual Meeting, National Harbor, Maryland, USA, November 2015.
 - **Dr. Sikander Sultan** attended and presented in 14th National and 5th International Conference of Botany “Climate Change and Phytodiversity Challenges and Opportunities” jointly organized by Department of Botany, Centre for Plant Conservation, Institute of Sustainable Halophyte Utilization and Department of Agriculture and Agribusiness Management, University of Karachi, Karachi, Pakistan, January 15-18, 2016.



- **Dr. Sikander Sultan** attended and presented in ECO-BIO 2016 Conference “Challenges in Building a Sustainable Biobased Economy” organized by Elsevier, March 6 - 9, 2016, Rotterdam, The Netherland.
- **Dr. Sikander Sultan** attended a Lecture on Kashmir Issue by Prof. Dr. Musarrat Abid, Director Pakistan Study Centre, March 1, 2016 organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.
- **Dr. Sikander Sultan** attended Two-Day Workshop on “4R Nutrient Stewardship for Food, Economic and Environmental Security” organized by Food and Agriculture Organization of the United Nations (FAO) in partnership with the Ministry of National Food Security & Research and Pakistan Agricultural Research Council, at Serena Hotel, Islamabad on 4-5 April, 2016.
- **Dr. Sikander Sultan** attended a seminar on “Emergency Treatment of Snake Bites” by Dr. Hafiz Shahid Lateef, Public Health Consultant organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 18th August 2016.
- **Dr. Zakia Latif** attended seminar on “Targeted therapies and companion diagnostics” delivered by Dr. Sairah Alvi (Consultant Global Medical Affairs, Astellas Chicago USA) organized by Department of Microbiology & Molecular Genetics, University of the Punjab on 6th October, 2015.
- **Dr. Zakia Latif** presented poster on “Antibiotic resistance pattern and distribution of *mec* and *cna* gene among biofilm producing Methicillin Resistance *Staphylococcus aureus* (MRSA) isolated from wounds” in International Symposium on Advances in Molecular Biology of Plants and Health Sciences organized by the Centre of Excellence in Molecular Biology, University of the Punjab, Lahore Pakistan on 29th to 31st December 2015.
- **Dr. Zakia Latif** presented poster on “GC–MS analysis and evaluation of antibacterial activity of *Nigella sativa* oil against diverse strains of *Salmonella*” in International Symposium on Advances in Molecular Biology of Plants and Health Sciences organized by the Centre of Excellence in Molecular Biology, University of the Punjab, Lahore Pakistan on 29th to 31st December 2015.
- **Dr. Zakia Latif** attended workshop on “Research design for diagnostic studies” organized by University of Health Sciences on 5th Nov. 2015 on the occasion of 38th annual PAP conference of the societies of Pathology in collaboration with the Royal College of pathologists and British Association of Pakistan Pathologists from 6th to 8th November, 2015.
- **Dr. Zakia Latif** attended 5th International / 10th National Conference of Pakistan Phytopathological Society, Crop Protection for Sustainable Agriculture, organized by Institute of Agriculture Sciences, University of the Punjab, and Lahore from 23rd to 25th. November, 2015. Presented poster on “Metabolic fingerprinting of bacterial strains isolated from northern areas of Pakistan and won 1st. Prize and Rs. 3000/- cash prize.



- **Dr. Zakia Latif** organized and attended conference “Diversity in Microbiology: A Crosstalk” on 17th December, 2015 organized by Department of Microbiology & Molecular Genetics, University of the Punjab.
- **Dr. Zakia Latif** attended “Hands-On Training on Usage of Fire Extinguishers” organized by Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, December 21, 2015.
- **Dr. Zakia Latif** attended international symposium on “Advances in Molecular Biology of Plants and Health Sciences” from 29th to 31st. Dec. 2015 organized by Centre of Excellence in Molecular Biology, University of the Punjab, Lahore Pakistan.
- **Dr. Zakia Latif** attended One day awareness seminar on “Zika Virus” by Dr. H. M. Kashif Saleem from United State of America organized by Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore and National Academy of Young Scientist (NAYS), April 25, 2016.
- **Dr. Zakia Latif** organized workshop on DNA fingerprinting: A tool to explore genetic diversity. 25-26 May, 2016, at Department of Microbiology and Molecular Genetics, University of the Punjab.
- **Dr. Zakia Latif** attended One day awareness seminar on “Vaccine a Shield” by Dr. Imran Iltaf from University of Animal Sciences (UVAS) organized by Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, April 28, 2016.
- **Dr. Nousheen Zehra Zaidi** organized Workshop on GraphPad Prism 6, Punjab University, Lahore, 24th Nov 2015.
- **Dr. Nousheen Zehra Zaidi** organized Workshop on Western Blotting, Punjab University, Lahore, April, 2016.
- **Dr. Nousheen Zehra Zaidi** organized Workshop on 2D and 3D Eukaryotic Cell Culture System, Punjab University, Lahore, 9th-10th Feb, 2016.
- **Dr. Muhammad Faisal** Attended one day symposium “Diversity in Microbiology: A Crosstalk” organized by ASM and Department of Microbiology and Molecular Genetics, University of the Punjab, on 17 December, 2015.
- **Dr. Muhammad Faisal** Attended one day seminar on “World Quality Day” organized by University of the Punjab in collaboration with Virtual University Lahore on 5th April, 2016 at Al-Razi Hall University of the Punjab, Lahore.
- **Dr. Muhammad Faisal** Attended three day conference on medical sciences in BSMU, Mirpur, AJK on 6-8 May, 2016.
- **Dr. Nazia Jamil** research paper presented International Postgraduate Conference on Biotechnology (IPCB) 24-26th August 2016, Surabaya, Indonesia organized by Department of Environmental Engineering, ITS with co-host Soka University and University Malaysia Trengganu. Poster presentation Potentials of Urban and Desert soil for bioplastic production.



- **Dr. Nazia Jamil** research paper presented in Annual Scientific Conference 2016 at Mohtarma Benazir Bhutto Shaheed University of Health Sciences, Azad Jammu Kashmir in collaboration of Shaheed University of Health Sciences, Lahore, Pakistan, from May 06-08, 2016
- **Dr. Abdul Rehman** presented research work in 36th Pakistan Congress of Zoology (International) held at University of Sindh, Jamshoro, on February 16-18, 2016.
- Dr. Abdul Rehman participated in event entitled "Moral Quality Day" organized by University of the Punjab and Virutal University of Pakistan, on April 05, 2016.
- **Dr. Abdul Rehman** participated as **Guest Speaker** in event entitled "National Symposium on Biotechnology and Bioengineering: Application and Advantages" organized by Lahore College Women University, Lahore and Society for the Promotion of Science and Technology, on May 12, 2016.
- **Dr. Abdul Rehman** presented research work in event entitled "Recent Advances and Challenges in Molecular Biology, Biochemistry and Biotechnology" organized by Centre for Advanced Drug Research (CADR) ,Comsats Institute of Information Technology, Abbottabad, on August 25-27, 2016.
- **Dr. Basharat Ali** presented research work titled "Biofertilization and growth promotion of *Triticum aestivum* L. by halotolerant rhizobacteria" in International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), held from 7-10 December, 2015, Penang, Malaysia.
- **Dr. Basharat Ali** presented research work titled "Auxin production and biofertilization of *Triticum aestivum* L. by halotolerant rhizobacteria" in International Conference on Bioscience and Biotechnology (BioTech2016), held from 12-13 January, 2016, Colombo, Sri Lanka.
- **Dr. Basharat Ali** presented research work titled "Biofertilization by halotolerant rhizobacteria enhanced growth and yield of *Triticum aestivum* L. in salt amended soils" in 7th International Crop Science Congress (7th ICSC), held from 14-19th August, 2016, Beijing, China.
- **Dr. Basharat Ali** participated in 5th International/ 10th National Conference of Pakistan Phytopathological Society held at Institute of Agricultural Sciences, University of the Punjab, Lahore, from 23-25 November, 2015.
- **Dr. Basharat Ali** presented research work titled" Functional and genetic diversity of halotolerant rhizobacteria and their biofertilization potential in salt amended soils" in 14th National and 5th International Conference of Pakistan Botanical Society held from 15-18 January, 2016, Karachi, Pakistan.
- **Dr. Basharat Ali** attended "Master Trainer Program" organized by Pakistan Biological Safety Association in collaboration with NIH and ICLS at Pakistan Academy of Sciences, Islamabad from 14-18 March, 2016.



- **Dr Shafiq ur Rehman** participated in five days' workshop on "Advanced imaging Techniques in Biological and Nano-Sciences" held at NIBGE Faisalabad November 16-20, 2015.
- **Dr Shafiq ur Rehman** participated in first international conference of virology organized by Imperial University Lahore on 14 Apr 2016.
- 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. Saira Malik** attended and presented a poster in Gordon Research Conference on Single Nucleotide Polymorphisms and Disease, from June 12-17, 2016 in Mount Holyoke college, South Hadley, Massachusetts, USA (Avalied Punjab university travel grant 2016)
- **Dr. Saira Malik** attended a workshop on DNA Fingerprinting on May 25-26, 2016 in Department of Microbiology and Molecular Genetics University of the Punjab, Lahore
- **Dr. Saira Malik** attended DNA Strategy symposium on January 18-19, 2016 in Punjab Forensic Science Agency, Lahore
- **Dr. Saira Malik** attened Hands-on Training on EndNote® on January 12, 2016 in Department of Microbiology and Molecular Genetics University of the Punjab, Lahore
- **Dr. Saira Malik** attended a workshop on Research design for Diagnostic studies on November 5, 2015 University of Health Sciences, Lahore, Pakistan.
- **Dr Mehboob Ahmed** attended Swedish Consortium for Artificial Photosynthesis meeting, Department of Chemistry, Royal Institute of Technology (KTH), Stockholm, Sweden (06 October 2015)
- **Dr Mehboob Ahmed** delivered lecture in One Day Workshop on Graphpad Prism, Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore (24 November 2015)
- **Dr Mehboob Ahmed** attended One day Symposium on Diversity In Microbiology: A Crosstalk, Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore in collaboration with American Society for Microbiology (ASM) and ORIC, University of the Punjab, Lahore (17 December 2015)
- **Dr Mehboob Ahmed** Conducted Training Session on EndNote® for Faculty members in University of the Punjab, Lahore (12 January, 2016)
- **Dr Mehboob Ahmed** Presented in 5th International and 14th National conference of Botany organized by Pakistan Botanical Society at University of Karachi, Karachi (15-18 January 2016)
- **Dr Mehboob Ahmed** attended Workshop on Research /Academic writing in Forman Christian College (FC University) (22 April, 2016)



- **Dr Mehboob Ahmed** Presented in the European Networks Conference on Algal and Plant Photosynthesis (ENCAPP 2016), organized by University of Copenhagen at Qawra, Malta (26-29 April 2016)
- **Dr Mehboob Ahmed** Attended Two Days Workshop on Patent & Research Paper Writing at Nathia Gali, organized by Peshawar University (29th May to 01st June 2016)
- **Dr Mehboob Ahmed** Attended One Day Workshop On "Dual Use Research of Concern" jointly organized by the Department of Microbiology and Molecular Genetics, University of the Punjab and The Health Security Partners (18th July, 2016)
- **Dr Mehboob Ahmed** Attended National Workshop on "Organic Food and Health: Avenues of Innovation and Entrepreneurship", organized by Pakistan Council for Science and Technology at University of Management and Technology, Lahore. (29 August 2016)
- **Dr Mehboob Ahmed** Attended ASM Conference for Undergraduate Educators (ASMCUE) being organized by American Society for Microbiology (ASM) at Bethesda, Maryland, USA (21-24 July 2016)
- **Dr Mehboob Ahmed** Conducted Training Session on EndNote® for Faculty members in University of the Punjab, Lahore (12 January, 2016)
- **Dr Mehboob Ahmed** Presented in 5th International and 14th National conference of Botany organized by Pakistan Botanical Society at University of Karachi, Karachi (15-18 January 2016)
- **Dr Mehboob Ahmed** Conducted Training Session on Turnitin® Anti Plagiarism Tool, EndNote® and SPSS for Faculty members in The Women University Multan, Multan (06 January, 2016)
- **Dr Shabana** Attended one day event entitled 'Diversity in Microbiology: A crosstalk' organized by the Department of Microbiology and Molecular Genetics, University of the Punjab on December 17, 2015.
- **Dr Shabana** gave Oral Presentation entitled 'Replication of six type 2 diabetes susceptibility loci in obesity in Pakistani subjects' on One day awareness and research symposium on Diabetes, Heart Disease and Related Metabolic Disorders on November 05, 2015 at NIBGE, Faisalabad.
- **Dr Shabana** Attended One Day Workshop On 'Dual Use Research of Concern' jointly organized by the Department of Microbiology and Molecular Genetics, University of the Punjab and The Health Security Partners on 18th July, 2016.
- **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. Numan Javed** attended the 6th Nature Publishing Group (npg) Cell Death & Disease Symposium on Tissue Microenvironment and Diseases held at Changzhou, China. November 8-9, 2015.
 - **Dr. Numan Javed** attended International Pasteur Institute Network (IPIN) 2016 Asia-Pacific Regional Meeting "Getting Ready to answer Public Health Great Challenges" held at Institute Pasteur of Shanghai, Shanghai, China. May 19, 2016.
 - **Dr. Numan Javed** attended International course on Cell Biology & Infection: Digital Image processing/ Analysis tools for quantitative light microscopy imaging organized by International Pasteur Institute Network (IPIN), held at Hellenic Pasteur Institute, Athens, Greece. July 4-8, 2016.
 - **Warda Fatima** organized a conference entitled "Diversity in Microbiology: A cross Talk" held by Department of Microbiology and Molecular genetics, University of the Punjab 17th December 2015
 - **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** organized one day seminar entitled "Diversity in Microbiology: A Crosstalk" 17th December, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
 - **Dr. Yasir Rehman** organized one day workshop entitled "Dual use research of concern" 18th July, 2016. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan in collaboration with Health Security Partners, Washington, DC, USA.
 - **Mr. Zeeshen** won the ICSTM 2016 Travel Grant to Participate as Conference Secretary in 1st International Conference on Science, Technology and Management (ICSTM 2016) BANGKOK, THAILAND (04th April 2016 – 5th April 2016)
 - **Mr. Zeeshen** won the ICSTM 2016 Travel Grant to Participate as Conference Secretary in 2nd International Conference on Science, Technology and Management (ICSTM 2016) KUALA LUMPUR, MALAYSIA (29th August 2016 – 30th August 2016)
 - **Dr. Muhammad Abid Sheikh** Attended one day workshop "Endnote bibliography made easy" At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 12 January, 2016.
- **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. Atiq 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	10,000 USD	IFS
7.	Dr Abdul Rehman	Rs.1,50,000	University of the Punjab
8.	Dr. Basharat Ali	Rs.1,50,000	University of the Punjab
9.	Dr. Basharat Ali	Rs. 369,000	HEC
10.	Dr.Imran Sajid	PKR 8.90 million	HEC
11.	Dr.Imran Sajid	Rs.1,50,000	University of the Punjab
12.	Dr Shafiq-ur Rehman	Rs.1,50,000	University of the Punjab
13.	Dr. Zaigham Abbas	Rs.1,50,000	University of the Punjab
14.	Dr Rida Batool	Rs.1,50,000	University of the Punjab
15.	Dr Saba Riaz	Rs. 495,000	HEC
16.	Dr Saba Riaz	Rs.1,50,000	University of the Punjab
17.	Dr Saira Malik	Rs.1,50,000	University of the Punjab
18.	Dr Samreen Raiz	Rs.1,50,000	University of the Punjab
19.	Dr Nageen Hussain	Rs.1,50,000	University of the Punjab
20.	Dr Mehboob Ahmed	Rs.60,35,324	HEC



21.	Dr Mehboob Ahmed	Rs.1,50,000	University of the Punjab
22.	Dr Mehboob Ahmed	Rs.4,33,000	HEC
23.	Ms Warda Fatima	Rs.1,25,000	University of the Punjab
24.	Ms Shabana	Rs.1,25,000	University of the Punjab
25.	Dr Yasir Rehman	Rs.1,50,000	University of the Punjab
26.	Mr. Muhammad Zeeshan Akbar	Rs.1,25,000	University of the Punjab
27.	Dr. Nousheen Zaidi	Rs.1,50,000	University of the Punjab
28.	Dr. Nousheen Zaidi	820,000 PKR	COMSTECH-TWAS
29.	Dr. Nousheen Zaidi	16,790,000 PKR	HEC-NRPU
30.	Ms Ammara Khalid	Rs. 2,50,000	University of the Punjab
31.	Dr. Muhammad Abid	Rs. 1,50,000	University of the Punjab
32.	Dr. Yasir Rehman	Rs. 1,50,000	University of the Punjab

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ Publications

- Butt, Z. I., Akhtar, T., Rashid, K., Saeed, N., & Adnan, M. A. J. (2015). Role of vitamin D3 supplement as an ergogenic aid for bone and muscle health of powerlifters from Punjab, Pakistan. Science International 27(3),2189-2193 (Impact Factor=0.75) (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Akhtar, T., Adnan, M. A. J., & Saeed, N. (2015). Synergetic effect of vitamin D3 supplementation for muscle health of weightlifters in Pakistan. Science International 27(4),3311-3317 (Impact Factor=0.75) (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Rashid, K., Saeed, N., Adnan, M. A. J., & Shah, A. J. (2015) Effect of anxiety on athlete's performance (A case study). Science International 27(5),4177-4180 (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Khalil, U., Butt, Z. I., Haider, S., Naveed, N., & Khan, A. (2015). Quality of teaching & learning at directorate of staff development (DSD) in the punjab province: Practices and problems. Science International 27(5),4763-4766 (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Rashid, K., Akhtar, T., Saeed, N., Adnan, M. A. J., Mansoor, N., & Butt, R. H. (2015). Practices of stress management adopted by university students. Science International 27(6),6211-6218 (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316



- Rashid, K., Butt, Z. I., Khalid, N., Saeed, N., Adnan, M. A. J., Butt, R. H. & Mansoor, N. (2015). A study of teaching and displaying ethics by the teachers. Science International Dr Muhammad Zafar Iqbal Butt 5 27(6),6413-6422 (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Rashid, K., Butt, Z. I., Amin, Q., Saeed, N., Adnan, M. A. J., & Butt, R. H. (2015). Investigation of pedagogical beliefs of secondary school english teachers working at public schools of Lahore and kasur. Science International 27(6),6319-6325 (HEC Recognized Journal Z Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Rashid, K., Mansoor, N., Akhtar, T., Saeed, N., & Adnan, M. A. J. (2016). Effects of sports on social behavior of university students. Science International 28(2),1525- 1529 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Rashid, K., Mahanoor, Akhtar, T., Saeed, N., Adnan, M. A. J., & Hashmi, S. (2016). Relationship between psychological wellbeing and exercise. Science International 28(2),1569-1574 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Malik, A., Butt, Z. I., Rashid, K., Saeed, N., Adnan, M. A. J., & Butt, R. H. (2016). Identification of leadership styles traits and competencies of secondary school heads. Science International 28(2),1525-1529 (HEC Recognised Journal Y Category) <http://www.sciint.com/> ISSN 1013-5316
- Butt, Z. I., Akhtar, T., Adnan, M. A. J., Munir, I., Mughal, A. W., Saeed, N., Butt, R. H., & Fozia, T. (2016). Effect of doping belief on purchase intention of sports consumers (SC)- In purchase of athletes' brand image. Science International 28(4),3735-3741 (Impact Factor=0.75) (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Din, B. M. U., Adnan, M. A. J., Khan, A., Saeed, N., Naim, J. A., Asghar, W. (2016). Measuring the effect of imagery on 60M hurdler. Science International 28(4),3681- 3688 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316 —
- Butt, Z. I., Din, B. M. U., Adnan, M. A. J., Munir, I., Mughal, A. W., Saeed, N., Nazeer, M. T. (2016). Comparative study of physical variables between greco-roman and freestyle wrestlers of Punjab, Pakistan. Science International 28(4),131-142 (HEC Recognized Journal Y Category) <http://www.sci-int.com/> ISSN 1013-5316 —

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.

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○ **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. 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.	4.12 0.15
Dr. Chaman Ara	Ameliorative effect of vitamin c on monosodium glutamate induce toxicity in male mice	0.15

○ **Publications**

- 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
- 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
 - Presented seminar titled "History of life: Geological time Scale and the Fossil Record" was presented in second National Seminar on Palaeontology held at GCU Faisalabad on 3rd December, 2015
- 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 is especially focusing on Research and Development in the field. One of our mega projects is the production of virus resistant cotton plants. We have successfully developed resistant cotton germplasm against CLCV. In the next step we are looking forward for its lab scale mass production and commercialization. Research on Aleo vera plant to exploit its commercial uses is also in progress. The department has successfully made Aleo vera juice in five different flavours. Other products including Aleo vera jam, candies and gel have also been introduced. Research on effect of these products on diabetes and high blood pressure is in progress. First Fungal Culture Bank of Pakistan is also a key feature of our institute that is regularly providing identified cultures of fungi and bacteria to researchers all over Pakistan on nominal charges. In herbal heritage project we are focusing on the use of plant extracts and essential oils for various purposes. A project has been successfully completed in which the herbal extracts have been utilized to biodegrade Aflatoxins both in vitro and in vivo. The resultant products have been found safe for tested living system.

Projects (i) Completed

- Dr. M. Saleem Haider, Professor & Director
2015-16: Investigation of *in planta* accumulation and localization of cotton leaf curl Kokhran virus (CLCuKoV) at tissue and cellular level. Project awarded by the University of the Punjab, worth Rs.0.250 million.



- Dr. Salik Nawaz Khan, Associate professor
2015-16: Geographical Distribution and genetic characterization of *Macrophomina phaseolina* associated with stalk rot of maize in different maize growing areas of Punjab. Awarded by University of the Punjab.
- Dr. Tehmina Anjum, Assistant Professor
2015-16: Principal investigator in one year (2014-2015) project entitled “Elucidation of biochemical, histological and molecular basis of resistance in tomato against *Fusarium wilt*”. Funded by University of the Punjab. Grant = 1,50,000/Rs by PU.
- Dr. Amna Shoaib, Assistant Professor
2015-16: Principal investigator in the project entitled Biological control efficiency of *Trichoderma* spp. against *Sclerotium rolfsii*. Support of Academic Research, Punjab University, Pakistan. Grant = 1,50,000/Rs by PU
- Dr. Uzma Bashir, Assistant Professor
2015-2016. Effect of Secondary Metabolites and related enzymes in *Sclerotium wilt* of Chilli. Funded by academic research, University of the Punjab, Lahore
- Dr. Shazia Shafique, Assistant Professor
2015-2016. “Protein profile of tomato induced by pathogenic and non-pathogenic fungal species”. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
- Dr. Muhammad Ashfaq, Assistant Professor
2015-16: Principal investigator in the project entitled Screening of potential DNA resistant markers associated with rice grain discoloration disease (Rs: 150000).
- Dr. Rashid Mahmood, Assistant Professor
2015-16: Principal investigator in the project entitled Influence of various fertilizer-coating materials on hydrolysis of urea in soil. Awarded by University of the Punjab.
- Dr. Muhammad Bilal Chattha, Assistant Professor
Completed a research project as Principal Investigator, entitled “Evaluation of sugar industry by-products as nutrient supplement for sugarcane (*Saccharum officinarum* L.) worth PKR.0.15 million during 2015-16 funded by University of the Punjab, Lahore.
- Completed a research project as Principal Investigator, entitled “Evaluation of Different Irrigation Schedule and Nitrogen Fertigation Levels for Improving Water Use Efficiency under Various Crops.” worth PKR.3.048 million during 2014-16 funded by Water Management Training and Research Institute, Punjab, Lahore.
- Dr. Shahbaz Ahmad, Assistant Professor
2015-16: DNA Barcoding and Management of *Chilo partellus* (Pyralida, Lepidoptera) by using sustainable approaches, Awarded by University of the Punjab.



- Dr. Muhammad Nasir Subhani, Assistant Professor
2015-16: “Comparative efficacy of fungicides, homeo-fungicides and methanol plant extracts against Bakanae disease of rice incited by *Fusarium moniliforme*” worth PKR.0.15 million funded by University of the Punjab, Lahore.
- Dr. Naureen Akhtar, Assistant Professor
Principle Investigator “Characterization and control of fungal pathogen(s) causing leaf spot disease in Money Plant” Awarded by University of the Punjab in 2016.
- Dr. Nasir Ahmad, Assistant Professor
2015-16: “Exploring valuables from waste food through enzymatic processing” worth PKR.0.15 million funded by University of the Punjab, Lahore.
- Dr. Muhammad Ali, Assistant Professor
Principal Investigator of the research project entitled “The Control of Jassid (Amrasca biguttula biguttula) on brinjal through the bio-pesticides and habitat management in Lahore Division. 0.5 Million funded by Higher Education Commission Islamabad. (2013-2016).
- Dr. Hafiz Azhar Ali Khan, Assistant Professor
2015-16, entitled “Monitoring susceptibility of field strains of stored product insect pests to spinosad, a biorational insecticide. Awarded by University of the Punjab, Lahore, Pakistan (Status=completed)
- Dr. Sobiya Shafique, Assistant Professor
“Determination of biochemical interactions in tomato caused by pathogenic and biocontrol infections of microbes”. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan, 2015.
- Dr. Muhammad Shafiq, Assistant Professor
 - Co-Principal Investigator of project entitled “Haunglongbing in Pakistan” funded by HEC
 - Co-Principal Investigator of project entitled “Standardization and identification of *Murraya exotica* species of Pakistan” funded by HEC
- Dr. Zaheer Hussain, Assistant Professor
2015-16: Pre disposing Factors of Subclinical Mastitis Awarded by University of the Punjab.
- Dr. Sajid Ali, Assistant Professor
Co-Principal Investigator. 2015-16. Knowledge, attitude and practices (KAP) survey of farmers related to crop production and protection in Punjab, Pakistan. University of the Punjab, Lahore
- Mr. Adnan Zahid, Lecturer
2015-16: Principal Investigator of the research project entitled “Accumulation and remobilization of N-P contents under different sowing time and N-P levels in mungbean (*Vigna radiata* L.). 0.15 Million funded by University of the Punjab, Lahore for the fiscal year 2014-15.



- Ms. Mehreen Hassan, Lecturer
Sequestered standing carbon stock in selective tree species grown in the New Campus of University of the Punjab Lahore Pakistan. Awarded by University of the Punjab. 2015
- **Project: Newly launched**
 - Dr. M. Saleem Haider, Professor & Director
2015-16: Biochemical remodulation mechanisms underlying effects of chickpea chlorotic dwarf virus on tomato plant that mediate transmission by leafhopper vectors. Project awarded by the University of the Punjab, worth Rs.0.250 million.
 - Dr. Tehmina Anjum, Assistant Professor
2015-16: 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
 - 2015-16: 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
 - 2015-16: Principal investigator in the project entitled Significance of antioxidant potential of plants and its relevance to plants diseases in the Institute of Agricultural Sciences, University of the Punjab. Grant = 10,00,000 by PU.
 - Dr. Uzma Bashir, Assistant Professor
2015-2016. Herbicidal activity of fungal metabolites against parthenium weed. Funded by academic research, University of the Punjab, Lahore
 - Dr. Muhammad Ashfaq, Assistant Professor
 - 2015-16: Screening, improvement and development of high yielding rice varieties using SSR markers (Rs: 150000) 2016-17.
 - 2015-16: Assessment of post-harvest quality in broccoli by silencing ethylene triple response factor (ETR) using floret specific promoter (Rs: 150000) 2016-17.
 - Dr. Shazia Shafique, Assistant Professor
2015-2016. “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. Rashid Mahmood, Assistant Professor
Urease activity of soil for humic acid and sulfur coated urea. Awarded by University of the Punjab.



- Dr. Naureen Akhtar, Assistant Professor
Principle Investigator “Isolation and characterization of leaf spot causing fungal pathogens” Awarded by University of the Punjab
- Dr. Muhammad Ali, Assistant Professor
The comparison of different genotypes of eggplant on the bases of biochemical plant characters against plant leaf hopper (*Amrasca biguttula biguttula* (Ishida).
- Dr. Hafiz Azhar Ali Khan, Assistant Professor
Studies on permethrin resistance in house flies. Awarded by University of the Punjab
- 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. Muhammad Shafiq, Assistant Professor
- Establishment of Development of novel genomic approaches for citrus DNA barcoding . Awarded by University of the Punjab.
- Ms. Qurat-ul-Ain Farooq, Lecturer
 - A comparative study on germination and early stand establishment of French Marigold (*Tagetes patula*) and African Marigold (*Tagetes erecta*) seeds by inducing physiological and chemical changes through seed priming. Awarded by University of the Punjab.
 - Establishment of protocol for multiflication of olive through tissue culture technique. Awarded by University of the Punjab.
 - Use of homemade and chemical floral preservative for extension of vase life of gladiolus cut flower.
- Mr. Adnan Zahid, Lecturer
 - 2015-16: Co-Principal Investigator of the research project entitled “GIS-based monitoring heavy metals content in soils of selected areas of Lahore”. 0.15 Million funded by University of the Punjab, Lahore for the fiscal year 2015.
 - Co-Principle Investigator of the research project entitled “Social integration outreach programme: Awareness on Dengue through workshops, seminars and roadshow” 1.0 million funded by University of the Punjab, Lahore and Higher Education Commission fiscal year 2015
- Mr. Waheed Anwar, Research Officer
Control of *Fusarium* and *Verticillium* wilt through Fungal Chitinases and Glucanases.
- **Publications:** Books/Edited
 - Dr. Tehmina Anjum, Assistant Professor
Tehmina Anjum and Wajiha Irum. 2016. Production of Cyclosporine A by submerged fermentation. In: Fungal Metabolites (ISBN: 978-3-319-19456-1 Online) Reference Series in Phytochemistry. Editors: Jean-Michel Merillon and Kishan Gopal Ramawat. doi: 10.1007/978-3-319-19456-1_4-1. Springer International Publishing Switzerland.



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

- Dr. Salik Nawaz Khan, Associate Professor
 - 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
 - Salik Nawaz Khan Sumera naz Ghulam Mohy-uddin , Shumaila farooq. Oral presentation entitled “Genetic diversity of local population of Myrothecium roridium and their relationship with geographical origin and virulence against myrothecium leaf spot disease of Bittergourd. 13th biennial conference of Pakistan society for biochemistry and molecular biology on August 25-27. 2016 at COMSAT Abbotabad Pakistan
 - Salik Nawaz Khan*, Sumera Naz, Ghulam Mohy-Ud-Din , Shumaila Farooq, “Investigation on histopathology of Myrothecium . roridium in bitter gourd” International conference on resource management challenges and opportunities held on 14th -15th April 2016 at Kotli Azad Kashmir
 - Salik Nawaz Khan* Sadaf Nassar ullah , Sumera naz, Nasir Mehmood “RAPID–pcr analysis of cercospora leaf spot disease against commercial germplasm of Zea mays. In International Conference on major constraints to plants assessment and designation on March 28-30 2016 at G.C University Faisalabad Pakistan
 - Salik Nawaz Khan* Shumaila Farooq, Umer khalid Oral presentation “Report on fungi associated with postharvest quality deterioration of Fragaria X ananassa”. International conference on horticultural sciences held from 18th to 20th Feb 2016 at university of Agriculture Faisalabad
 - Salik Nawaz Khan*, Sumera Naz, Ghulam Mohy-Ud-Din , Shumaila Farooq, Oral presentation “Allelopathic potential of conventional condiments and vegetable plant extracts against Myrothecium roridium Toad associated with Myrothecium leaf spot disease of Momordica charantia L. (bitter gourd)” in the 3rd international conference of asian allelopathy society(3rd AAS) held from 30th October to 2nd November 2015 at Fuzhou China.



- Dr. Arshad Javaid, Associate Professor
 - Akhtar R, Javaid A (2015). Biochemical management of *Fusarium oxysporum* f. sp. *cepae* by root extract of *Withania somnifera*. In: 5th International/10th National Conference of Pakistan Phytopathological Society. November 23-25, University of the Punjab, Lahore, Pakistan.
 - Javaid A, Akhtar R (2016). Environmental friendly strategies for management of basal rot disease of onion. In: 2nd International conference of Horticultural Science, February 18-20, 2016, at University of Agriculture, Faisalabad, Pakistan.
 - Javaid A, Qudsia H, Shoaib A (2016). Bioassays guided fractionation of *Senna occidentalis* for identification of natural antifungal constituents against *Macrophomina phaseolina*. In: International Conference on Major Environmental Constraints to Plants: Assessment and Reclamations, March 28-30, 2016, at Government College University, Faisalabad, Pakistan.
 - Javaid A, Jabeen N (2016). Management of *Sclerotium rolfsii* by methanolic fruit extract of *Datura metal*. In: First International Conference on Resource Management, Challenges and Opportunities, April 14-15, 2016, at University of Management Sciences & Information Technology, Kotli, Azad Jammu & Kashmir, Pakistan.
 - Javaid A, Akbar M (2016). Isolation of (Z)- docos-5-en-1-oic acid from culture filtrates of *Drechslera hawaiiensis*. In: 13th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology on Recent Advances and Challenges in Molecular Biology, Biochemistry & Biotechnology, July 25-28, 2016, at COMSAT Institute of Information Technology, Abbottabad, Pakistan
- Dr. Tehmina Anjum, Assistant Professor

Organizer and poster presented on “Potential of plant essential oils in management of postharvest decay in citrus” in 5th International conference of Phytopathological Society of Pakistan, In Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan between November 23 – 25, 2015. Page # 163.
- Dr. Uzma Bashir, Assistant Professor
 - Uzma Bashir and Naureen Akhtar. 2015. Morphological and Genotypic Characterization of Different *Apergillus* species. 10th Biennial International Conference of Pakistan Society for Microbiology (PSM10). March 25-28. Department of molecular genetics and microbiology, University of the Punjab. Lahore
 - Uzma Bashir. 2015. Fungicidal potential of aqueous and organic solvent extracts of allelopathic plants leaves against phyto-pathogenic fungi *Fusarium solani*. 18th International Plant Protection Congress, IPPC. Berlin. Germany on 24-27TH August 2015
 - Amna Shoaib, Tehmina Tufail, Uzma Bashir. 2015 Induction of Resistance against Collar Rot Disease of Chilli by Farm Yard Manure under Chromium Stress. 5th International/10th National Conference of Pakistan Phytopathological Society (5th ICPPS 2015) November 23-25. Pakistan



- Uzma Bashir, Ayesha Khan and Arshad Javaid. 2015. Evaluation of culture filtrates of *Aspergillus phoenicis* for the control of parthenium weed. 5th International/10th National Conference of Pakistan Phytopathological Society (5th ICPPS 2015) November 23-25. Pakistan.
- 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.
- Dr. Shazia Shafique, Assistant Professor
Attended and Presented, 5th International and 10th National conference of Pakistan Phytopathological Society on Crop protection for sustainable agriculture. 23-25 November, 2015, Institute of Agricultural Sciences, Lahore, Pakistan.
- Dr. Rashid Mahmood, Assistant Professor
 - Sumreen S., M. Yaseen and R. Mahmood. Impact of calcium carbide-influenced nitrogen uptake and ethylene related response on fruit quality of three tomato (*Lycopersicon esculentum* Mill.) cultivars. Oral Presentation: 5th International Conference on Crop Protection for Sustainable Agriculture. November 23-25, 2015, Institute of Agricultural Sciences, University of the Punjab, Lahore
 - Mahmood, R., S. Siddique and S. N. Khan. Correlation of curd-associated fungi with NPK and Na concentrations in cauliflower. Poster presentation: International Conference on Soil Sustainability for Food Security 15th -17th November, 2015, Institute of Soil & Environmental Sciences, University of Agriculture, Faisalabad, Pakistan.
- Dr. Muhammad Bilal Chattha, Assistant Professor
 - Participated and presented research work in the 5th International / 10th National Conference of Pakistan Phytopathological Society, November 23-25, 2015, at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
 - Participated and presented research paper in the 2nd International Conference on "Horticultural Sciences, February 18-20, 2016, at University of Agriculture, Faisalabad, Pakistan.
 - Participated and presented research paper in the 3rd International Conference on Global Environmental Changes, March 21-22, 2016, at Government College University, Faisalabad, Pakistan.
- Dr. Shahbaz Ahmad, Assistant Professor
 - Shahbaz Ahmad, Evaluation of indigenous plant extract against the aphid, *Schizaphis graminum*, under laboratory conditions. International Congress of Entomology, (ICE) organized by Entomological Society of America (ESA) held in Orlando, Florida, U.S.A, September 25-30, 2016.



- Shahbaz Ahmad, 2015 The Sustainable development of Integrated plant protection in Pakistan in 5th International Conference of Phytopathological society of Pakistan held in University of the Punjab Pakistan.
- Shabaz Ahmad, 2015. Role of Entomopathogens in Plant Protection in Pakistan in 5th International Conference of Phytopathological society of Pakistan held in University of the Punjab Pakistan.
- Shahbaz Ahmad. Screening of sugarcane cultivars to assess the incidence against *Chilo infuscatellus* (Pyralidae, Lepidoptera). Entomology up North and to Asia Beyond" -the 46th AGM and Scientific Conference of the Australian Entomological Society, held in Cairns 27 - 30 September 2015, Australia.
- Dr. Muhammad Nasir Subhani, Assistant Professor
 - Muhammad Bilal Chattha, Malik Fiaz Hussain Ferdausi, Muhammad Nasir Subhani, Muhammad Umar Chattha and Muhammad Usman Chattha. 2016. Growth and yield attributes of intermediate hybrid tomato as affected by foliar application of micronutrients under greenhouse conditions. 2nd International Conference on Horticultural Sciences "Production challenges and food security held on February, 18-20, 2016 at Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan.
 - Muhammad Nasir Subhani, Muhammad Bilal Chattha and Waseem Abbas. 2016. Relationship of environmental conditions with PVY disease development in potatoes for sustainable crop production. 2nd International Conference on Horticultural Sciences "Production challenges and food security held on February, 18-20, 2016 at Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan.
- Dr. Naureen Akhar, Assistant Professor

Isolation and identification of aflatoxin producing and non-producing strains of *Aspergillus*. Annual Conference of Microbiology Society held on 21-24 March 2016 at ACC, Liverpool UK.
- Dr. Muhammad Ali Assistant Professor
 - Poster presentation in International congress of Entomology " Muhammad Ali, Muhammad Ashfaq, Asim Gulzar, Muhammad Tariq and Muhammad shahzad" Study of various biopesticide to control the cotton jassid eggplant on Aubergine (*Solanum Melongena* L.) under field condition. Organized by the Pakistan Entomological Society Department of Entomology University of Agriculture Faisalabad Pakistan.PP-141 (16-18 DEC 2016).
 - Poster presentation #3" Muhammad Ali, Muhammad Ashfaq, Asim Gulzar, Abdul Ghaffar and Naureen Rana" The compression of different plant extracts as natural insecticides to manage the jassid (*Amrscsa Spp*) population on the brinjal (*Solanum melongena* L.) crop. " Australian entomological society 47th AGM and New Zealand Entomological society Conference being held in Melbourne, Victoria, Australia (27 - 30 November 2016) PP 141.



- Poster presentation” Muhammad Ali, Muhammad Ashfaq, Sajjad Ali, Asim Gulzar, Abdul Ghaffar and Muhammad Shahzad” Response of different genotypes of brinjal to jassid population by external application of Potash in Lahore.” International conference on the significance of Potash use in Pakistani agriculture. Organized by Institute of Agricultural Sciences University of the Punjab Lahore 24-25 Nov 2016. Pp49-50.
- Oral presentation #2570” Muhammad Ali, Muhammad Ashfaq, Naureen Rana, Syed Muhammad Zakria and Azhar-uddin- Bahtti. Evaluation of insecticidal properties of some bio-extracts and a bio-agent performance on aphid (*Sitobion avenae* F.) (Aphididae:Hemiptera), incidence on wheat (*Triticum aestivum* L.) crop” XXV international congress of Entomology 25-30 September 2016 Orlando, Florida USA, Pp317.
- Oral presentation “Muhammad Ali, Muhammad Ashfaq and Azhar uddin Bahtti. The role of Physio-Morphic Characters of eggplant (*Solanum Melongena* L.) and its correlation with the Jassid (*Amrasca Biguttula Biguttula* (Ishida) population variation. 2nd International conference on horticultural sciences, Institute of Horticultural sciences, University of Agriculture Faisalabad (18-20, February 2016)pp 31.
- Dr. Zill-e-Huma, Assistant Professor
5th International/10th National conference of Pakistan Phytopathological Society “Crop Protection for Sustainable Agriculture” November 23-25, 2015. Institute of Agricultural Sciences University of the Punjab, Lahore, Pakistan.
- Dr. Hafiz Azhar Ali, Assistant Professor
 - Three-day “International Conference of Pakistan Phytopathological Society “Crop Protection for Sustainable Agriculture” November 23-25, 2015 at Institute of Agricultural Sciences, University of the Punjab, Lahore
- Dr. Sobiya Shafique, Assistant Professor
 - Attended and Presented, 5th International and 10th National conference of Pakistan Phytopathological Society on Crop protection for sustainable agriculture. 23-25 November, 2015, Institute of Agricultural Sciences, Lahore, Pakistan.
- Dr. Muhammad Shafiq, Assistant Professor
 - Poster presentation at 6th ASM Conference on Beneficial Microbes, Seattle, Washington, September 9–12, 2016. Presentation On "Assessment of potential trade-off in virus infected plant against drought stress in tomato
 - Oral Presentation at the 2nd international conference on Horticultural Sciences February 18-20 2016 at University of Agriculture Faisalabad



- Dr. Zaheer Hussain, Assistant Professor
 - Zaheer Hussain¹, Muhammad Saleem Haider¹ and Zafar Ul Ehasan Qureshi ², “Factors which sharpens the killer bites of rabies in Pakistan” Accepted in “Rabies in the Americas (RITA) 26th International Meeting”, October 4-8, 2015 in Fort Collins, Colorado, USA.
 - Dr Zafar Ul Ahasan Qureshi, *Dr. Zaheer Hussain “*Diagnosis of viral Diseases*” Presented in NIAB, Faisalabad (September 20-22, 2016).
- Dr. Sajid Ali, Assistant Professor
 - Sajid Ali, B. Honermeier, A. Fatima, H. A. A. Khan and M. Anees. 2015. Post emergence application of herbicides alters the chlorophyll contents in artichoke (*Cynara cardunculus* L.). In Abstracts, International Plant Protection Conference, Berlin, Germany. August 23-27.
 - Hafiz Azhar Ali Khan, T. Khan and S. Ali. 2015. Persistence and toxicity of spinosad on wheat and rice grains against *Rhyzopertha dominica* and *Tribolium castaneum*. In Abstracts, International Plant Protection Conference, Berlin, Germany. 23-27 Aug. 2015.
 - Moazzam Anees, M. Tayyab, M. Afzal, A. B. M. Raza, M. S. Haider, S. Ali, H. A. A. Khan and M. Shafiq. 2015. Efficacy of different insecticides against the Asian citrus psyllid (*Diaphorina citri*) at its peak populated months in kinnow. In Abstracts, International Conference on Crop protection for sustainable agriculture. Institute of Agricultural Sciences, Univ. of the Punjab, Lahore, Pakistan. pp 180. November 23-25.
 - Abid Ilyas Dar, M. Ahmad, J. Khan and S. Ali. 2015. Boron application improves the performance of fine grains rice cultivar. In Abstracts, International conference on soil sustainability for food security, Univ. Agri. Faisalabad, Pakistan. November 15-17.
- Mr. Nadeem Shad, Lecturer
 - Attended and presented poster titled “Screening of mash bean (*Vigna mungo*) gemplasm for identification of resitant sources against mungbean yellow mosaic begomovirus (MYMV) under diverse environmental conditions’ in 5th International/ 10th National Conference of Pakistan Phytopathological Society; held from 23-25 November 2015 at Institute of Agricultural sciences (IAGS); University of the Punjab, Lahore.
- **Mr. Adnan Zahid, Lecturer**
 - Oral presentation on “Yield potential and stability indices as techniques to assess wheat genotypes under drought. At 3rd International Conference on Sustainable environment and Agriculture (ICSEA, 2015) October 11-12, 2015, New York, United States of America
- Mr. Muhammad Tariq Manzoor, Lecturer
 - Attended & Presented in American Phytopathological Society Conference, held in Pasadena, California, CA, USA, from 8th-9th October, 2015.



- Mr. Waheed Anwar, Research Officer
 - W. Anwar, H. Mushtaq, M. Haider, A. Shahid, U. Hameed, M. Ur-Rehman. (2016). Infection duration of entomopathogenic fungi *Aspergillus* spp. and *Fusarium* spp. against *Bemisia tabaci*. Poster presentation in APS annual meeting held in Tampa, Florida, USA.
 - Nawaz K., Shahid A.A., Subhani M.N. and Anwar W. (2015). Isolation and Molecular Characterization of *Pythium spinosum* causing root rot of Chilli (*Capsicum annuum* L.) in Pakistan. Poster presentation in 5th international/ 10th national conference of Pakistan Phytopathological Society “Crop protection for Sustainable Agriculture” held at 20-23 November, 2015 in Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan.
- **Research Journals**
 - Dr. M. Saleem Haider, Professor & Director
 - 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).
- Iqbal, M.J., Hussain, W., Zia-ur-Rehman, M., Hameed, U. and Haider, M.S. (2015). First report of chilli leaf curl virus and associated alpha- and beta-satellite DNAs infecting nettle weed (*Urtica dioica* L.) in Pakistan. *Plant Disease* (accepted and published online on 17 Nov. 2015) (Impact Factor 3.02)
- Bibi, A., Shafiq, S., Arif, S. Tanveer, A., Manzoor, M.T. and Haider, M.S. (2015). 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).
- Ali, M., Ali, Q., Anwer, S., Khalid, H., Ahmad, A., Ali, A., Shafiq, S., Haider, M.S., Nasir, I.A. and Husnain, T. (2015). Estimation of correlation among various morphological traits of *Coronopus didymus*, *Euphorbia helioscopia*, *Cyperus difformis* and *Aristida abscensionis*. *New York Science Journal*, 8(4): 47-52.
- Khalid, H., Ali, Q., Anwer, S., Ali, M., Ahmad, A., Ali, A., Shafiq, S., Haider, M.S., Nasir, I.A. and Husnain, T. (2015). Biodiversity and correlation studies among various traits of *Digeria arvensis*, *Cyperus rotundus*, *Digitaria adscendense* and *Sorghum halepense*. *New York Science Journal*, 8(4): 37-42.
- Anwer, S., Ali, Q., Ali, M., Khalid, H., Ahmad, A., Ali, A., Shafiq, S., Haider, M.S., Nasir, I.A. and Husnain, T. (2015). Assessment of association among various morphological traits of *Euphorbia granulate*, *Euphorbia hirta*, *Fumaria indica* and *Parthenium hysterophorus*. *Nature and Science*, 13(5): 47-51.



- Ashfaq, M., Shaukat, M.S., Akhter, M., Haider, M.S., Mubashar, U. and Hussain, S.B. (2015). Comparison of fungal diversity of local and exotic rice (*Oryza sativa* L.) germplasm for their seed health. *The Journal of Animal and Plant Sciences*, 25(5): 1349-1357. (Impact Factor: 0.48)
- Ashfaq, M., Haider, M.S., Saleem, I., Ali, M., Ali, A. and Chohan, S.A. (2015). Basmati–Rice a Class Apart (A review). *J. Rice Res.* 3(4): 1-8.
- Ali, A., Akhtar, N., Bashir, U., Hafeez, R. and Haider, M.S. (2015). Morphological and biochemical characterization of bacteria isolated from milk products. *Biologia (Pakistan)*, 61(2): 271-277.
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- Muhammad Shafiq, Saima arif, Ayesha BiBi, Muhammad Ali, Muhammad Saleem Haider, Muhammad Ashfaq, Shahbaz Ahmad, Muhammad Tariq Manzoor, Muhammad Shahzad, Asma Tanveer and Aleem 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” category)
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 - Miss Ruqeyah Abdul Majeed., Dr. Ahmad Ali Shahid, Mr. Muhammad Zafar Saleem, Mr. Muhammad Asif, Mr. Adnan Zahid, Dr. Muhammad Saleem Haider”(2016) First Report of *Curvularia tuberculata* Causing Brown Leaf Spot of Rice in Punjab, Pakistan, *Journal of Plant disease*, Vol.100. (Impact Factor 3.20)
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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”.
 - Arshad Javaid. Management of parthenium weed by exploiting allelopathic potential of *Chenopodium* spp.
 - 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/-)



- Shazia Shafique. Principal Investigator in one year (2015) project entitled “Protein profile of tomato induced by pathogenic and non-pathogenic fungal species” Grant Rs.150, 000/-)
- Muhammad Bilal Chattha. Completed a research project as Principal Investigator, entitled “Evaluation of sugar industry by-products as nutrient supplement for sugarcane (*Saccharum officinarum* L.) worth PKR.0.15 million during 2015-16 funded by University of the Punjab, Lahore.
- Muhammad Bilal Chattha. Completed a research project as Principal Investigator, entitled “Evaluation of Different Irrigation Schedule and Nitrogen Fertigation Levels for Improving Water Use Efficiency under Various Crops.” worth PKR.3.048 million during 2014-16 funded by Water Management Training and Research Institute, Punjab, Lahore.
- Dr. Shahbaz Ahmad. Awareness of Dengue through seminars workshops and Road shows under the theme Social Integration Outreach Program” by the joint program University of the Punjab and Higher Education Commission of Pakistan, 2015-16.
- Dr. Shahbaz Ahmad. Sustainable Management of Khapra beetle *Trogoderma granarium* by using different control methods. Institute of Agricultural Sciences (IAGS) University of the Punjab, Lahore 2015-16.
- Dr. Shahbaz Ahmad. GIS- based monitoring heavy Metals contents in Soils of Selected areas of Lahore, Institute of Agricultural Sciences (IAGS) University of the Punjab, Lahore 2015-16.
- Dr. Sobiya Shafique. Principal Investigator in one year (2016) project entitled “Screening of native PGPR strain capable to biocontrol white rot of *Pisum sativum*” Grant Rs.150, 000/-)
- Dr. Sobiya Shafique. Principal Investigator in one year (2015) project entitled “Determination of biochemical interactions in tomato caused by pathogenic and biocontrol infections of microbes” Grant Rs.150, 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 information about 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. Rukhsana Kausar (Co-PI)	Psychological and Neurological Functioning of Elderly: A Comparison of Punjab and Gilgit Baltistan (continued).	Three Years	HEC	6.5 million
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
3.	Prof. Dr. Farah Malik	Validation and Norms Development of Indigenous Childhood Abuse Scale for Adolescents	One Year	Punjab University	2,50,000/-
4.	Dr. Naumana Amjad Associate Professor	Frequency of Aggressive Acts, Reflection, Self-Censure of Private Self-Consciousness—An Examination of Real Life Aggressive Episodes	One Year	Punjab University	2,00,000/-
5.	Dr. Rafia Rafique Associate Professor	Effect of Distress on Well-being in People with Acquired Facial Disfigurement: The Moderating Role of Social Support	One Year	Punjab University	1,95,000/-
6.	Dr. Shazia Khalid Assistant Professor	Organization Cynicism, Work Related Quality of Life, Organizational Commitment and Turn-over Intention in Non-Academic Staff of Public Institution	One Year	Punjab University	1,50,000/-
7.	Dr. Iram Fatima Assistant Professor	Psychometric Properties of Teenage Non-violence Test	One Year	Punjab University	1,50,000/-
8.	Dr. Fatima Kamran Assistant Professor	Life Orientation and Quality of Life after Renal Transplantation	One Year	Punjab University	1,50,000/-



9.	Ms. Afsheen Masood Assistant Professor	Neurobehavioral Problems, Coping Strategies and Family Functioning of Children with Epilepsy	One Year	Punjab University	1,50,000/-
10.	Dr. Saima Ghazal Assistant Professor	Predicting Decision Making Skill in Educated Samples in Pakistan	One Year	Punjab University	1,50,000/-
11.	Ms. Tahira Mubashir Lecturer	Development and Evaluation of Interventions to Promote Occupational Health and Wellbeing	One Year	Punjab University	1,25,000/-
12.	Ms. Shahnaila Tariq Lecturer	Pre and Post Retirement Transitions	One Year	Punjab University	1,25,000/-

○ **Project: Newly Launched**

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/-

○ **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)

- Prof. Dr. Rukhsana Kausar
- Mariam Bibi, Nida Zafar and Rukhsana Kausar. Perceived authentic leadership practices, organizational climate and team innovativeness in employees of multinational companies. Oral presentation in the 1st International Conference “Advancing Women Issues: Local & Global Directions” 12th December 2015 at Marriott, Islamabad.
- Rabia Nisar, Nida Zafar and Rukhsana Kausar. Perceived parental and peer rejection, goal directed thinking and perception of meaningful life in late adolescents. Oral presentation in the 1st International Conference “Advancing Women Issues: Local & Global Directions” 12th December 2015 at Marriott, Islamabad.
- Rukhsana Kausar & Amna Liaqat. “Resilience, Cognitive Appraisal, Posttraumatic Growth and Quality of Interpersonal Relationships among Flood Affected Adolescent”, ORAL presentation in the 1st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
- Kousar Azam, Saira Batool and Rukhsana Kausar, “Work Family Conflict, Emotional Exhaustion and Workplace Wellbeing in Females” ORAL presentation in the 1st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).



- Nida Zafar and Rukhsana Kausar, “Post-divorce Adjustment in Relation to Socioeconomic Status in Pakistani Women: Moderating Role of Social Support” ORAL presentation in the 1st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
- Nazia Bashir, Rukhsana Kausar and Nashi Khan, “Children and Disaster Teaching Recovery Techniques as a Preventive Measure to Deal posttraumatic Stress Disorder” ORAL presentation in the 1st International Conference on Current Trends in Psychology (ICCTP)-2016) held on 31st March, 2016 at Department of Applied psychology, Bahauddin Zakariya University, Multan (organized by Pakistan Psychological Association (PPA) and Department of Applied Psychology, BZU, Multan).
- Rukhsana Kausar, Ayesha Ali and Anum Javed, “Child Abuse, Emotional and Behavioral Problems in Domestic Child Workers” ORAL presentation in the 11th International Conference on Child and Adolescent Psychology (ICCAP-2016) held on 18-20th July, 2016 at University of Roehampton, London.
- Prof. Dr. Farah Malik
 - October 24-29, 2015: Member Review Committee, 3 papers and one poster accepted for International Asian Pacific Regional Conference, Kuala Lumpur, Malaysia.
 - December 10-11, 2015: Member Scientific Review Committee; 2 Session Chairs, 1st International Conference of Shaheed Benazir Bhutto University, Peshawar in Collaboration with Southern Methodist University, USA.
 - April 28th, 2016: “Keynote Speaker” in the inaugural session of the National Conference on Mental Health (NCMH-2016): Latest Research Trends in Pakistan at Department of Applied Psychology GC University Faisalabad to be held on 28th April 2016.
 - Invited “Keynote speaker” papers entitled “Development of Terrorism Impact Scale (TIS): Validation and Standardization” and “Development and Validation of Resilience against Terrorism Scale (RATS)” in 15th Annual Conference of Psychology on “Psychological Impact of Regional Geo-Strategic Situation on Pakistani Youth & Children” organized by Department of Psychology University of Peshawar to be held on August 26-27, 2016 at the Summer Campus Bara Gali, Abbottabad.
 - Plenary Session Chair, 6th International CBT Conference” Evidence based approaches to Mental Health Care, Pakistan Association of Cognitive Behavioral Therapy in collaboration with Services Institute of Medical Sciences Hospital, Lahore, February 19-20, 2016.
 - March 4-6, 2016: 2 paper accepted entitled “Majeed & Malik (2016). Translation and adaptation of state-trait anger expression inventory-2 children and adolescents into Urdu” and “Malik & Ridul Wafa (2016). Self-transcendence, sense of Coherence and perceived health in patients with Coronary Heart Angioplasty for the 9th SAARC International Psychiatric Conference, Islamabad, Pakistan.



- March 31, 2016: Scientific Chair, and Session Chair in PPA-BZU, Multan One day International conference and also presented 3 research papers.
 - June 7-10, 2016: Invited to Organize and Chair a Symposium on ISIPARTheory Research in Pakistan”, in 6th International Congress of Interpersonal Acceptance-Rejection Society, USA to be held in Madrid, Spain. 17 papers are accepted for it.
 - Member Scientific Review Committee; 3 papers accepted for 11th International Conference on Child and Adolescent Psychopathology (ICCAP 2016) 18-20 July 2016, at Roehampton University, London.
- Dr. Rafia Rafique
- Organized and presented at the 13th Muslim Psychology Conference, by the Society for the Advancement of Muslim Psychology at Fountain House, Lahore. 27th November, 2015. Narcissistic Tendencies, Forgiveness, Empathy and Social Connectedness as Predictors of Subjective Well Being among University Students.
 - Presented at the 1st International Conference of Psychology: Advancing Women Issues: local and Global Directions, Marriot, Islamabad. December 12, 2015. Social Physique Anxiety, Self-esteem and Disturbed Eating Attitudes among adolescent girls.
 - Workshop conducted for the parents of students at Gung Mahal School, Lahore on “How to assist children with disability and special educational needs” January 5th & 6th, 2016.
 - Presented paper “Efficacy of CBT in managing behavioral Problems of Slow learner Children” at the 6th International CBT Conference & 10TH International Psychiatric Conference of Services Institute of Medical Sciences Lahore on 20th February, 2016. In Collaboration with: Pakistan Association of Cognitive Therapist, Department of Psychiatry & Behavioral Sciences, Services Hospital Lahore. Pakistan Psychiatric Research Centre.
 - Presented paper “Self-Esteem as a Mediator between Parental Attachment and Academic Achievement in Pakistani Students” at the University of Lahore at the International Conference on Education and Social Sciences from the Perspective of Developing Countries 26th -28th February 2016.
 - Presented paper “Empathy, Styles of Humor and Social Competence in University Students” at the International Conference on Innovation in Teaching and Learning (ICITL), 25th to 26th April, 2016 at Islamabad.
 - Presented paper “Efficacy of Surah Al Rehman in Managing Depression: An Experimental Study” and Organized the Conference of Islamic Tradition in Psychology, 5th March, 2016 Lahore School of Management, University of Lahore.
 - Presented paper “Self in the Darkness seem to Me no Realer than a Dream: Experiences of Living with Alopecia Universalis” at the Appearance Matters 7, Organization: Centre for Appearance Research, University of the West of England from 28–30 June 2016 at Royal College of Surgeons of England, London, United Kingdom.



- Presented paper “Terrorism and its Psychological impact on Directly and Indirectly Exposed Population” at 15th Annual Conference of Psychology at Summer Campus Bara Gali (August 25-28, 2016) on Psychological Impacts of Regional Geo-strategic Situation on Pakistani Youth and Children by Department of Psychology, university of Peshawar, KPK.
- Dr. Iram Fatima
 - Research Paper on “ Personal belief in a just world, self–compassion and Quality of life in individuals with amputation using and not using prosthesis One day conference on Islamic traditions in Psychology. Lahore School of management, 5th March 2016.
 - Research paper on “Emotion self-disclosure and fear of intimacy in newly married women”. 1st International conference (ICCTP-2016). Bahauddin Zakariya University Multan, 31st March, 2016.
- Ms. Omama Tariq
 - Attended Diabetes UK Professional conference on 2-4 March, 2016 at Glasgow, Scotland, organized by Diabetes UK.
 - Attended a one day workshop on understanding resilience & putting it into practice for anyone supporting children, young people and families by Dr. Claire Stubbs on 15th April 2016, Flamer, Brighton, UK.
- 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.
- Ms. Afifa Anjum
 - Presented at the 1st International Conference of Psychology: Advancing Women Issues: local and Global Directions, Marriot, Islamabad, December 12, 2015.
 - Paper presented at first International Conference on Education and Social Sciences (ICESS-2016) from the perspective of developing countries, The University of Lahore, Pakistan, 26-28 February, 2016.
 - Paper presented on “translation and validation of Values in Action Inventory of Strengths (VIA-IS) in a Muslim Pakistani Culture” in one day conference on Islamic tradition in Psychology by Muslim Psychological Society and Lahore School of Management, Lahore, March 5 2016.
 - Paper presented on “Character strengths and wellbeing: a discriminant function analysis of clinical and community samples” in 8th European Congress on Positive Psychology, France, 29 June -2nd July, 2016.



▪ Mr. Faiz Younas

- Munir, M., & Younas, F. Delay of Gratification in Early Childhood. Presented at 7th Post Graduate Students Conference 2016 on Research in Education at Institute of Education and Research, University of the Punjab, Lahore, 24th March, 2016.
- Participated in Seminar on World Quality Day organized by University of the Punjab and Virtual University of Pakistan, at University of the Punjab, Lahore, 5th April, 2016.

▪ Ms. Shahnaila Tariq

Presented paper entitled “Development of Deviant Behaviour Scale” in 15th Annual Conference of Psychology on “Psychological Impact of Regional Geo-Strategic Situation on Pakistani Youth & Children” organized by Department of Psychology University of Peshawar to be held on August 26-27, 2016 at the Summer Campus Bara Gali, Abbottabad.

○ **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	Prof. Dr. Farah Malik & Khawar R,	Bullying Behavior of Pakistani Pre-adolescents: Findings Based on Olweus Questionnaire, Pakistan Journal of Psychological Research 2016, Vol. 31, No.1, 23-43.
2	Prof. Dr. Farah Malik & Majeed S,	Phenomenology of Anger Expression in Children within Pakistani Cultural Context, Health Science Journal, ISSN1791-809X, Vol.10 No.2:11.
3	Prof. Dr. Farah Malik, Ashiq S. & Majeed S.	Psychological Predictors of Cyber Bullying in Early Adulthood, Health Science Journal, ISSN 1791-809X, Vol.10 No.3:4.
4	Prof. Dr. Rukhsana Kausar, Asad, S. & Saeed, S.	Level of Frustration Tolerance and Coping Strategies used by Women with Conversion Disorder Vs those with General Medical Conditions. Journal of Pakistan Psychiatric Society, Vol. 13(2), 35-38, (X Category).
5	Prof. Dr. Rukhsana Kausar & Yosuf, M.	Self-Care, Coping Strategies and Quality of Life of Individuals with Diabetes. Journal of Behavioral Science, Vol.26(1),17-31, (X Category).
6	Prof. Dr. Rukhsana Kausar, Yosuf, I., & Zafar, N.	Perceived Inter-Parental Conflict, Emotional Security and Self-Discipline in Adolescents. Journal of Behavioral Science, Vol. 26(1), 98-112, (X Category).
7	Dr. Naumana Amjad & Hania, A.	Implicit Relationship Beliefs and Conflict Resolution Styles as Predictors of Marital Satisfaction. Journal of the Indian Academy of Applied Psychology, Vol. 42(2).



8	Dr. Naumana Amjad, Dr. Rafia Rafique & Ms. Mahira Ahmed	Efficacy of Cognitive Behavior Therapy in Managing Behavioural Problems of Slow Learner. Pakistan Journal of Clinical Psychology, Vol.15.
9	Dr. Naumana Amjad, Rafique,R., Amer, L., & Afzal, S.	Evidence Based Psychosocial and Behavioral Model for Primary and Secondary Prevention of Ischemic Heart Disease for Pakistani Population. The Journal of Cardiovascular Diseases. Vol. 12(3).
10	Dr. Rafia Rafique & Ms. Samreen Arshad	Personality and Creativity as Predictors of Psychological Well-being in College Students. Pakistan Journal of Psychological Research, 2016, Vol. 31, No. 1, 139-160.
11	Dr. Rafia Rafique, Ahmad, M., Amjad, N., & Anjum, A.	Efficacy of Cognitive Behavior Therapy in Managing Behavioural Problems of Slow Learner Children. Pakistan Journal of Clinical Psychology. Vol. 15.
12	Dr. Rafia Rafique & Mumtaz, W.	Low levels of Functional Impairment and Religious Gratitude as Predictors of Life Satisfaction in Older Adults. Pakistan Journal of Clinical Psychology. Vol. 15.
13	Dr. Rafia Rafique, Ammara Alam, & Afifa Anjum	Narcissistic Tendencies, Forgiveness and Empathy as Predictors of Social Connectedness in Students from Universities of Lahore. The Dialogue, Vol. XI, Number 2.
14	Dr. Rafia Rafique, Amjad, N., Amer, L., & Afzal, S.	Evidence Based Psychosocial and Behavioral Model for Primary and Secondary Prevention of Ischemic Heart Disease for Pakistani Population. The Journal of Cardiovascular Diseases. Vol. 12(3).
15	Dr. Rafia Rafique & Anjum, A.	The Additive Effects of Type 2 Diabetes Mellitus on Neuropsychological Functioning of Patients Diagnosed with Myocardial Infarction. Journal of Behavioral Sciences. Vol. 26(2).
16	Dr. Iram Fatima & Nadia Arif	Marital satisfaction in different types of marriages. Pakistan Journal of Social and Clinical Psychology (Y-Category), Vol.No.13. Page 36-40.
17	Dr. Iram Fatima & Shazia Khalid	Conflict types and conflict management styles in private and public hospitals. Pakistan Armed Forces Medical Journal. (Y-Category), Vol. No. 66. Page No. 122–126.
18	Dr. Iram Fatima & Farhat-ul-Ain	Personal belief in a just world and self-compassion as predictors of body appreciation in individuals with amputation using and not using prosthesis. Annals of King Edward Medical University. (Y-Category), Vol. No. 22. Page No. 109 –114.



19	Dr. Iram Fatima, Shazia Khalid & Wahida Khan	Types of conflicts in doctors in private and public sector hospitals. Annals of King Edward Medical University. (Y-Category), Vol. No. 22. Page No. 139 –143.
20	Dr. Iram Fatima & Gul-E-Sehar	Dark triad personality traits as predictors of bullying and victimization in adolescents. Journal of Behavioural Sciences. (X-Category), Vol. No. 26. Page No. 51-65.
21	Dr. Saima Ghazal, Garcia-Retamero, R., Cokely, E.T. & Joeris, A.	Measuring Graph Literacy without a Test: A Brief Subjective Assessment”. In Medical decision making: an international journal of the Society for Medical Decision Making, 36(7). Impact Factor = 3.24.
22	Dr. Saima Ghazal	Personality and transformational leadership: A review. In Business Review. (X-Category) Vol. 11, No. 1.
23	Dr. Saima Ghazal	Use of critical Decision Method (CDM) in health settings: A review. In Journal of Pakistan Psychiatric Society. (Y-Category): Vol. 14, No.1.
24	Dr. Mujeeba Ashraf & Aisha Sitwat	Personality Dimensions, Positive Emotions and Coping Strategies in the Caregivers of People Living with HIV in Lahore, Pakistan. International Journal of Nursing Practice 2016; 22: 364-374. Impact Factor = 0.98.
25	Ms. Afifa Anjum & Rafique, R., Ahmad, M., & Amjad, N.,	Efficacy of Cognitive Behavior Therapy in Managing Behavioural Problems of Slow Learner Children. Pakistan Journal of Clinical Psychology. Vol. 15.
26	Ms. Afifa Anjum, Rafique, R., & Ammara Alam.	Narcissistic Tendencies, Forgiveness and Empathy as Predictors of Social Connectedness in Students from Universities of Lahore. The Dialogue, Vol. XI, Number 2.
27	Ms. Afifa Anjum & Rafique, R.	The Additive Effects of Type 2 Diabetes Mellitus on Neuropsychological Functioning of Patients Diagnosed with Myocardial Infarction. Journal of Behavioral Sciences. Vol. 26(2).

○ **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-Principal Investigator), 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 Project on “Emotion recognition and regulation in drug addicts” with Prof. Glyn Humphreys, Oxford University, UK.
- Prof. Dr. Farah Malik International Project on “Fear of Intimacy” in collaboration with Rohner Centre for Interpersonal Acceptance-Rejection, UCONN, USA.

○ **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 2015-16 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.

○ **Projects: Completed**

Name of researcher/ sponsoring agency	Title of research project with duration	Financial support
Dr. Amtul Jamil Sami HEC	Insight of Placental Lactogen and Related placental Peptides for Biological Activity in Farm Ruminants (2013-16 in progress)	Rs. 2.9 Million
Dr. Amtul Jamil Sami HEC	Invasive burden of Disease caused by Streptococcus pneumoniae (in progress)	Rs. 1.9 Million
Dr. Amtul Jamil Sami University of the Punjab	"Preparation of Bio Membranes From Insect Chitosan And Its Evaluation for Anti Microbial Activity"	Rs. 0.25 Million
Dr. Saima Sadaf University of the Punjab	"Promoter associated CpG island methylation analysis of RASSFLA and transgelin as diagnostic/prognostic biomarkers for breast cancer"	Rs. 0.15 Million
Dr. Mahjabeen Saleem University of the Punjab	"Isolation and characterization of invertase from dates (Phoenix dactylifera L.". .	Rs. 0.15 Million
Dr. Zahoor Qadir Samra, University of the Punjab	"Design and evaluation of CDK4 inhibitor as potential anticancer agents"	Rs. 0.15 Million
Dr. Saba Irshad University of the Punjab	"Xmnl polymorphism and Severity of Disease in Patients with B-Thalassemia in Lahore Region"	Rs. 0.15 Million
Dr. Moazzam Ali University of the Punjab	"Endocytic ability of Multidrug resistant cancer cells"	Rs. 0.15 Million
Dr. Muhammad Imtiaz Shafiq University of the Punjab	"Design and evaluation of CDK4 inhibitor as potential anticancer agents"	Rs. 0.15 Million
Dr. Zeeshan Muthair University of the Punjab	"Down Regulation of MTHI enzyme in Cancer Cell Lines as Anti-Cancer Target"	Rs. 0.15 Million



Dr. Muhammad Khurshid University of the Punjab	“Characterization of microbial population from the roots of desert plant”	Rs. 0.15 Million
Dr. Muhammad Khurshid University of the Punjab	“identification and molecular characterization of or A47 interacting proteins to understand jasmine acid biosynthesis in arabidopsis thaliana”	Rs. 0.50 Million
Mr. M. Shahbaz Aslam University of the Punjab	“Expression and Purification of Fusion Protein Comprising Azu-P28 and Ta 1 for Targeted Cancer Therapy”	Rs. 0.125 Million
Ms. Iram Gull University of the Punjab	“DNA based Identification of Azadiracta indica”	Rs. 0.15 Million
Ms Beenish Maqsood University of the Punjab	“Selection of optimal parameters for the efficient production of an industrially important enzyme from mutant bacterial strain”	Rs. 0.125 Million

○ **Publications**

Name of Faculty Member	Title of Research Paper (Review Article)	Name of Publishing Journal	Vol.	Impact Factor (IF)
Asima Ayyuba, Mahjabeen Saleema, Iram Fatimab, Asma Tariqb, Naghma Hashmic, Syed Ghulam Musharraf.	Glycosylated Alpha-1-acid glycoprotein 1 as a potential lung cancerserum biomarker. The International	Journal of Biochemistry & Cell Biology	70 68–75	4.340
S. N. Mohsin, F. Ghafoor, Mahjabeen Sleem, R. Ghous and M. A. Asim.	Seroprevalence of asymptomatic dengue infection in children in Lahore.	<i>Epidemiology and infection</i> , 2016	144 (11) 2276–2282	2.075
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
Zeeshan, R. and Z. Mutahir	Cancer metastasis - tricks of the trade.	Bosn J Basic Med Sci	(3): 172–182.	0.906
Iqbal, I and Khurshid, M.	Immunocapture PCR detection of ToLCNDV from plant extract by using TYLCV-CP antisera	. Pakistan Journal of Zoology	49 (3): 1125–1131.	0.45



Zafar Iqbal and Muhammad Khurshid.	Immunocapture PCR detection of ToLCNDV from plant extract by using TYLCV-CP antisera.	Pakistan J. Zool,	49(3), 1025-1031.	
M. Shahbaz Aslam Abeera Shaeer, Zaigham Abbas, Aftab Ahmed, Iram Gull, Muhammad Amin Athar	Cell Free DNA Quantification and Methylation Status of DCC gene as Predictive Diagnostic Biomarkers of Lung Cancer in Patients Reported at Gulab Devi Chest Hospital, Lahore.	<i>Technology in Cancer Research and Treatment</i>	10	2.185
Madiha Hashmi ¹ , Abid Hussain ¹ , Shafiq Ur Rehman ¹ , Farida Ahmed ² , Shahbaz Aslam ³ , Nadeem Afzal ⁴ and Zaigham Abbas ¹ .	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), pp 1563-1569,	0.48
M. Shahbaz Aslam Hanif, Iram Gull, M. Amin Athar and Zaigham Abbas	Purification of Laccase from <i>Aspergillus flavus</i> and its Evaluation for Paper Pulp Delignification Potential.	<i>Journal of Animal and Plant Sciences</i>	26	0.659
M. Shahbaz Aslam Iram Gull, Attia Javed, Roohi Mushtaq, and Muhammad Amin Athar.	Use of <i>Moringa oleifera</i> flower pod extract as natural preservative and development of SCAR marker for its DNA based identification	BioMed Research International	18	2.134
Muhammad Shahbaz Aslam, Sehar Yousaf, Abid Hussain, Shafiq Ur Rehman, Zaigham Abbas	Hypoglycemic and Hypolipidemic effects of <i>Lactobacillus fermentum</i> , fruit extracts of <i>Syzygium cumini</i> and <i>Momordica charantia</i> on Diabetes Induced Mice.	<i>Pakistan Journal of Pharmaceutical Sciences,</i>	29	0.682
M. Shahbaz Aslam Hanif, Iram Gull, M. Amin Athar and Zaigham Abbas	Purification of Laccase from <i>Aspergillus flavus</i> and its Evaluation for Paper Pulp Delignification Potential.	<i>Journal of Animal and Plant Sciences</i>	26	0.659



M. Shahbaz Aslam Iram Gull, Attia Javed, Roohi Mushtaq, and Muhammad Amin Athar.	Use of <i>Moringa oleifera</i> flower pod extract as natural preservative and development of SCAR marker for its DNA based identification	BioMed Research International	18	2.134
Muhammad Shahbaz Aslam, Sehar Yousaf, Abid Hussain, Shafiq Ur Rehman, Zaigham Abbas	Hypoglycemic and Hypolipidemic effects of <i>Lactobacillus fermentum</i> , fruit extracts of <i>Syzygium cumini</i> and <i>Momordica charantia</i> on Diabetes Induced Mice.	<i>Pakistan Journal of Pharmaceutical Sciences</i> ,	29	0.682

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: An Overview

The School of Biological Sciences, now in the 13th 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
1.	Dr. Sadaf Naz USA, and Koshish Foundation	Genetics of dwarfism and skeletal dysplasia. 2014-16	21,000 \$
2.	Dr. Sadaf Naz Higher Education Commission	Genetic analysis of disease causing genes for glaucoma in Pakistani population. 2015-18	Rs. 3,165,202



○ **Publications:** Books/Edited

- Ghazaleh Gharib, **Naeem Rashid**, Qamar Bashir, Qurra-tul-Ann Afza Gardner, Muhammad Akhtar and Tadayuki Imanaka (2015) Pcal₁₆₉₉, an extremely thermostable malate dehydrogenase from hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Extremophiles*. 20: 57-67. 10.1007/s00792-015-0797-3
- Amina Arif, Qura-tul-Ann Afza Gardner, **Naeem Rashid** & Muhammad Akhtar (2015) Production of human interferon alpha-2b in *Escherichia coli* and removal of N-terminal methionine utilizing archaeal methionine aminopeptidase. *Biologia* 70: 982-987.
- Nasir Ahmad, Sumaira Mehboob and **Naeem Rashid** (2015) Starch-processing enzymes – emphasis on thermostable 4- α -glucanotransferases. *Biologia* 70: 709-725
- Hameed, U., Pan, Y.B. and **Iqbal, J.** 2015. Genetic analysis of resistant gene analogues from a sugarcane cultivar resistant to red rot disease. *Journal of Phytopathology* doi: 10.1111/JPh. 12372.
- Md. Shah Kamal Khan, Saeed M. & **Iqbal J.** 2015. Identification of quantitative trait loci for Na⁺, K⁺ and Ca⁺⁺ accumulation traits in rice grown under saline conditions using F2 mapping population. *Braz. J. of Bot.* ISSN 0100 8404 DOI 10.1007/s40415-015-0160-z or 38 No. (3) 555-565.
- AHMAD, A., AFTAB, S., TOOR, R.H., AND **SHAKOORI, A.R.**, 2015. Cytotoxic and genotoxic effect of arsenic and lead on rat mesenchymal stem cells (rMSCs). *Pakistan J. Zool.*, **47**: 41-47.
- 573. AHMAD, A., ASHRAF, S. AND **SHAKOORI, A.R.**, 2015. Cytotoxic and genotoxic effects of arsenic and lead on primary human breast cancer cell lines. *Pakistan J. Zool.*, **47**: 79-87.
- ALI, S.A., JUSTILIEN, V., BUKHARI, S.Z.H., LEE, J. AND **SHAKOORI, A.R.**, 2015. Role of transcription regulatory complexes and epigenetic modifications in driving the cell fate decisions. *Pakistan J. Zool.*, **47**: 287-293.
- ASGHAR, M.T., AL-GHANIM, K., MAHBOOB, S., SHARIF, M., NAZIR, J., AND **SHAKOORI, A.R.**, 2015. *Sphingomonas* sp. is a novel cell culture contaminant. *J. cell. Biochem.*, DOI:10.1002/jcb.25044. JCB, 116: 934-942.
- AHMAD, A., ASHRAF, S., AL-GHANIM, K., MEHBOOB, S., TOOR, R.H., AND **SHAKOORI, A.R.**, 2015.. Anti-proliferative effects of arsenic, cadmium and lead on rat pups brain cells. *Pakistan J. Zool.*, **47**: 515-522.
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CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Research & Development : An Overview**

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 2015-16, 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 on-going research projects of worth Rs. 1.775 Millions, funded by University of the Punjab in year 2015-16
 - Five research projects of Rs. 2.5 Millions, funded by HEC, by the five IPFP faculty of CAMB during the reporting period
- **Newly launched**

The new projects are in the process of approval
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
 - Attended two days training workshop on “Next Generation Sequencing” at Institute of Agricultural Sciences, University of the Punjab, Lahore on December 04-05, 2015
 - Actively participated (6-faculty members) in two day international “DNA Strategy Symposium” jointly organized by British High Commission of Pakistan, Ireland and Punjab Forensic Science Agency (PFSA) held at Pearl Continental Hotel, Lahore on January 18-19, 2016.
 - CAMB exhibited its products and services in the 5th Inventions to Innovation Summit 2016 held at university of the Punjab Lahore on March 02-03, 2016.
 - CAMB exhibited its products and services through ORIC (university of the Punjab) in the Pak-China Business Forum (PCBF) held at Expo Center Lahore on March 19-22, 2016.
 - CAMB exhibited its products and services through ORIC (university of the Punjab) in the “Trade promotion and industrial Development Conference & Exhibition (TPIDCE-2016)” held at Sheikhpura Chamber of Commerce and Industry on April 29, 2016.
 - Attended a workshop on “Establishing & Leading a Research Group” held at COMSATS Lahore on May 02-03, 2016.
 - CAMB actively participated in a seminar on “Strategic Export Control Division (SECDIV)” at Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore on 26-07-16.
 - CAMB’s DNA expert delivered a lecture (as an invited 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. The seminar was chaired by Honourable Mr. Justice Amir Hani Muslim (Honorable judge of Supreme Court of Pakistan).
- **Research Journals**

Sr. No.	Name of Author	Title of Paper/Article	Name of Journal	Year	Impact Factor	HEC Recognize
1.	Zafar Iqbal, Afia Muhammad Akram, Tanveer Akhtar, Muhammad Khalid, Zeba Aziz, Aamer	High Frequencies of Compound BCR-ABL Mutations and Their Association with Imatinib Resistant,	Blood	2015	13.164	✓



	Aleem, Ammara T Gill, Ahmad M Khalid, Abdullah Alanazi, Ijaz H Shah, Muhammad Khalid, M. Farooq Sabar & Mudassar Iqbal	Disease Progression and Late Chronic Phase Disease in Pakistani Chronic Myeloid Leukemia Patients Necessitate the Inclusion of Molecular Testing in Routine Clinical Settings.				
2.	Iqbal Z, Akram AM, Akhtar T, Aleem A, Sabar MF, Aziz Z, Sajid N, Rasool M, Asif M, Qazi MH, Oraibi S.	Brief Research Report: Novel Compound BCR-ABL Mutations in Late Chronic Phase Imatinib Sensitive CML Patients Are Associated with Progression to Advance Disease Phase.	Blood	2015	13.164	✓
3.	H. Sadia, S. Manzoor, A. Wajid, M. Tayyab, S. Firyal, A.S. Hashmi, T. Yaqub, A.K, Mehmood, A.R. Mahmood, M.Y. Khan and M. Wasim	COX-2 and BRCA1 have altered expression profile in different canine tumors	Journal of Animal & Plant Sciences	2016	0.381	✓
4.	M. Farooq Sabar, M. Usman Ghani, Mariam Shahid, Aleena Sumrin, Amjad Ali, Muhammad Akram, Muhammad Akram Tariq & Iqbal Bano	Genetic variants of ADAM33 are associated with asthma susceptibility in the Punjabi population of Pakistan.	Journal of Asthma	2016	1.746	✓
5.	Kausar Malik, Khadija Sabir, Naveera Shabir, Numrah Nisar, M. Hamza Basit, M. Idrees Khan, Hafiza Samra Ambreen, Aleena Sumrin and Haleema Sadia.	Controversies: Stem Cell Research.	Bulletin of Environment, Pharmacology and Life Sciences	2016	---	---
6.	Kausar Malik, Khadija Asif, Ammara Jamil, Anam Arshad, M Hamza Basit, Hafiza Samra Ambreen, Aleena Sumrin, Haleema Sadia and Numrah Nisar.	Role of FAS in Apoptosis.	Bulletin of Environment, Pharmacology and Life Sciences	2016	---	---
7.	M. Adnan Shan, Manzoor Hussain, M. Shafique, M. Shahzad, Rukhsana Parveen and Muhammad Idrees	Genetic distribution of 15 autosomal STR markers in the Punjabi population of Pakistan	International Journal of Legal Medicine	2016	2.382	✓



8.	M Shafique, M. Saqib Shahzad, Ziaur Rehman, M. Adnan Shan, Rukhsana Parveen, M. Shahzad, Manzoor Hussain, Ali Ahmad Shahid and Tayyab Husnain	Development of new PCR multiplex system by the simultaneous detection of 10 miniSTRs, SE33, Penta E, Penta D, and four Y-STRs	International Journal of Legal Medicine	2016	2.382	✓
9.	M Shahzad, M Shafique, Manzoor Hussain, M. Adnan Shan, Rukhsana Parveen, Ziaur Rehman, M. Idrees	Successful DNA profiling for identification of burnt families from their bones using AmpFISTR identifier® Plus Kit	Advancement in Life Sciences	2016	---	✓
10.	Ghulam Zahara Jahangir, G. Z., Madeha Sadiq, Idrees Ahmad Nasir, and M. Iqbal	The effectiveness phosphate solubilizing bacteria as bio-control agents.	The Journal of Animal & Plant Sciences	2016	0.381	✓

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)
- Rs. 8.5 millions from university of the Punjab on account of research projects of 2015-16
- Rs. 2.5 Millions from HEC on account of IPFP research funding.



Faculty of Oriental Learning

DEPARTMENT OF ARABIC

○ Projects: Completed

Name of Researcher	Topic of Research	Sponsoring Agency	Approved Amount	Status
Prof. Dr. Hamid Ashraf Hamdani	الشعر العربي المعاصر في سلطنة عمان (دراسة تحليلية)	P.U.	200000-/-	Completed
Dr. Abdul Majid Nadeem	المباحث اللسانية العربية في شبه القارة من 1857 إلى 1947م	PU	150000-/-	Completed

○ Publications

Authors Name	Article Name	Journal with Date	Sponsoring Agency
Prof. Dr. Khaliq Dad Malik	التغليب البلاغي في القرآن الكريم	The Islamic Culture Dept. of Arabic June: 2016	University of Karachi
“ “	دراسة عروضية إبقاعية لشعر فضل الحق الخير آبادي	Majallah Al-Qism Al-Arabi Vol. 23, 2016	P.U. Lahore
Prof. Dr. Muhammad Qamar Ali	الفقه الإسلامي تطوره وميزاته	Majallah Tahqiq Volum: 36, S.No. 101 Page: 95-108 Octo-Dec 2015	
Dr. Hamid Ashraf Hamdani	مقومات السلم الاجتماعي في الإسلام	Jihat Al-Islam July-Dec, 2015 Vol. 8, No.02, pages 323-338	P.U. Lahore
“ “	موقف بديع الزمان النورسي من النبوة وضرورتها	Al-Ehsan Jan-June, 2016	GCU Faisalabad
“ “	التنمية البشرية في ضوء السيرة النبوية (التنمية القيادية والإدارية نموذجاً)	Seerat Studies Vol. 1, Issue No. 1 January, 2016	AIU Islamabad
“ “	السلم الاجتماعي في ضوء الكتاب والسنة	Al-Qalam Vol. 21, No. 01 Pages 357- 376 Jan-June, 2016	P.U. Lahore



Dr. Haris Mobeen	أحوال نوال السعداوي ومكانتها الأدبية	Pakistan Journal of Islamic Research, Vol: 16, Dec: 2015	B.Z.U. Multan
“ “	The Theory of Awamil and opinion of the legendary grammarians	Al-Qalam Department of Islamic Studies Vol: 20, S:02, Dec 2015	P.U. Lahore
“ “	قصة الإسراء والمعراج في شعر العربي في شبه القارة الهندية الباكستانية	Pakistan Journal of Islamic Research, Vol: 17, June: 2016	B.Z.U. Multan
Dr. Abdul Majid Nadeem	الاشتقاق : أنواعه ومباحثه في دراسات علماء شبه القارة	Oriental College Magazine, Vol. 90, 4 December, 2015	P. U. Lahore
“ “	جهود شاه ولي الله الدهلوي وأولاده في نشر علوم القرآن	“Al-Qalam” Department of Islamic Studies Vol.21,1 June, 2016	P. U. Lahore
“ “	كلمة "برداً" في القرآن الكريم، الدلالة والمنهج عند أبي عبيدة والمفسرين (في القرون الخمسة الأولى)	Al,Adwa, Sheikh Zayed Islamic Centre, Vol. 46,31 June, 2016	P. U. Lahore
Dr. Abdul Qadeer	الدكتور خورشيد الحسن رضوي.. رائد الأدب العربي في باكستان	AL-ADWA Vol: 31 June 2016	P.U. Lahore
“ “	الاستشهاد اللغوي عند برويز في "لغات القرآن" (دراسة نقدية)	Majallah Al-Qism Al-Arabi Vol. 23, 2016	P.U. Lahore
“ “	دائم کی شاعری پر عربی زبان وادب کے اثرات	Khoj, Department of Punjabi, Oriental College, No.76, January- June, 2016	P.U. Lahore

○ **Books**

Authors Name	Book Name	Publisher	No. of Pages	Year of Publication
Prof. Dr. Khaliq Dad Malik	تحقیق وتدوین کا طریقہ کار	Azad Bood Depot. Urdu Bazar, Lahore	456	October , 2015
“ “	اللغة العربية	“ “	152	October , 2015



“ “	الشعر العربي	“ “	296	December , 2015
“ “	الأدب العربي	“ “	152	December , 2015
“ “	النثر القديم	“ “	464	February, 2016
“ “	الأدب العربي	“ “	160	February, 2016
“ “	منهج اللسان العربي	“ “	248	June, 2016
“ “	تحقيق وتدوين كا طريقه كار	“ “	456	August, 2016
“ “	اللغة العربية	“ “	152	August, 2016
“ “	الأدب العربي	“ “	160	August, 2016
Dr. Abdul Majid Nadeem	گلشن ترکی	Rumi Chair, Oriental Colloge, Punjab University, Lahore – Pakistan.	-	2015

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

Conference / Seminar / Workshop	Title & Date	Sponsor	Organizer
Dr. Hamid Ashraf Hamdani	International Conference of Arabic Culture Mutual Impacts April 2016	University of Muhammad Lameen Dabbaghin	University of Muhammad Lameen Dabbaghin Algeria
“ “	International Conference on “Human Thinking in Language and Literature: Mutual Impacts 10-12 May 2016	Jordan University of Science and Technology	Jordan University of Science and Technology, Irbid, Jordan
“ “	National Conference on the topic “Arabic Literature in sub- continent 17 May 2016	National University of Modern Languages	National University of Modern Languages, Islamabad, Pakistan
“ “	International Conference on “The Role of Youth in Reformation of Society (in the light of Seerah Tayyabah)”, Islamabad, Pakistan 18-19 May 2016	National University of Modern Languages	National University of Modern Language Islamabad, Pakistan
Dr. Abdul Qadeer	One Day International Symposium, on: “Role of Islamic and Arabic Studies in the National Oluvil – Sri	Oluvil	Sri Lanka



	Lanka.Development” 30 May, 2016		
“ “	ادب عربي کے اہم موضوعات اور عصر حاضر میں تحقیق اور مطالعہ 01 May 2016	University of Multan	Multan
“ “	المؤتمر الدولي الخامس للغة العربية 4-7 May 2016	Dubai	UAE

○ **Research Journals**

Journal Name	Editor Name	Remarks
Majallah Al Qism Al Arabi, Department of Arabic, PU, Lahore Issue No. 23 / 2016	Prof. Dr. Khaliq Dad Malik	Annual

DEPARTMENT OF HINDI LANGUAGE

The course contents of Certificate and Diploma in Hindi Language has been designed and approved by the statutory bodies. The focus of Hindi Language teaching is divided in speaking, reading, writing and listening proficiencies. The courses include Hindi Grammar, the Indian Culture and oral skills through classroom discussions and internet websites. The department is working hardly to promote Hindi Language. The Number of Students is definitely going to increase as people become aware of the importance of Hindi Language Learning in Pakistan.

Library: A Library of the Hindi Language was established in 2004. Currently it has 1878 new Hindi books including reference books, dictionaries, literature books being supplied from India. 900 old Hindi books, magazines, journals and 5200 old Sanskrit books are also kept in the library of Hindi Department. There is no Librarian in the Department of Hindi for maintaining the Library.

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

○ **Project: Completed**

- Dr. Nusrat Nisar completed a research project Titled 2015-16: Kashmiri Afsanay ka Baba Adam Akhtar Mugi-ud-Din”.
Duration: One Year Funding: University of the Punjab
- Dr. Kh. Zahid Aziz completed a research project 2015-2016 Titled: “An analytical study of Amritsar Treaty”.
Duration: One Year Funding: University of the Punjab
- Dr. Syed Ali Raza completed a research project Titled 2015-16: “” “Lalla Arfa k Kalam Ma Dars-eTasawaf”.
Duration: One Year Funding: University of the Punjab



○ Publications

Research articles published national & international:

- Dr. Nusrat Nisar, Hamdi Kashmiri- Kashmir Main Urdu Adab ka Darakhshanda Sitara, Sangar Mall, Jan. to Jun. 2015.
- Dr. Kh. Zahid Aziz, Bud Shahi Era A Review, Majallah-e-Tehqiq, 2015.
- Dr. Kh. Zahid Aziz, Abdul Ahad Azad, A Humanitarian Poet, Oriental College Magazine, Lahore, 2015.
- 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, ranbir Singh's Era A Review, Majallah-e-Tehqiq, Lahore, 2016.
- Dr. Sardar Asghar Iqbal, Review of India Atrocities and their effects on the people of Indian Held Kashmir, Majallah Tahqiq, April to June 2015.
- Dr. Sardar Asghar Iqbal, Brutalities in Kashmir During Sikh and Dogra Period, Majallah Tahqiq, Jan. to March 2015.

○ Conferences, Seminars And Workshops

- Kashmir Issue, 22 January, 2015, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmir Solidarity Day, 19 February, 2015, Kashmiryat Department, University of the Punjab, Lahore.
- History of Kashmiri Language, 12 March, 2015, Kashmiryat Department, University of the Punjab, Lahore.
- Shah Hamdan in Kashmir, 16 April, 2015, Kashmiryat Department, University of the Punjab, Lahore.
- A golden time period of Zain-ul-Abdin Bad Shah, 14 May, 2015, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmiri Arts and Crafts, 10 September, 2015, 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 Co-Author Naheed S. Goraya	Issues of Good Governance in South Asia



2	Prof. Dr. Muhammad Saleem Mazhar	سعادت یار خان نواب
3	Prof. Dr. Muhammad Saleem Mazhar	سعید ملتانی
4.	Prof. Dr. Ghulam Moeen ud Din	مناقبِ سلیمانی، حضرت شاہ سلیمان تونسوی کا ایک اہم تذکرہ
5.	Prof. Dr. Ghulam Moeen ud Din	Love and Devine Love in the Teachings of Shaikh Abu Al-Hasan Kharaqani,
6.	Prof. Dr. Ghulam Moeen ud Din	نیماہوش
7.	Prof. Dr. Muhammad Nasir	ہندوستان نویسی و سیمین دانشور
8.	Prof. Dr. Muhammad Nasir	مجموعہ مقالات اردو و انگریزی (میر سید علی ہمدانی کا نفرنس)
9.	Prof. Dr. Muhammad Nasir	مجموعہ مقالات فارسی (کا نفرنس بین الاقوامی میر سید علی ہمدانی)
10.	Dr. Najam ur Rashid	استدلال و استدلال مستفادان شبہ قارہ از دیوان حافظ شیرازی
11.	Dr. Najam ur Rashid Co-Author Dr. Nighat Tahira Naqvi	نگاہی بہ ہندو اندیشہ شعر سید فتح علی گریزی
12.	Dr. Syed Muhammad Farid Co-Author Dr. Sofia Sabir	نثر نویسان ایرانی و آسیائی مرکزی در دورہ ہمنیان
13.	Dr. Muhammad Sabir Assistant Professor	نگاہی بہ احوال و آثار سوامی بھوپت رائے سنگھ بیراگی
14.	Dr. Shoaib Ahmad Assistant Professor	دعادر مشنوی معنوی
15.	Dr. Ihsan Ahmad Assistant Professor	تذکرہ نوشاھی و اہمیت آن در منابع سلسلہ نوشاھیہ
Book Published		
1.	Prof. Dr. Muhammad Nasir	Rehnam'ay Sooba Kharasan Rizvi

○ **Conferences, Seminars And Workshops**

- Muhammad Saleem Mazhar (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Saleem Mazhar (2015), Hazrat Sultan Bahu Seminar", at Islamabad.
- Ghulam Moeen ud Din (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Nasir (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Nasir (2015), An International Literature of South Asia Conference, at LUMS University, Lahore.
- Najam ur Rashid (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.



- Syed Muhammad Farid (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Sabir (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Shoaib Ahmad (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Athar Masood (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Muhammad Athar Masood (2015), An International Literature of South Asia Conference, at LUMS University, Lahore.
- Ihsan Ahmad (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.
- Uzma Zareen Nazir (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.

DEPARTMENT OF PUNJABI

○ **Projects:** Completed

Sr. No.	Name	Title	Sponsor Agency	Funds	Remarks
1	Prof. Dr. Nabila Rehman	گورو گارنتھ صاحب اور شیخ فرید الدین مسعود گنج شکر (پروفیسر پریتیم سنگھ کی کتاب "گورو گارنتھ صاحب والے سکھ پھر بھدی بھال کا اردو ترجمہ مع حواشی)	PU	2,50,000/-	Completed
2	Dr. Naveeh Shahzad	نئی پنجابی شاعری اور طویل نظم کا دو سراسر حصہ	PU	2,00,000/-	Completed

○ **Publication:** Books/Edited

- Dr. Naveed Ahmad Shahzad. (2016، اردو ہندی زبان کا تنازع اور پنجابی زبان) (تحقیق)
- 2016، دریا ڈوبن چلیاواں (نظم)
- Dr. Saadat Ali Saqib. (2016، فیصل آبادی پنجابی نعت) (تحقیق)
- Dr. Zahir Ahmad Shafiq (2016، پنجابی ادب وچ ترستے دی روایت) (کھونج پرکھ)

○ **Publications**

Research articles published national & international

- Prof. Dr. Nabila Rehman Naveed Shahzad Di Nazam, (2016) Peloon, Peloon Publications, Multan (pg: 192-200)
- 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) نظم "پنجابی شاعری کا نو کلاسیکی دور اور طویل نظم" (ایک نوٹ) ننوری 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 بدلتا ہوا تناظر " 2016، شاہ عبدالطیف بھٹائی یونیورسٹی، خیر پور، الماس
- Dr. Asma Qadri " چھماپی کھوج، روٹی میری کاٹھ کی: فوائد الفواد (جلد دو جی) " جنوری تا جون 2016، چھماپی کھوج، پنجابی زبان دا ہمہ جہت شاعر: حافظ عبدالمجید 2016
- Dr. Saada Ali Saqib " چھماپی کھوج، فیمنیزم تے پنجابی کہانی کارناں " جنوری تا جون 2016، چھماپی کھوج، فیمنیزم تے پنجابی کہانی کارناں
- **Conferences, Seminars and Workshops**
 - Prof. Dr. Nabila Rehman:
 - 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.
 - *Shah Husain Seminar, Punjabi Deptt Punjab University Oriental college Lahore. 31 March, 2015.*
 - Dr. Naveed Ahmad Shahzad:
 - "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 - "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
 - ترقی پسند فکر اور عصری تناظر کانفرنس، شعبہ اردو بہا الدین زکریا یونیورسٹی، ملتان 20 اگست 2015
 - ترقی پسند فکر اور عصری تناظر: بحوالہ پنجابی شاعری
 - ادب معاشرہ اور تعمیر نو کانفرنس، شعبہ اردو شاہ عبدالطیف یونیورسٹی خیر پور 13-14 جنوری 2015،
 - پنجابی صوفی شاعری میں معاشرے کا تصور
 - Dr. Saadat Ali Saqib
 - "International Mother Language Day" Punjabi Department, February 2015.
 - "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 - "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 - "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
 - "Serat un Nabi Seminar" Punjab University Oriental College, Lahore, 2016
 - ORIC Seminar, Chemical Engineering Department, Punjabi University, Lahore 12 Aug.2016.



- Dr. Asma Qadri
 - “International Baba Farid Gunj Shakir Conference” Punjabi Department Punjab University Lahore, April 2015
 - “Shah Hussain Seminar” Punjabi Department Punjab University Lahore, March 2015
 - “Punjabi Mushaira” Punjabi Department Punjab University Lahore, April 2015
- Dr. Zaheer Ahmed Shafique:
 - “International Baba Farid Gunj Shakir Conference” Punjabi Department Punjab University Lahore, April 2015
 - “Shah Hussain Seminar” Punjabi Department Punjab University Lahore, March 2015
 - “Punjabi Mushaira” Punjabi Department Punjab University Lahore, April 2015

DEPARTMENT OF URDU

- **Publication:** Books/Edited
 - Dr. Baseera Ambreen (2015). *Zaib-e-Dastaan (Irani Afsano k Trajum)*. Publisher: Lahore Book Home.
 - Dr. Baseera Ambreen (2015). *Nepali Khaniya (Hindi say Urdu Trajum)*. Publisher: Lahore Book Home.
- **Publications:**
 - Research articles published national & international
 - Prof. Dr. Zahid Munir Amir (2015). *Hali ... Aik aur Zavia* (repeated). Include in: *Makhzan*, Quaid-e-Azam Library's Research Journal No. 29 Vol. 15 No. 1
 - Prof. Dr. Zahid Munir Amir (2015). *Prof. Riaz Ahmad Shad.... Urdu aur Punjabi Adab ka Khamosh Khidmat Gar*. Include in: *Mujallah Sharq*, Oriental College Lahore.
 - Prof. Dr. Zahid Munir Amir (2015). *Ilam, Khwash aur Fun (Khurshid Rizvi ki Naatia Shairi)*. Include in: *Almaas*, Research Journal Shah Abdul Latif University Khairpure Sindh Vol. 16
 - Prof. Dr. Zahid Munir Amir (2015). *Shibli Naumani aur Zafar Ali Khan*. Include in: *Bazyaft*, A Research Journal Department of Urdu, Oriental College, Punjab University Lahore Vol. 27 (Special Issue on Maulana Shibli Naumani)
 - Prof. Dr. Zahid Munir Amir (2015). *Beesween Saadi me Mudeeran e Jaraid ki Taba'ati Mushkilat*. Include in: *Zaban o Adab*, Govt. College University Faisalabad's Research Journal No. 17
 - Prof. Dr. Zahid Munir Amir (2015). *Dr. Javid Iqbal aur Sukhnan e Lala Fam*. Include in: *Iqbal*, Research Journal of Bazm e Iqbal Vol. 62 No. 2-4
 - Dr. Baseera Ambreen (2015). *Muhassanat e Ghalib Kalam Ghalib Me*. Include in: *Miyaar* Issue. 16 International Islamic University.
 - Dr. Baseera Ambreen (2015). *Islahe Ghazal ki Tajaweez or Hali ki Ghazal*. Include in: *Saheefa*. Majlis Taraqi o Adab, Lahore. Pg. 241-265.
 - Dr. Arifa Shahzad (2015). *Dr. Mohan Singh Deewana Ki Angrezi Me Tanqeed Nagari*. Include in: *Imtezaaj*, Karachi. No. 4.



- Research articles included in edited books:
Prof. Dr. M. Kamran, "Ye Dunya e Imroz Meri Hai". Punjab University Press, Lahore. 2015.
- **Conferences, Seminars and Workshops**
 - Prof. Dr. M. Kamran, "International Symposium 100th Anniversary Of Urdu Language Education". At Istanbul University, Turkey. 12 To 14 October 2015.
 - Prof. Dr. Zahid Munir Amir, Iqbal Seminar Ravians Quiz Society Govt. College University, Lahore Delivered Lecture as Chief Guest Nov. 26, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal's Anniversary Halqa e Arbab e Zauq, Lahore Delivered presendential address Nov. 15, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal's Anniversary Halqa e Arbab e Zauq, Lahore Special meeting Nov. 15, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal and Urdu Beacon House School System for Girls, Lahore Delivered Lecture as Chief Guest Nov. 13, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal and Children Beacon House School System for Boys, Canal Side Campus, Lahore Delivered Lecture as Chief Guest Nov. 11, 2015
 - Prof. Dr. Zahid Munir Amir, Referenc in the memory of Justice ® Dr. Javid Iqbal Lahore University of Management Sciences (LUMS) , Lahore Delivered speech on Iqbal and his son Dr. Javid Iqbal Nov. 11, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal and contemporary age President House Islamabad Chaired by President of Islamic Republic of Pakistan Delivered speech Nov 9, 2015
 - Prof. Dr. Zahid Munir Amir, Iqbal and our Society Thinkers Forum, Sialkot Presented Research Paper Nov. 9, 2015
 - Prof. Dr. Zahid Munir Amir, Freedom of Expression, Glocal Politics of Emotions Institute of Communication Studies Punjab Univeristy, Lahore / Awari Hotel, Lahore Presented Research Paper Nov. 3, 2015
 - Prof. Dr. Muhammad Fakhar Ul Haq Noori, Seminar Topic: "**Urdu Zuban Ki Jarhain**". Organized by: Lahore Art Council (Alhama). Dated: 11-13 Dec. 2015.

UNIVERSITY ORIENTAL COLLEGE

- **Conference, Seminars and Workshops, etc.**
 - A welcome reception was held on 28-10-2015 in honor of new students of M.A, M.Phil by the Principal Oriental College. Majority of faculty members along chairs and students attended the reception.
 - A poetic session was organized in honour of Pakistan's national poet Allama Iqbal's on 16-11-2015 at the staff room. Besides college's teachers, guest poets also graced the occasion.
 - The second college convocation held on 25-11-2016 at Shirani Hall, Oriental College, Lahore. Degrees to M.A and M.Phil students were distributed. The Vice-Chancellor of the University of the Punjab was the Chief Guest of the convocation ceremony.



- Syed Hujwer Taswwaf Seminar was arranged in collaboration of Punjab Auqaf Department, Lahore in connection with 972 Annual Urs of Hazrat Data Gunj Bukhsh on 30-11-2015 at Shirani Hall. The Seminar was presided over by the Vice-Chancellor Prof. Dr. Mujhid Kamran.
- Eid Milad al Nabi Seminar was held on 12-01-2016 at Shirani Hall. The Seminar was presided over by Prof. Dr. Mujahid Kamran, Vice-Chancellor.
- Prof. Dr. Ismat Ullah Zahid, Dean/Principal retired from the University services held on 02-02-2016. A tea party was arranged for college's employees in this connection.
- A session was organized in connection with Kashmir Solidainty Day on 05-02-2016 at M.A Urdu class room. A good number of teachers, students and employees were present at session. Key note speaker was Dr. Nusrat Nisar, Incharge Kashmiryat Department. Principal Oriental College Prof. Dr. Muhammad Fakhar ul Haq Noori thanked the participants and apprised then of Kashmir's Day Importance.
- An introductory session was held the newly appointed Principal Prof. Dr. Muhammad Fakhar ul Haq Noori on 09-02-2016 at staff room.
- A farewell party in connection with Dr. Ismat Ullah Zahid retirement was held on 16-02-2016 Shirani Hall. A befitting homage was paid to the services of Dr. Ismat Ullah Zahid by colligues and employs alike.
- A session with reference to Women Day was held on 17-03-2016 at Shirani Hall. The session was attended by majority of female teachers and female students. A poetic session was also conducted at the end of the session. Dean/Principal Prof. Dr. Muhammad Fakhar ul Haq Noori was the Chief Guest of the session.
- A ceremony was conducted in connection with Pakistan Day held on 22-03-16 at Shirani Hall. A good number of teachers, students and employees attended the ceremony. Prof. Dr. Khawja Muhammad Zakria, Dr. Zahoor Ahmad Azhar and Dr. Rafi ud Din Hashmi were guests of honor. Importance of celebrating Pakistan Day was highlighted at the ceremony.
- A poetic session was arranged on the last day of annual book fair at Al-Razi Undergraduate Hall, New Campus held on 05-05-2016. A good number of students and others attended the session. The Vice-Chancellor was the chief guest.
- The Annual Sports Festival's Prize Distribution Ceremony was held on 11-05-2016 at Shirani Hall. Principal Law College Dr. Shazia Qureshi was the Chief Guest. The Ceremony was hosted by Dean/Principal Prof. Dr. Muhammad Fakhar ul Haq Noori.
- A special lecture of Chairperson Doctoral Program Coordination Committee Dr. Kanwal Ameen was arranged for the longer benefit of students of M.Phil and Ph.D to articulate their research proposal in accordance with rules laid down for research held on 18-05-2016. Students of M.Phil and Ph.D and teacher's attended the lecture. The attendees were offered certificate by the host of the lecture Dean/Principal Prof. Dr. Muhammad Fakhar ul Haq Noori.



- Dr. Najum ur Rashid, Associate Professor of Persian Department his last breath on 05-07-16. The Quran Khawni was held in this regard on 14-07-16 at the Shirani Hall. The Vice-Chancellor also participated the Quran Khawni.
- A poetic session with reference to the Independence Day was held on 11-08-16 at class room of Urdu Department. Dr. Khawja Muhammad Zakria presided the session. Dr. Syed Muhammad Akram Ikran, Iqbal Chair was chief guest. Some guest poets including Amjad Islam Ajmad, Khalid Shrif, Wajid Ameer, Saud Usmeni, Hameed Shaheen, Saima Kamran participated in the session. The host was Dean/Principal Prof. Dr. Muhammad Fakhar ul Haq Noori.
- **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.

Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

- **Research & Development**
All teaching faculty in the Punjab University College of Pharmacy is involved in Research and Development. This research is being conducted in the fields of National priority. The college researchers are involved in conducting 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:** 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 (2016). Evaluation of Dynamics of Derivatization and Development of RP-HPLC Method for the Determination of Amikacin Sulphate. Pakistan Journal of Pharmaceutical Sciences, 2016 (Impact Factor 0.682)
- 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 Akhtar Nadeem, e Syed Zafar 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 Ummarah Kanwal, Nadeem Irfan Bukhari, Muhammad Ovais, Nasir Abass, Khalid Hussain & Abida Raza. Journal of Drug Therapeutics.
- 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 Acta 8 (1000553)2-4
- 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 goniacretica 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.
- Nauman Masood, Humaira Naureen, Nasir Abbas, Muhammad Adnan and Muhammad Haseeb Tariq. Formulation development and in-vitro evaluation of double layer tablet of sustained release (s.r.) flurbiprofen and immediate release doxycycline. International Journal of Pharmaceutical Sciences and Research. Sep 2015
- Zikria Saleem^{1*}, Hamid Saeed¹, Furqan K Hashmi¹, Nouman Saleem¹, Uzma Zafar¹, Maham Farrukh¹, Aina Salah¹, Saliha Ilyas¹, Sehrish Shafique¹, Mahrukh, Ahsan¹, Zeeshan Danish² and Muhammad Islam³ 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 Hanif¹, Nadeem Irfan², Zeeshan Danish^{2,*}, Nisaar Hussain³, Muhammad Ali¹, Bushra Nasir³, Javed Iqbal¹, Hamid Saeed³, Rubina Ali¹ and Zikria Saleem² Computer Aided Formulation and Characterization of Propranolol Hcl Buccal Tablet Using Polymeric Blend The Open Conference Proceedings Journal 8 (1- 13) –Foreign
- Sajjad Ali^{1*}, Syed Atif Raza², Humayun Riaz¹, Mobasher Ahmad Butt² Hamid Saeed², Zikria Saleem², Tanveer Ahmed Khan¹, and Muhammad Ishfaq Ahmad¹ A Demographical Assessment of Different Insulin Regimens in Non-insulin Dependent Diabetics British Journal of Pharmaceutical Research 17 (1): 1-7 Foreign
- Fariha Imtiaz, ¹Muhammad Islam, ^{*2}Hamid Saeed, ¹Bushra Saleem, ¹Maryam Asghar, ²Zikria Saleem. Impact of Trigonella foenum-graecum Leaves 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 Akhlaq¹, Zeeshan Danish^{2*}, Kamran Khan¹, Abid Hussain³, Mahvish Ajaz³, Junaid Qureshi⁴, Ghulam Razaque⁶, Aamir Jalil⁵, Naumanul Haq⁶, Hamid Saeed² 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, HamidSaeed , 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 S1*, Hamid Saeed1, Amna A1, Farooq B1, Iqra B1, Murryam K1, Azqa N1, Saba A1, Areefa T1, Muhammad I1 and Furqan KH1,2 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 Saeed1, Furqan K Hashmi1, Nouman Saleem1, Uzma Zafar1, Maham Farrukh1, Aina Salah1, Saliha Ilyas1, Sehrish Shafique1, Mahrukh, Ahsan1, Zeeshan Danish2 and Muhammad Islam3 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 Hanif1, Nadeem Irfan2, Zeeshan Danish2,*, Nisaar Hussain3, Muhammad Ali1, Bushra Nasir3, Javed Iqbal1, Hamid Saeed3, Rubina Ali1 and Zikria SaleemComputer Aided Formulation and Characterization of Propranolol Hcl Buccal Tablet Using Polymeric Blend The Open Conference Proceedings Journal 8 (1- 13) - Foreign
 - Sajjad Ali1*, Syed Atif Raza2, Humayun Riaz1, Mobasher Ahmad Butt2 Hamid Saeed, Zikria Saleem, Tanveer Ahmed Khan1, and Muhammad Ishfaq Ahmad1 A Demographical Assessment of Different Insulin Regimens in Non-insulin Dependent Diabetics British Journal of Pharmaceutical Research 17 (1): 1-7 Foreign
 - 1Fariha Imtiaz, 1Muhammad Islam, *2Hamid Saeed, 1Bushra Saleem, 1Maryam 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^{1*}, Hamid Saeed¹, Amna A1, Farooq B1, Iqra B1, Murryam K1, Azqa N1, Saba A1, Areefa T1, Muhammad I1 and Furqan KH1,2 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 Knowledge Regarding 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 Chemotherapy 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

○ **Research Journals**

Punjab University College of Pharmacy is publishing regular issue of journal under the name of "Pakistan Journal of Pharmacy

○ **Workshops, Conferences etc.**

Data provided at Sr. No. 5



RESEARCH COLLABORATION

○ Indigenous

Quite a few Faculty members have collaboration with renowned degree awarding Universities in different areas of global villages in the capacities of 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: Completed

Sr. No.	Project	Duration	Sponsoring Agency	Funding
1	Synthesis and optical characterization of Gold nano spheres nano stars and nanorods.	6 months	HEC	HEC

○ Projects: Newly Launched

Sr. No.	Project	Duration	Sponsoring Agency	Funding
1	Synthesis of Microwave absorbing material to reduce the electromagnetic radiations.	6 months	HEC	HEC

○ Publications

- R. Zia, F. Saleemi, **S. Naseem** and Z. Kayani
Study the efficiency of single crystal CdTe/ZnCdS solar cell at various temperatures and illumination levels Energy Reports, 1, 2015, 58



- Z. N. Kayani, M. Umer, **S. Riaz** and **S. Naseem**
Characterization of copper oxide nanoparticles fabricated by the sol-gel method
Journal of Electronic Materials, 44, 2015, 3704 [1.798](#)
- Z. A. Gilani, M. F. Warsi, M. N. Anjum, I. Shakir, **S. Naseem**, **S. Riaz** and M. A. Khan
Structural and electromagnetic behavior evaluation of Nd-doped lithium-cobalt nanocrystals for recording media applications
Journal of Alloys and Compounds, 639, 2015, 268 [2.999](#)
- I. Ghafoor, S. A. Siddiqi, **S. Atiq**, **S. Riaz** and **S. Naseem**
Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped $\text{La}_{0.1}\text{Bi}_{0.9}\text{FeO}_3$ multiferroics
Journal of Sol-Gel Science and Technology, 74, 2015, 352 [1.532](#)
- Z. N. Kayani, N. Iqbal, **S. Riaz**, R. Zia and **S. Naseem**
Fabrication and properties of zinc oxide thin films prepared by sol-gel dip coating method
Materials Science - Poland, 33, 2015, 515 [0.327](#)
- **I. Sadiq**, **S. Naseem**, M. N. Ashiq, M. A. Iqbal, I. Ali, M. A. Khan, S. Niaz and, M. U. Rana
- Spin canting effect and microwave absorption properties of Sm-Mn substituted nanosized material
Journal of Magnetism and Magnetic Materials, 395, 2015, 159 [1.970](#)
- **I. Sadiq**, **S. Naseem**, M. N. Ashiq, M. A. Khan, S. Niaz and M. U. Rana
Structural and dielectric properties of doped ferrite nanomaterials suitable for microwave and biomedical applications
Progress in Natural Science: Materials International, 25, 2015, 419 [1.873](#)
- F. Kanwal, A. Batool, M. Adnan and **S. Naseem**
The effect of molecular structure, band gap energy and morphology on the dc electrical conductivity of polyaniline/aluminium oxide composites
Materials Research Innovations, 19, 2015, 354 [0.830](#)
- T. Munir, W. Raza, **S. Naseem** and F. Abbas
Switching performance of normally-off 4H-SiC TI-VJFET
Optoelectronics and Advanced Materials–Rapid Communications, 2, 2015, 5634 [0.39](#)
- U. Khan, N. Adeela, K. Javed, **S. Riaz**, H. Ali, M. Iqbal, X. F. Han and **S. Naseem**
Influence of cobalt doping on structural and magnetic properties of BiFeO_3 nanoparticles
Journal of Nanoparticle Research, 17, 2015, 429 [2.184](#)
- H. Shehla, A. Ishaq, Y. Khan, I. Javed, **S. Riaz**, **S. Naseem** and M. Maaza
Ion beam irradiation-induced nano-welding of Ag nanowires
Micro and Nano Letters, 11, 2016, 34 [0.8](#)
- S. Islam, N. Bidin, Z. Haider, **S. Riaz**, **S. Naseem**, M. A. Saeed and F. M. Marsin
Sol-gel based single and multilayer nanoparticle thin films on low temperature substrate poly-methyl-methacrylate for optical applications
Journal of Sol-Gel Science and Technology, 77, 2016, 396 [1.53](#)



- I. Sadiq, **S. Naseem**, M. N. Ashiq, M. A. Khan, S. Niaz and M. U. Rana
Tunable microwave absorbing nano-material for X-band applications
Journal of Magnetism and Magnetic Materials, 401, 2016, 63 1.97
- S. Islam, N. Bidin, **S. Riaz**, **S. Naseem** and F. M. Marsin
Correlation between structural and optical properties of surfactant assisted sol-gel based mesoporous SiO₂-TiO₂ hybrid nanoparticles for pH sensing/optochemical sensor
Sensors and Actuators B - Chemicals, 225, 2016, 66 4.1
- S. Islam, N. Bidin, **S. Riaz**, G. Krishnan and **S. Naseem**
Sol-gel based fiber optic pH nanosensor: Structural and sensing properties
Sensor and Actuators A: Physical, 238, 2016, 8 1.903
- M. F. Khan, K. Siraj, M. S. Anwar, M. Irshad, J. Hussain, H. Faiz, S. Majeed, M. Dosmailov, J. Patek, J. D. Pedarnig, M. S. Rafique and **S. Naseem**
700 keV Ni⁺² ions induced modification in structural, surface, magneto-optic and optical properties of ZnO thin films
Nuclear Instruments and Method in Physics Research Section B, 368, 2016, 45 1.124
- Z. N. Kayani, A. Munir, **S. Riaz** and **S. Naseem**
Structural, optical and magnetic properties of aluminum doped MnZnO films deposited by dip coating
Journal of Alloys and Compounds, 662, 2016, 489 2.73
- S. Islam, N. Bidin, **S. Riaz** and **S. Naseem**
Sol-gel based phenolphthalein encapsulated heterogeneous silica-titania optochemical pH nanosensor
Journal of Industrial and Engineering Chemistry, 34, 2016, 258 3.51
- R. Zia, F. Saleemi and **S. Naseem**
Optical properties of thermally evaporated CdTe thin films by varying substrate temperature
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- S. Islam, N. Bidin, **S. Riaz** and **S. Naseem**
Structural and optical properties of surfactant assisted SiO₂-TiO₂ hybrid matrix for pH sensing: Sol-Gel approach
Jurnal Teknologi, 78, 2016, 211
- S. Honey, **S. Naseem**, A. Ishaq, M. Maaza, M. T. Bhatti and D. Wan
Large scale silver nanowires network fabricated by MeV hydrogen (H⁺) ion beam irradiation
Chinese Physics-B, 25, 2016, 046105 1.603
- U. Khan, N. Adeela, C. H. Wan, M. Irfan, **S. Naseem**, **S. Riaz**, M. Iqbal and X. F. Han
Response of iron oxide on hetero-nanostructures of soft and hard ferrites
Superlattices and Microstructures, 92, 2016, 374 2.10
- S. Zawar, **S. Atiq**, **S. Riaz** and **S. Naseem**
Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe₂O₄ ferrites
Superlattices and Microstructures, 93, 2016, 50 2.10



- R. Zia, F. Saleemi, **S. Naseem** and M. Riaz
Improve the efficiency of CdTe/Zn_xCd_{1-x}S all thin film solar cell by annealing
Optik - International Journal for Light and Electron Optics, 127, 2016, 4502 [0.677](#)
- Z. N. Kayani, Z. Saleem, **S. Riaz**, **S. Naseem** and F. Saleemi
Deposition of porous titanium oxide thin films as anti-fogging and anti-reflecting medium
Optik - International Journal for Light and Electron Optics, 127, 2016, 5124 [0.677](#)
- H. Shehla, F. T. Thema, M. T. Bhatti, A. Ishaq, **S. Naseem** and M. Maaza
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Surface Review and Letters, 23, 2016, 1550085 [0.38](#)
- S. Shamaila, N. Zafar, **S. Riaz**, R. Sharif, J. Nazir and **S. Naseem**
Gold nanoparticles: An efficient antimicrobial agent against enteric bacterial human pathogen
Nanomaterials, 6, 2016, 71 [2.690](#)
- A. Nairan, U. Khan, M. Iqbal, M. Khan, K. Javed, **S. Riaz** and **S. Naseem**
Temperature-dependent magnetic response of antiferromagnetic doping in cobalt ferrite nanostructures
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- M. A. Raza, Z. Kanwal, A. Rauf, A. N. Sabri, **S. Riaz** and **S. Naseem**
Size and shape dependent antibacterial studies of silver nanoparticles synthesized by wet chemical routes
Nanomaterials, 6, 2016, 74 [2.690](#)
- **S. Atiq**, S. M. Ramay, A. Mahmood, **S. Riaz** and **S. Naseem**
Magnetically re-cycleable Pd-modified NiFe₂O₄ nanoparticles
Chinese Journal of Chemical Physics, 29, 2016, 245 [0.50](#)
- **I. Sadiq**, **S. Naseem**, **S. Riaz**, H. M. Khan, M. N. Ashiq, **S. S. Hussain** and M. Rana
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Journal of Magnetism and Magnetic Materials, 414, 2016, 198 [1.97](#)
- M. Nadeem, M. Ahmad, M. S. Akhtar, A. Shaari, **S. Riaz**, **S. Naseem**, M. Masood and M. A. Saeed
Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications
PloS One, 11, 2016, 0158084 [3.23](#)
- S. Islam, N. Bidin, **S. Riaz**, **S. Naseem**, M. M. Sanagi and M. Imran
Multilayer crack-free hybrid coatings for functional devices
Journal of Nanophotonics, 10, 2016, 026026 [1.686](#)
- H. Faiz, K. Siraj, M. F. Khan, M. Irshad, S. Majeed, M. S. Rafique and **S. Naseem**
Microstructural and optical properties of dysprosium doped copper oxide thin films fabricated by pulsed laser deposition technique
Journal of Materials Science: Materials in Electronics, 27, 2016, 8197 [1.569](#)



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Fabrication and characterization of $\text{Ni}_{1+x}\text{Zr}_x\text{Fe}_{2-2x}\text{O}_4$ nanoparticles for potential applications in high frequency devices
Ceramics International, 42, 2016, 16359 [2.758](#)
- M. B. Shafqat, O. Arif, **S. Atiq**, M. Saleem, S. M. Ramay, A. Mahmood and **S. Naseem**
Influence of sintering temperature on structural, morphological and magnetic properties of barium hexaferrite nanoparticles
Modern Physics Letters – B, 30, 2016, 1650254 [0.687](#)
- J. Z. Hashmi, K. Siraj, **S. Naseem** and S. Shaukat
Dopant-induced modifications in structural and optical properties of ZnO thin films prepared by PLD
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- H. Shehla, A. Ishaq, Y. Khan, J. Iqbal, **S. Riaz**, **S. Naseem** and M. Maaza
Ion beam irradiation-induced nano-welding of Ag nanowires
Micro & Nano Letters, 11, 2016, 34 [0.853](#)
- **S. Riaz**, S. U. Rehman, M. Abutalib and **S. Naseem**
Structural, optical and dielectric properties of lower temperature synthesized aluminum oxide nanofibers – A Sol-Gel approach
Journal of Electronic Materials, 45, 2016, 5185 [1.491](#)
- M. S. Shafiq, M. Furqan, **S. Atiq**, M. Saleem, **S. Riaz** and **S. Naseem**
Carriers mediated magnetic and impedance spectroscopic analyses of sol-gel synthesized $\text{Zn}_{0.95-x}\text{Mn}_x\text{Fe}_{0.05}\text{O}$ ($0 \leq x \leq 0.05$) DMSs
Journal of Sol-Gel Science and Technology, 79, 2016, 535 [1.530](#)
- S. Islam, N. Bidin, **S. Riaz**, G. Krishnan, S. Daud, **S. Naseem** and F. Marsin
Sol-gel based optically active phenolphthalein encapsulated nanomatrices for sensing application
Journal of Sol- Gel Science and Technology, 79, 2016, 616 [1.530](#)
- A. Afzal, **S. Atiq**, M. Saleem, S. M. Ramay, **S. Naseem** and S. A. Siddiqi
Structural and magnetic phase transition of sol–gel-synthesized Cr_2O_3 and MnCr_2O_4 nanoparticles
Journal of Sol- Gel Science and Technology 80, 2016, 96 [1.530](#)
- **A. Ahmad**, A. Iqbal, A. Iftikhar and M. Asif
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Canadian Journal of Physics, 94, 2016, 26 [0.822](#)
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Influence of manganese on structural, dielectric and magnetic properties of ZnO nanoparticles
Digest Journal of Nanomaterials and Biostructures, 11, 2016, 899 [0.756](#)



- M. Amin, H. M. Rafique, M. Yousaf, S. M. Ramay, and **S. Atiq**
Structural and impedance spectroscopic analysis of Sr/Mn modified BiFeO₃ multiferroics
Journal of Materials Science- Materials in Electronics, 27, 2016, 11003 [1.798](#)
- K. Ahmed, F. Kanwal, S. M. Ramay, A. Mahmood, **S. Atiq** and YS-Al-Zaghayer
High dielectric constant study of TiO₂-polypyrrole composites with low contents of filler prepared by in-situ polymerization
Advances in Condensed Matter Physics, 2016, 2016, 6, [0.862](#)
- S. M. Ramay, A. Mahmood, **S. Atiq** and A. N. Alhazaa
Study of divalent elements (Mg, Sr and Ba)-doped LaMnO₃ nano-manganites
International Journal of Modern Physics B, 30, 2016, 1650020 [0.937](#)
- A. Khalid, **S. Atiq**, S. M. Ramay, A. Mahmood, G. M. Mustafa, **S. Riaz** and **S. Naseem**
Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO₃ multiferroic nanoparticles
Journal of Materials Science – Materials in Electronics, 27, 2016, 8966 [1.798](#)
- S. Islam, N. Bidin, **S. Riaz**, L. P. Suan, **S. Naseem** and M. M. Sanagi
Mesoporous nanocomposite coatings for photonic devices: sol-gel approach
Applied Physics A, 122, 2016, 935 [1.444](#)
- U. Khan, W. J. Li, N. Adeela, M. Irfan, K. Javed, C. H. Wan, **S. Riaz** and X. F. Han
Magnetic response of hybrid ferromagnetic and antiferromagnetic core- shell nanostructures
Nanoscale 8, 11, 2016, 6064 [7.760](#)
- 51. S. S. Ali, W. J. Li, K. Javed, D. W. Shi, **S. Riaz**, G. J. Zhai and X. F. Han
Exchange bias in two-step artificially grown one-dimensional hybrid Co-BiFeO₃ core-shell nanostructures
Nanotechnology 27, 4, 2016, 045708 [3.573](#)
- 52. S. Anjum, H. Nazli, R. Khurram, T. Zeeshan, A. Usman and **S. Riaz**
Role of Zn substitution on structural, magnetic and dielectric properties of Cu-Cr spinel ferrites
Indian Journal of Physics, 90, 8, 2016, 869 [1.166](#)
- **Conferences, Seminars and Workshops, etc.**
 - International Conference on Solid State Physics – 2015 (ICSSP'15), University of the Punjab, Lahore, Pakistan, December 13-17, 2015 Organized by: Centre of Excellence in Solid State Physics.
Attended By:
 - Prof. Dr. Shahzad Naseem
 - Prof. Dr. I. M. Ghauri
 - Prof. Dr. Mazhar-ud-Din Rana
 - Prof. Dr. M. Khaleeq ur Rahman
 - Dr. Saira Riaz
 - Dr. Afaq Ahmad
 - Dr. Shahid Atiq



- Dr. Syed Sajjad Hussain
 - Dr. Muhammad Akram Raza
 - Dr. Muhammad Javaid Iqbal
 - Dr. Hadia Noor
 - Dr. Imran Sadiq
 - Dr. Tariq Mahmood
 - Dr. Muhammad Saeed Akhtar
 - Mrs. Aseya Akbar
 - Mrs. Robina Ashraf
- The 2016 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16), August 28-September 1, 2016, ICC Jeju, Jeju Island, Korea.
- Symposia Organize by:
- Prof. Dr. Shahzad Naseem
 - Dr. Saira Riaz
- Attended By:
- Prof. Dr. Shahzad Naseem
 - Prof. Dr. M. Khaleeq ur Rahman
 - Dr. Saira Riaz
 - Dr. Shahid Atiq
 - Dr. Syed Sajjad Hussain
 - Dr. Muhammad Akram Raza
 - Dr. Hadia Noor
 - Mrs. Aseya Akbar

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

■ Dr. Munawar Iqbal

Sr. No.	Title of Research Paper	Name of Publishing Journal	Vol.	Impact Factor (IF)
1	Corrigendum to 'Fabrication and temperature dependent magnetic properties of nickel nanowires embedded in alumina templates	Ceramics International	42(1020)	2.758
2	Online beam energy measurement of BEPCII linear accelerator	Review of Scientific Instruments	87 (2)	1.336
3	Simulation and test of a thermionic hairpin source DC electron beam gun	Optik-Int. J. Light Electron Optics	127 (4)	0.742
4	Noble metal nanoparticles functionalized ZnO nanoflowers for photocatalytic degradation of RhB dye and electrochemical sensing of hydrogen peroxide	J. Nanoparticle Research	18 (4)	2.101
5	Temperature dependent magnetic response of anti-ferromagnetic doping in Cobalt Ferrite nanostructures	Nanonmaterials	6 (4)	2.69
6	Structural and magnetic response in bimetallic core-shell magnetic nanoparticles,	Nanonmaterials	6 (4)	2.69
7	Response of Iron Oxide on hetero-nanostructures of soft and hard Ferrites	Superlattices and Microstructures	92	2.117
8	Magnetic and Dielectric Investigations of Mn-Doped Ba-Hexaferrite Nanoparticles by Hydrothermal Approach	Journal of Electronic Materials	26 July, (2016)	1.491

■ Dr. M. Ayub Faridi

Sr. No.	Title of Research Paper	Name of Publishing Journal	Vol.	Impact Factor (IF)
9	Electronic structure and magnetic properties of $Zn_{1-x}TM_xTe$ ($TM=Fe, Co, Ni$)($TM=Fe, Co, Ni$) for $0 \leq x \leq 1$ alloys	International Journal of Modern Physics B	30	0.937
10	The study of electronic, elastic, magnetic and optical response of $Zn_{1-x}Ti_xY$ ($Y = S, Se$) through mBJ potential	Current Applied Physics	16	2.212

■ Dr. Talab Hussain, Dr. Abrar A Zafar, Dr. Qadeer Afzal Malik

Sr. No.	Title of Research Paper	Name of Publishing Journal	Vol.	Impact Factor (IF)
11	<i>Observation of $e^+e^- \rightarrow \omega\chi_{c1,2}$ near $\sqrt{s}=4.42$ and 4.6 GeV (BESIII Collaboration)</i>	Phys. Rev. D	93 , 011102 (R)	4.643
12	<i>Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production in e^+e^- Annihilations at $\sqrt{s}=3.65$ GeV (BESIII Collaboration)</i>	Phys. Rev. Lett	116 , 042001 (2016)	7.512
13	<i>Measurements of Absolute Hadronic Branching Fractions of the Λ^+c Baryon</i>	Phys. Rev. Lett	116 , 052001	7.512



14	Observation of the Singly Cabibbo-Suppressed Decay $D^+ \rightarrow \omega \pi^+$ and Evidence for $D^0 \rightarrow \omega \pi^0$ (BESIII Collaboration)	Phys. Rev. Lett.	116 , 082001	7.512
15	Search for a light CP-odd Higgs boson in radiative decays of J/ψ (BESIII Collaboration)	Phys. Rev. D	93 , 052005	4.643
16	Study of $J/\psi \rightarrow pp^-\phi$ at BESIII	Phys. Rev. D	93 , 052010	4.643
17	Study of ψ decays to the $\Xi^-\Xi^+$ and $\Sigma(1385)^-\bar{\Sigma}^+(1385)^+$ final states (BESIII Collaboration)	Phys. Rev. D	93 , 072003	4.643
18	Search for the weak decay $\eta' \rightarrow K \pi \pi$ and precise measurement of the branching fraction $B(J/\psi \rightarrow \phi \eta')$ (BESIII Collaboration)	Phys. Rev. D	93 , 072008	4.643
19	Observation of pseudoscalar and tensor resonances in $J/\psi \rightarrow \gamma \phi \phi$ (BESIII Collaboration)	Phys. Rev. D	93 , 112011	4.643
20	Observation of hc Radiative Decay $hc \rightarrow \gamma \eta'$ and Evidence for $hc \rightarrow \gamma \eta$ (BESIII Collaboration)	Phys. Rev. Lett	116 , 251802	7.512
21	Observation of an Anomalous Line Shape of the $\eta' \pi^+ \pi^-$ Mass Spectrum near the pp^- Mass Threshold in $J/\psi \rightarrow \gamma \eta' \pi^+ \pi^-$ (BESIII Collaboration)	Phys. Rev. Lett.	117 , 042002	7.512

▪ Dr. Irfan Mahmood

Sr. No.	Title of Research Paper	Name of Publishing Journal	Vol.	Impact Factor (IF)
22	Study of Half-Metallic Ferromagnetism in $\text{Be}_{0.75}\text{Ti}_{0.25}\text{Y}$ (Y = S, Se, and Te) Using Ab Initio Calculations: Potential Candidate for Spintronic Devices	Journal of Superconductivity and Novel Magnetism	29	0.909
23	Quasideterminant Solutions of NC Painleve II Equation with the Toda Solution at $n=1$ As a Seed Solution in Its Darboux Transformation	The 11 th AIMS Conference on Dynamical Systems, Differential Equations and Applications	July1 – July 5	--

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
- PhD Research Projects
 - Ecotourism for sustainable community development and natural resources management in SATOYAMA perspective in Salt Range-Pakistan
 - Impact of solid waste dumping sites on soil and groundwater quality: A comparative study
 - Impact of Climate Change on Agriculture Land Resources for Sustainable Land use Planning of South Western Balochistan, Pakistan
 - Climate change potential threats to food security in foot hills of Siwalik Range: Pakistan
 - An appraisal of glaciers dynamics under changing climate in Upper Indus Basin-Pakistan
- MPhil Research Projects
 - Physiochemical and bacteriological analysis of drinking water and water born diseases in Murree and Guliat, Foothill of Himalayas
 - climate change impact on the forest cover, Swat River Basin, Northern Pakistan
 - Potential on Green Economy towards Sustainability and Poverty Alleviation in Hindukush Himalaya HKH region Swat Pakistan
 - Assessment spatial/temporal variability on the physico-chemical properties of soil for sustainable land use development of Nowshera district
 - Hydraulic modeling for Flood Hazard assessment and its mapping in Kabul River Pakistan
 - Assessment of Land Use Potential For Sustainable Agriculture Development, Dour River basin KPK, Pakistan
 - Land Resource Management for Food Security in Quetta Valley Balochistan
 - Impact of climate extremes on hydrological extremes under changing climate in Upper Indus Basin, Pakistan
 - Physicochemical analysis of soil and water for sustainable land use planning, Neelum River Basin, AJK Pakistan.
 - An appraisal of hydrological drought under changing climate in Upper Indus Basin, Pakistan
 - Integrated Tourism Concepts, a way towards Sustainable Development in Karakorum-Pakistan
 - SWOT analysis towards willingness to pay for ecotourism as resources conservation at soon valley, Pakistan
 - Climate change and its impact on landuse and streamflow in Pothwar region, Pakistan
 - SWOT modeling for land degradation and its impacts on socio-economic scenario, Muzaffarabad, Azad Jammu and Kashmir
 - Integrated Database Management System for Disasters along southern front of Hamalya.



▪ MSc Research Projects

- Study of biodiversity of Khunjerab National Park, Gilgit Baltistan and its impact on local community
- Land suitability of olives in Barani agriculture Chakwal
- Assessment of soil for Wheat Crop in Khushab district
- Land suitability assessment for grapes orchards in Barani agriculture Chakwal
- Role of indigenous community of promoting ecotourism in Kallar Kahar
- Estimation of snow-covered area of subbasins in Upper Indus Basin Pakistan using remote sensing and GIS techniques
- Qualitative assessment of Groundwater for drinking purposes
- Estimation of soil types in mountainous catchments of Upper Indus Basin, Pakistan
- Estimation of landcovers in mountainous catchments of Upper Indus Basin, Pakistan
- An appraisal of mountainous catchment characteristics in Upper Indus Basin Pakistan
- A comparative assessment of different methods for identification of inhomogeneities and change point in climatic data of Upper Indus Basin Pakistan
- An appraisal of recent hydrology of mountainous catchments of Upper Indus Basin, Pakistan
- Assessment of ecotourism potential and sustainable management of natural resources in and around Kallar Kahar Lake
- Assessment of land use Potential and their management of Dera Murad Jamali Distt Nasir Abad Baluchistan
- Ecotourism potential and its role for sustainable development and livelihood in Hunza, Gilgit Baltistan
- Impact of socio-economic conditions of Atta bad disaster on the local community
- Spatial variations in Trans-boundary Rivers flow of Pakistan

○ Publications

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- Khalida Khan Muhammad Yaseen, Yasir Latif and Ghulam Nabi, 2015. Detection of river flow trends and variability analysis of Upper Indus Basin, Pakistan" Science International. (Lahore), 27 (2), 1261-1270.
- Saira Batool, Khalida Khan 2015, Forest change detection and its impact on rainfall pattern in Thak Valley, Pakistan, Pakistan Journal of Science, Vol.66, No. 4
- Fakhra Shahmim Khalida Khan, Habib-ur Rehman Athar and Abdul waheed, 2015 Prittection of photosynthetic machinery by up-regulation of anti-oxidant enzymes in contrasting tomato genotypes under water stress, Pakistan Pak. J. Bot., Vol. 47 (7), Pp. 1231-1239, ISSN, 2070-3368.



- Fakhra Shamim, Khalida Khan, and Sana Khalid, 2016, Comparison among 12 exotic accessions of tomato (*Solanum lycopersicum* L.) for root and shoot development under polyethylene glycol induced water stress, Pakistan Journal of Phyto-pathology, 28 (1), ISSN 1019-763X (accepted) Y
 - Fakhra Shamim, Khalida Khan, and Sana Khalid, 2015, Descriptive statistic and frequency distribution of one hundred and twenty tomato geotypes under PEG8000 to assess draught tolerance potential, Science International (Lahore), 1013-5316; CODEN: SINTE 8
 - Sana Khalid, Fakhra Shamim, Sidra Bibi, Sumera Javed and Khalida Khan, 2016, Evaluation of antimicrobial potential of female cones and needles of chir pine (*Pinus roxburghii* Sarg.). Pakistan Journal of Phyto-pathology, Vol. 28 (!), ISSN 1019-763X y
 - Sana Khalid, Fakhra Shamim, Zainab Mahboob, Khalida Khan, And Sumera Javed, 2015, Pharmacological analysis of different varieties of rice (*Oryza sativa* Linn.), Science International (Lahore), ISSN: 1013-5316; CODEN: SINTE 8
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 - Faisal, M., Muzammil, M., Azam, M.I., Yaseen, M., Abbas, Y., Nabi, G.," Flood Hazard Mapping And Risk Zoning Of The Nullah Deg, Pakistan Using Hydraulic Simulation Model (A Case Study)", Journal of Science International, Pakistan.
 - Afzal, M., Zakaullah, Yaseen, M., S. Mahmood, M. S. and Khan, M. A. (2015). Estimation of potential rainfall recharge in the Pothwar area. Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan Vol. 20 No. II.
 - Khan, K., Yaseen, M., Afzal, M. and Zaman, Q. (2015): Appraisal of air bubbles discharge measurement technique for different nozzle sizes. Sci. Int.(Lahore), 27(6), 6125-6130.
- **Conferences, Seminars and Workshops**
- International Conferences/Workshops
 - Attended Mountains 2015 Perth Conference "Mountains of our Future Earth" and presented Paper titled 'Effects of Altitude and Changing Climate on Soils and Biomass of Turbat-Baluchistan-Pakistan', reference 0180 and "Elevational impact on Agriculture Development Potential and Land use Management of Gilgit-



Baltistan, Northern Himalayas-Pakistan” for Poster organized by the Centre for Mountain Studies, Perth College, University of Highlands and Islands (UHI), Perth, Scotland, UK held from October 04-08, 2015

- Attended very first Leadership Development Conference Workshop for Women by the Higher Education Commission, Pakistan in collaboration with the British Council, at Wawasan Open University, Penang, Malaysia and Singapore from November 16-26, 2015.
- National Conferences/Workshops
Organized and celebrated “International Mountain Day” on December 11, 2016.

CENTER FOR UNDERGRADUATE STUDIES

Centre has produced about 64 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
Dr. Muhammad Younis	University of the Punjab	1,50,000	Mathematics
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

○ **Project: Newly launched**

Name of Researcher	Sponsoring Agency	Financial Support	Research Area
Dr. Najam ul Sehar Afshan	University of the Punjab	1,50,000	Botany
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. Shabnam Javed	University of the Punjab	1,50,000	Chemistry
Ms. Fatima Noreen	University of the Punjab	1,25,000	Islamiat

○ **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	Diversity and distribution of rust fungi causing plant diseases in Swat district, Khyber Pakhtunkhwa (KP), Pakistan	<i>Science International</i> (Lahore)	(2016), 28(4): 3993-4000



02	Dr. Najam ul Sehar Afshan	New host records for Pathogenic fungi in Pakistan	<i>Science International</i> (Lahore)	(2016), 28(3): 3083-3087
03	Dr. Najam ul Sehar Afshan	First record of <i>Parasola lilatincta</i> from Pakistan	<i>Mycotaxon</i>	(2016), 131(2): 316-322
04	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
05	Dr. Najam ul Sehar Afshan	New host records for <i>Puccinia graminis</i> , black stem rust, in Pakistan	<i>Science International</i> (Lahore)	(2016), 28(3), 3089-3090
06	Dr. Najam ul Sehar Afshan	New Report of edible mushroom, <i>Pleurotus cystidiosus</i> from Pakistan.	<i>Austrian Journal of Mycology</i>	(2015), 24: 23-30
07	Dr. Najam ul Sehar Afshan	New reports of Rust fungi from Malakand, Khyber Pakhtunkhwa, Pakistan,	<i>Mycotaxon</i>	(2015), 130: 647-651
08	Dr. Najam ul Sehar Afshan	Fungal diversity in World largest Man-made forest, Changa Manga, Pakistan	Published in proceeding of International Conference on Chemical, Agricultural and Biological sciences (cabs-2015) organized by Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015	2015, PP. 174-179
09	Dr. Najam ul Sehar Afshan	Geographical distribution and host range of genus <i>Uromyces</i> (Pucciniaceae, Uredinales) in Pakistan	Published in proceeding of International Conference on Chemical, Agricultural and Biological sciences (cabs-2015) organized by Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015	2015, PP. 167-173
10	Dr. Najam ul Sehar Afshan	New reports of rust fungi (Uredinales) from Sharan (Kaghan Valley), Pakistan	<i>Plant Pathology & Quarantine</i>	(2015), 5(2), 35-42
11	Dr. Najam ul Sehar Afshan	Some new records of <i>Uredinales</i> from Khyber Pakhtunkhwa (KP), Pakistan.	<i>Mycotaxon</i>	(2015), 130: 569-575



12	Dr. Najam ul Sehar Afshan	New Report of edible mushroom, <i>Termitomyces umkowaan</i> from Pakistan	<i>Sylwan</i>	(2015), 159 (6): 185-197
13	Dr. Najam ul Sehar Afshan	New host of <i>Puccinia coronata</i> var. <i>coronata</i> from Pakistan	<i>Journal of Plant Pathology</i>	(2015), 97(1): 209-220
14	Mrs. Amara Dar	Migration of ions and gases by directional freezing of water	<i>Arabian Journal of chemistry</i>	2016
15	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
16	Mrs. Amara Dar	A simple spot test Quantification method to determine formaldehyde in aqueous samples,	<i>Journal of Saudi Chemical society</i>	2016
17	Dr. Bushra Nisar Khan	Assessment of Population Trends of Birds at Taunsa Barrage Wildlife Sanctuary, Pakistan	<i>Biologia</i>	2016
18	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
19	Dr. Bushra Nisar Khan	SOCIO-ECOLOGICAL ASSESSMENT AND LOCAL COMMUNITY PERCEPTION TOWARDS WILDLIFE CONSERVATION AROUND MANGLA DAM, AJK	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 334-340
20	Dr. Bushra Nisar Khan	AVIAN DIVERSITY OF LAHORE ZOO SAFARI IN WINTER SEASON LAHORE, PAKISTAN	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 378-381
21	Dr. Bushra Nisar Khan	TRYPANOSOMA INFESTATIONS IN ROYAL BENGAL TIGER (PANTHERA TIGRIS) AT LAHORE ZOOLOGICAL GARDENS AND ITS THERAPY	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 477-482
22	Dr. Bushra Nisar Khan	PREVALENCE OF DENGUE FEVER DURING 2011 - 2012 IN PUNJAB	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 348-354
23	Dr. Bushra Nisar Khan	OCCURRENCE OF SALMONELLA IN FRESHWATER FISHES: A REVIEW	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 303-310
24	Dr. Bushra Nisar Khan	SOCIO-ECOLOGICAL ASSESSMENT AND LOCAL COMMUNITY PERCEPTION TOWARDS WILDLIFE CONSERVATION AROUND MANGLA DAM, AJK	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 334-340
25	Mrs. Robina Begum	Platinum Nanoparticles Fabricated Multi-Responsive Microgel Composites: Synthesis, Characterization and Applications	<i>Polymer composites</i>	2016
26	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
27	Mrs. Robina Begum	Responsive Hybrid Microgels for Catalytic Applications: A Review	<i>Materials Science and Technology,</i>	2016



28	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
29	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
30	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
31	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
32	Mrs. Robina Begum	"Review on synthesis, properties, characterization and applications of gold nanostructures fabricated responsive microgels	<i>Reviews in Chemical Engineering</i>	2016
33	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
34	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
35	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
36	Mrs. Robina Begum	Catalytic reduction of 2-nitroaniline in aqueous medium using silver nanoparticles functionalized polymer microgels" <i>Journal of Inorganic and Organometallic Polymers and Materials</i>	<i>Journal of Inorganic and Organometallic Polymers and Materials</i>	2015, 25(6), 1554-1568
37	Mrs. Robina Begum	Poly(N-isopropylacrylamide-co-methacrylic acid) microgel stabilized copper nanoparticles for catalytic reduction of nitrobenzene"	<i>Materials Science - Poland</i>	2015, 33(3), 627-634.
38	Mrs. Robina Begum	Effect of acrylic acid feed contents of microgels on catalytic activity of silver nanoparticles fabricated hybrid microgels"	<i>Turkish Journal of Chemistry</i>	2015, 39(1), 96-107.
39	Mrs. Robina Begum	Fabrication of silver nanoparticles in poly (N-isopropylacrylamide-co-allylacetic acid) microgels for catalytic reduction of nitroarenes" <i>Turkish Journal of Chemistry</i> 2015	<i>Turkish Journal of Chemistry</i>	2015, 39(3), 576-588.



40	Mrs. Robina Begum	Synthesis, characterization and fabrication of copper nanoparticles in N-isopropylacrylamide based co-polymer microgels for degradation of p-nitrophenol"	<i>Materials Science – Poland</i>	2015,33(1), 185-192
41	Mrs. Robina Begum	Effect of crosslinking density of poly(N-isopropylacrylamide-co-acrylic acid) microgels on catalytic reduction of nitrobenzene" <i>Walailak Journal of Science and Technology</i>	<i>Walailak Journal of Science and Technology</i>	2015, 12(12), 1147-1156.
42	Dr. Shabnam Javed	Hypoglycemic activity of <i>Monotheca buxifolia</i> and isolation of the active constituents through bioassay-directed fractionation techniques	<i>Asian journal of agriculture and biology</i>	special issue, CLSR, 93 (2015)
43	Dr. Muhammad Younis	New and more exact traveling wave solutions to integrable (2+1)-dimensional Maccari	<i>Nonlinear Dynamics</i>	2016
44	Dr. Muhammad Younis	New and more general traveling wave solutions for nonlinear Schrodinger equation	<i>Waves in random and complex media</i>	2016
45	Dr. Muhammad Younis	Optical soliton like pulses in ring cavity fibers of carbon nanotubes	<i>Journal of Nanoelectronics and Optoelectronics</i>	2016
46	Dr. Muhammad Younis	Dispersive optical solitons in nanofibers with Schrodinger-Hirota equation	<i>Journal of Nanoelectronics and Optoelectronics</i>	2016
47	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
48	Dr. Muhammad Younis	Thirring optical solitons in birefringent fibers with parabolic law nonlinearity	<i>Optoelectronics and Advanced Materials-Rapid Communications</i>	2016
49	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
50	Dr. Muhammad Younis	On optical solitons: The chiral nonlinear Schrodinger equation with perturbation and Bohm potential	<i>Optical and Quantum Electronic</i>	2016
51	Dr. Muhammad Younis	Combo-solitons in two-core nonlinear optical fibers	<i>Journal of Computational and Theoretical Nanoscience</i>	2016
52	Dr. Muhammad Younis	Optical solitons for ultrashort pulses in nano fibers	<i>Journal of Nanoelectronics and Optoelectronics</i>	2015
53	Dr. Muhammad Younis	Solitons for compound KdV-Burgers' equation with variable coefficients and power law nonlinearity	<i>Nonlinear Dynamics</i>	2015
54	Dr. Muhammad Younis	Optical solitons in dual-core fibers with inter-modal dispersion	<i>Optoelectronics and Advanced Materials - Rapid Communications</i>	2015



55	Dr. Muhammad Younis	Optical solitons in dual-core fibers with G'/G -expansion scheme	<i>Journal of Optoelectronics and Advanced Materials</i>	2015
56	Dr. Muhammad Younis	Bright, dark and singular solitons in magneto-electro-elastic circular rod	<i>Waves in Random and Complex Media</i>	2015
57	Dr. Muhammad Younis	Analytical and soliton solutions: nonlinear model of nano bioelectronics transmission lines	<i>Applied Mathematics and Computation</i>	2015
58	Dr. Muhammad Younis	Multiple travelling wave solutions for electrical transmission line model	<i>Nonlinear Dynamics</i>	2015
59	Dr. Muhammad Younis	Dispersive dark optical soliton in (2+1)-dimensions by G'/G -expansion with dual-power law nonlinearity	<i>Optik-International Journal for Light and Electron Optics</i>	2015
60	Dr. Muhammad Younis	Traveling wave solutions for nonlinear dispersive water wave systems with time dependent coefficients	<i>Nonlinear Dynamics</i>	2015
61	Dr. Muhammad Younis	<u>Exact solitons in a medium with competing weakly nonlocal nonlinearity and parabolic law nonlinearity</u>	<i>Journal of Nonlinear Optical Physics & Materials</i>	2015
62	Dr. Muhammad Younis	Optical solitons in birefringent fibers with Adomian decomposition method	<i>Journal of Computational and Theoretical Nanosciences</i>	2015
63	Dr. Muhammad Younis	Optical gausssons in dual-core nano-fibers	<i>Journal of Computational and Theoretical Nanosciences</i>	2015
64	Ms. Humaira Tariq	Home in the Dramatic World of 'The Father' by August Strindberg	International Journal of English Language and Literature Studies	2015

○ **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 (Abbottabad)
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	Assessment of Birds' Fauna, Occurrence Status, Diversity Indices and Ecological Threats at Mangla Dam, AJK	National Conference and Training Workshop "Wildlife and Aerobiology" 6-7 February 2015. Department of Zoology University of the Punjab, Pakistan	2015	Pakistan



Dr. Bushra Nisar Khan	Impact of Different Environmental Conditions on Behaviors of African Lion and their Welfare	42 nd Annual AAZK National Conference September 27-October 1, 2015, held at St. Louis Zoo USA. Organized by American Association of Zoo Keepers.	2015	Pakistan
Dr. Bushra Nisar Khan	Comparison of Diversity Indices of Avian Fauna at Mangla Lake Wetland.	Pakistan Congress of Zoology (International). March 1-4, 2015. Organized by Zoological Society of Pakistan and Centre of Excellence in Marine Biology, Karachi University, Karachi, Pakistan	2015	Pakistan
Mrs. Amara Dar	Oral presentation	27 th National and 15 th International Chemistry Conference	2016	Pakistan
Mrs. Amara Dar	Exploring Solutions in the Changing World	26 th National and 14 th International Chemistry Conference	2015	Pakistan
Dr. Najam ul Sehar Afshan	BIODIVERSITY OF UREDINALES IN KHYBER PAKHTUNKHWA, PAKISTAN	14 th National and 5 th 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
Dr. Najam ul Sehar Afshan	Geographical distribution and Host Range of genus <i>Uromyces</i> (Pucciniaceae, Uredinales) in Pakistan	INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES 2015 ORGANIZED BY Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015, PP. 167-173.	2015	Turkey
Dr. Najam ul Sehar Afshan	Fungal diversity in World largest Man-made forest, Changa Manga, Pakistan	INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES 2015 ORGANIZED BY Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015, PP. 174-179	2015	Turkey
Mrs. Robina Begum	Catalytic Reduction of 4-Nitroaniline by Silver Nanoparticles Fabricated Poly(N-Isopropylacrylamide-co-acrylic acid) Hybrid Microgels	26 th national and 14 th international Chemistry Conference of the Chemical Society of Pakistan organized by The Islamia University of Bahawalpur, held on October 5-8, 2015	2015	Pakistan



Mrs. Robina Begum	Silver-Poly(N-isopropylacrylamide-co-methacrylic acid) copolymer hybrid microgels for catalytic reduction of o-Nitroaniline in aqueous medium	26 th national and 14 th international Chemistry Conference of the Chemical Society of Pakistan organized by The Islamia University of Bahawalpur, held on October 5-8, 2015	2015	Pakistan
Mrs. Robina Begum	Silver nanoparticles fabricated in Poly(N-Isopropylacrylamide-co-Acrylic Acid) for catalytic reduction of nitrobenzene	17 th international Symposium on relations between Homogenous and Heterogenous Catalysis organized by Catalysis Centre Utrecht, Utrecht University, The Netherlands held on July 12-15, 2015	2015	Netherlands
Mrs. Robina Begum	Catalytic Reduction of Nitrobenzene using Silver Nanoparticles Stabilized in Multi-Responsive Polymer Microgels	17 th international Symposium on relations between Homogenous and Heterogenous Catalysis organized by Catalysis Centre Utrecht, Utrecht University, The Netherlands held on July 12-15, 2015	2015	Netherlands
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

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

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 2015-2016 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	Geospatial and Mult-Criteria Approaches for the Determination of Urban Parks in Sheikhpura City	250,000/-	University of the Punjab, Lahore
2.	Prof. Dr. Riaz Ahmad Sheikh	Upstream Petroleum Activities and Occupational Health and Safety management system: A Case Study from Potwar Pakistan	250,000/-	-do-
3.	Dr. Shafiq ur Rehman	Microbe Assisted Salinity Tolerance in Oilseeds	150,000	-do-
4.	Dr. Muzaffar Majid	Evaluation of Lawrencepur Sand as Fine Aggregate	150,000	-do-



Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
5.	Mr. Qasim Hussain Malik (CI Prof. Dr. Sajid Rashid Ahmad)	Green Marketing An Analysis of Consumer Behavior towards Green Products	125,000/-	-do-
6.	Ms. Zaib un Nisa	Assessment of Runoff Sediment Yields and Nutrient Loss using the SWAT Model in Upper Indus Basin of Pakistan	125,000/-	-do-
7.	Mr. Muhammad Waqar	The Study of Ground Water Characterization through Geospatial Framework under Heavy Population Stress and Deterioration Problems of Lahore City.	125,000/-	-do-

■ **Project: Newly launched**

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-
3.	Dr. Nadia Jamil	Elimination of lead from waste water through Adsorption	150,000	-do-
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 Ecotourism Resources along China-Pakistan Economic Corridor	150,000/-	-do-
8.	Dr. Muzaffar Majid	Evaluation of Kalabagh Bridge Terrace and near 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-



Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
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-

○ **Research Publications**

Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
15.	Zahra, N., Jamil, N, Ahmad, S.R., Kalim, I., Saeed M.K. James, N. and Marriam, M.	2016	Ochratoxin: A Potent Carcinogen	International Research Journal of Biological Sciences	NIL	5(11)	21-26
16.	W.A. Anjum, S.R. Ahmad, M. Sanaullah, Z. Majid, and K. Mirza	2016	Geographic Informations System and Modeling Approach for Groundwater Systems of Rechna Doab, Pakistan	Pakistan Journal of Sciences	HEC Recog. Y-Cat	68(04)	470-
17.	Saleem, M.U. and Ahmad, S.R.	2016	Missing Data Imputations for Upper air Temperature at 24 Standard Pressure Levels over Pakistan Collected from Aqua Satellite	Journal of Data Analysis and Information Processing	Google IF: 1.28	4	132-146
18.	Hamid, A., Yaqub, G., Sadiq, Z., Haseeb, M., and Ahmad, S.R.,	2016	Application of Chromatographic Techniques for determination of Insecticides and Pesticides in Waste Water used for irrigation.	American-Eurasian Journal of Toxicological Sciences	NA	8(2)	89-93
19.	Hamid, A., Riaz, H., Akhtar, S. and Ahmad, S.R.	2016	Heavy Metal Contamination in vegetables Soil and water and Potential Health Risk Assessment	American-Eurasian Journal of Toxicological Sciences	NA	16(04)	786-794
20.	Hamid, A., Saeed, I., Akhtar, S. and Ahmad S.R.	2016	Environmental Profile of a Rubber Industry	Nature Environment and Pollution Technology	1.953	15(03)	957-961



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
21.	Akhtar, S., Abid, S. Hamid, A. and Ahmad, S.R.	2016	Assessment of Canal Sediments for Agricultural Uses.	J. Bio. Env. Sci.	RG IF: 0.58	8(2):	146-153
22.	Ahmad, A., Javaid, U., Javed, M.A., Ahmad, S.R., Jaffri, M.A., and Ashfaq, M.	2016	Landfill Sites Identification using GIS and Multi-Criteria Method: A Case Study of Intermediate City of Punjab, Pakistan,	Journal of Geographic Information System	Google IF: 0.95	8	40-49.
23.	Rathore, S., Ahmad, S.R. and Shirazi, S.A.	2016	Use of Suitability Model to Identify Landfill sites in Lahore-Pakistan.	Journal of Basic & Applied Science	HEC Recog. Y-Cat.	12	103-108
24.	Waqar, M., Ahmad, S.R. Rehman, S.U., Majid, Z. and Hassan, F.	2016	Hydrodynamic modeling of the Kurang River using Hydro-informatics modeling system (HIMS): An application from a scarce data region	Bulletin of Environmental Studies	N.A.	01(04)	90-97
25.	Anwar, T. and Ahmad, S.R.	2016	Soil Erosion Assessment and mapping of Astore Watershed (Gilgit-Baltistan, Pakistan) using Geospatial Data and Techniques.	Natural Resources	0.22	(Accepted)	
26.	Hamid, A., Riaz, H., Akhtar, S. and Ahmad, S.R.	2016	Heavy Metal Contamination in Vegetables, Soil and Water and Potential health Risk Assessment, American-Eurasian	J. Agric. & Environ. Sci.	NA	16(4):	786-794.
27.	Rathore, S., Ahmad, S.R. and Shirazi, S.A.	2016	Use of the Suitability Model to Identify Landfill Sites in Lahore-Pakistan.	Journal of Basic & Applied Sciences,	HEC Recog. Y-Cat	12	103-108
28.	Baqar, M., Jamil, N., Ahsan, N., Khanum, K., Qadir, A., Zameer, M. and Khalid, A.	2016	Heavy Metal Toxicity in Wastewater Irrigated Peri-Urban Agriculture Areas of Lahore, Pakistan: A Case study.	Transylvanian Review	0.045	24	3304-3313
29.	Yasmeen, H., Qadir, A. Mumtaz, M., Eqani, S.A., M.A.S. Syed, J.H., Mahmood, A., and Tanveer, Z.I.	2016	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	1193-1201



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
30.	Jamil, N., Baqar, M., Ilyas, S., Qadir, A., Arslan, M., Salman, M. and Zahid, H.	2016	Use of Mercury in Dental Silver Amalgam: An Occupational and Environmental Assessment.	BioMed Research International	2.467	2016	1-9
31.	Yousaf, B., Liu, G., Wang, R., Imtiaz, M., Rizwan, M.S., Ziaur-Rehman, M., Qadir, A and Si, Y.	2016	The Importance of evaluating metal exposure and predicting human health risks in urban-periurban environments influenced by emerging industry.	Chemosphere	2.74	15	79-89
32.	Nazeer, S., Hashmi, M., Malik, R. Qadir, A., Ahmad, A. and Ullah, K.	2016	Integrative assessment of western Himalayas Streams using multimetric index	Ecological Indicators	3.898	63	386-397
33.	Yousaf, B., Liu, G., Wang, R., Qadir, A., Ali M.U., Kanwal, Q., and Abbas, Z.	2016	Bisphenol A exposure and healing effects of Adiantum capillus-veneris L., Plant extract (APE) in bisphenol A-induced reproductive toxicity in albino rats.	Environmental Science and Pollution Research	2.97	23	11645-11657
34.	Mehmood, A., Mahmood, A., Eqani, S.A.M.A.S., Ishtiaq, M. Ashraf, A., Bib, No., Qadir, A. and Zhang, G.	2016	A review on emerging persistent organic pollutants: Current scenario in Pakistan	Human and Ecological Risk Assessment	1.09	23	1-13
35.	Mumtaz, M., Mehmood, A., Qadir, A., Mahmood, A., Malik, R.N., Sabir, A.M., and Zhang, G.	2016	Polychlorinated biphenyl (PCBs) in rice grains and straw: risk surveillance, congener specific analysis, distribution and source apportionment from selected districts of Province, Pakistan	Science of the Total Environment	4.90	543	620-627
36.	Shaikh, I.A., Muqddas, A., Jamil, N. and Qadir A.	2016	Environmental Friendly approach to simultaneously remove unfixed dyes from textile fabric and wash-off Liquor.	Fibres & textiles in Eastern Europe	0.65	3	124
37.	Lateef, A., Nazir, R., Jamil, N. Alam, S, Shah, R, Khan, M.N. and Saleem, M.	2016	Synthesis and characterization of Zeolite based nanocomposite: An Environment friendly slow release fertilizer	Microporous and Mesoporous Materials	3.615	232	174-184



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
38.	Shafique, U., Anwar, J., Munawar, M.A., Zaman, W.U. Rehman, R., Dar, A., Salman, M., Saleem, M. Shahid, N., Akra, M., Naseer, A and Jamil, N.	2016	Chemistry of ice: Migration of ions and gases by directional freezing of water.	Arabian Journal of Chemistry	4.553	9	S47-S53
39.	Abbas, N., Jamil, N. and Hussain, N.	2016	Assessment of Key parameters in tannery sludge management: A prerequisite for energy recover.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	0.5277	38 (18)	2656-2663
40.	Mustafa Ali, Wenping Wang and Nawaz Chaudhry	2016	Management of wastes from Hospitals: A case study in Pakistan	Waste Management & Research	1.338	34(1)	87-90.
41.	Khalid Mahmood, Syeda Adila Batool and Muhammad Nawaz Chaudhry	2016	Studying bio-thermal effects at and around MSW dumps using Satellite Remote Sensing and GIS	Waste Management	3.829	55	118-28
42.	Hussain, S., Naeem, M., & Chaudhry, M. N.	2016	Estimation of residual antibiotics in pharmaceutical effluents and their fate in affected areas.	Polish Journal of Environmental Studies	0.790	25(2)	607-614
43.	Hussain, S., Naeem, M., & Chaudhry, M. N. & Iqbal, M. A	2016	Accumulation of Residual Antibiotics in the Vegetables Irrigated by Pharmaceutical Wastewater	Water Quality Exposure and health,	1.692	8 (1)	107-115.
44.	Ashraf, U.; Ali, H.; Chaudry, M.N.; Ashraf, I.; Batool, A.; Saqib, Z.	2016	Predicting the Potential Distribution of <i>Olea ferruginea</i> in Pakistan incorporating Climate Change by Using Maxent	Model. Sustainability	1.343	8	722
45.	Asma Majeed, Syeda Adila Batool, Muhammad Nawaz Chaudhry, Rana Aatif Siddique	2016	Scavenging demeanor in Bahawalpur, Pakistan: social and health perspective	Journal of Material Cycles and Waste Management	1.422	DOI: 10.1007/s10163-016-0483-2	1-12
46.	Asma Majeed, Syeda Adila Batool, Muhammad Nawaz Chaudhry	2016	Informal Waste Management in the Developing World: Economic Contribution Through Integration With the Formal Sector	Waste and Biomass Valorization	0.915	Doi:10.1007/s12649-016-9648-4	1-16



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
47.	A. Hameed, 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	The Journal of Animal & Plant Sciences	0.46	26(4):	1124-1132
48.	Mangat, A., Shaikh, I.A., Ahmad, F., Munir, S., and Baqar, M.	2016	Fenton Oxidation Treatment of Spent Wash-off Liquor for Reuse in Reactive Dyeing	Technical Journal, University of Engineering & Technology (UET) Taxila	HEC Recog. Y-Cat	19(IV)	43-
49.	Sadeq, Y., Tjalfie, G., Poulsen, Habib, K., Iqbal, I. and Nizami, A.S.	2016	Uncertainty in Degradation Rates for organic Micro-pollutants during Full-Scale Sewage Sludge Composting Waste management	Waste Management	3.157	56	396-402
50.	Y. Sadeq; AS Nizami; S.A. Batool; MN Chaudhary; O K M Ouda; ZZ Asam; K Habib; M. Rehan and A. Demibras	2016	Waste-to-Energy and Recycling Value for Developing Integrated Solid Waste Management Plan in Lahore.	Energy Sources Part B: Economics, Planning, and Policy	1.150	11(7)	569-579
51.	Ain, Q.U., Bareen, F., and Shafiq, M.	2016	Management of Parthenium hysterophorus through biochar formation and its application to rice-wheat cultivation in Pakistan	Agriculture, Ecosystem and Environment	4.099	235	265-276
52.	Tabassum, S., Shahid, N., Wang, J., Shafiq, M., Mumtaz, M. and Arslan, M.	2016	The Oxidative stress response of Mirabilis Jalapa to exhausted Engine Oil (EE) during Phytoremediation.	Polish Journal of environmental Studies	0.793	25(06)	2581-2587
53.	Ahmed, N., Khalid, P., Ahmad, S.R., Bilal, H.M., and Sameeni, S.J.	2016	Differentiation of Reservoir Fluids by applying Geostatistical Techniques in the Basal Sandstone of Lower Indus Basin,	In the proceedings of 7th International conference on Applied Geophysics "Geophysics Towards Sustainable development of Thailand and AEC" held from January 14-15, 2016.			



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

- Organized Seminar on World Water Day held on March 22, 2016
- Organized Seminar on World Earth Day held on April 22, 2016
- Organized Seminar on World Environment Day held on 5th June 2016
- Organized Seminar on World Tourism Day held on 27th September, 2016

Research Collaboration

○ **Indigenous**

- NUST, Islamabad
- UVAS, Lahore
- University of Health Sciences, Lahore
- Ministry of Science and Technology, Lahore
- CAMB, Lahore
- CEMB, Lahore
- PCRWR, Lahore
- PCSIR Laboratories, Lahore
- WWF, PAKISTAN
- 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**

Faculty Members of the CEES has carried out the Research Project funded by the University of the Punjab, Lahore under Annual Research Project Grants.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **Research & Development - 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.

○ **Projects: Completed: 07**

S.#	Year	Name	Title	Donor Agency	Amount (Pak. Rs)
1	2016	Dr. Rehan Ahmad Khan	Awareness about Importance & Scope of Statistics Education among Secondary Standard School Children	Higher Education Commission & University of the Punjab, Pakistan	990,000/-



2	2015	Dr. Rehan Ahmad Khan	Risk Management in Islamic Financial Institutions	University of the Punjab, Pakistan	150,000/-
3	2015	Dr. Shahid Kamal	Online Social Networking and Student's Academic Performance	University of the Punjab, Pakistan	250,000/-
4	2015	Ms Irum Sajjad Dar	Empirical Size and Power Properties of Various Weighed and Unweighted Portmanteau Tests	University of the Punjab, Pakistan	150,000/-
5	2015	Mr. Munawar Iqbal	Impact of Student Teacher Interaction Students Academic Performance	University of the Punjab, Pakistan	150,000/-
6	2015	Ms Farida Rafique	The Quality of Sleep and Psychological Correlates of Poor Sleep Among University Students	University of the Punjab, Pakistan	125,000/-
7	2015	Mr. Ghulam Nabi	Actuarial Valuation of Pension Liabilities of PU Employees	University of the Punjab, Pakistan	300,000/-

○ Publications

- Syed Afrozuddin Ahmed, Junaid Saghir Siddiqi, Sabah Quaiser, Shahid Kamal. (2015). Using PCA, Poisson and Negative Binomial Model to Study the Climatic Factor and Dengue Fever Outbreak in Lahore, Journal of Basic & Applied Sciences. 11. (HEC Recognized)
- Sherwani, R.A.K., Kamal, S. and Abbas, S. (2015). Random Intercept and Random Slope 4-Levels Multilevel Models. CJASR, 4(2), 6-14, ISI-Indexed (X-Category)
- Ahmad, F. and Sherwani, R.A.K. (2015). Power Comparison of Various Normality Tests. PJSOR, 11(3), 331-345. (Y-Category)
- Irum Sajjad Dar, Muhammad Ahsan ul Haq, Quratulain. (2015). Factors Influencing Job Satisfaction of Nurses in Public Hospitals, Science International Lahore. Vol.27 (3), 1761-1765.
- Muhammad Ahsan ul Haq, Irum Sajjad Dar, Quratulain. (2015). Performance Comparison of Classification Techniques, Artificial Neural Network, Discriminant Analysis and Logistic Regression: Application "Establish more Private Academies or not", Science International Lahore. Vol.27 (3), 1803-1807.
- Nadia Qasim, Nasira Jabeen, Zafar Iqbal Jadoon, Irum Sajjad Dar. (2015). Governance and Management of Higher Education Institution in Pakistan: A case study of Lahore College for Women University, Global Management Journal for Academic & Corporate Studies. Vol.5 (1).
- Sohail Chand, Kashif Kausar. (2015). Modeling Income Distribution and Measuring Income Inequality, Caspian Journal of Applied Sciences Research. Vol. 4, No. 4, pp 6-13.
- Sana Saeed, Zahid Javed, Sohail Chand, Naimatullah Hashmi, Maqsood Ahmad. (2015). Spatial Distribution of Arsenic Concentration in Drinking Water Using Kriging Techniques, Science International Lahore. Vol. 27, No. 2, 949-954.



▪ **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 2015-2016.

▪ **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 of this Department during 2015.

▪ **Research Papers/Articles Published**

Sr. No.	Name of Author	Title of Paper/Article
1.	Prof. Dr. Abdul Ghaffar	Bhalli, M. N., Ghaffar, A., (2015), "Use of Geospatial Techniques in Monitoring Urban Expansion and Land Use Change Analysis: A Case of Lahore, Pakistan". Journal of Basic & Applied Sciences, Vol 11, 265-273.
2.	Dr. Safdar Ali Shirazi	Shakrullah K, Shirazi S.A, and Sajjad H. S (2015). "Spatio-Temporal Analysis of land Cover Changes of Dhaka City in Bangladesh". Pakistan Journal of Science, Vol. 67 No. 4 Dec., 2015 pp.413-418 Lahore (Y category-HEC recognized)
3.	Dr. Safdar Ali Shirazi	Zia S., Shirazi S.A, Bhalli M. N and Kausar, S (2015). "The Impact of Urbanization on Mean Annual Temperature of Lahore Metropolitan Area, Pakistan". Pakistan Journal of Science, Vol. 67 No. 3 Sept., 2015 pp.310-316 Lahore (Y category-HEC recognized)



4.	Dr. Ibtisam Butt	Lung Carcinoma types, Gender and its changing trend in the Punjab, 2008-12 published in Science International (22015) Vol.27: No.1
5.	Dr. Saima Siddiqui	Siddiqui S.; Soldati M.; Castaldini D. (2015) - <i>Appraisal of active deformation from drainage network and faults: inferences from non-linear analysis</i> - EARTH SCIENCE INFORMATICS - volume 8(1) - pp. 233 - 246 ISSN: 1865-0473

○ 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 September 2015 - June 2016. Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik, and Dr. Ghazala Akram, Dr. Muhammad Riaz, Dr. Nauman Raza, Dr. Saima Arshed, 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: 51 in Ph.D., 64 in M.Phil., 148 students in M.Sc. (Morning), 154 students in M.Sc. (Self-Supporting), 133 students in BS.

06 Ph.D. Students, 18 M.Phil. Students, 66 M.Sc. students and 24 BS Students completed their degrees during the said period. M.Phil. / 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 twenty M.Phil. and twenty five Ph.D. scholars delivered lectures.

Departmental Library has been enriched by adding 83 books relevant to Mathematics and 17 new research Journals during this period.



○ Publications

- Prof. Dr. Muhammad Sharif and Zunaira Nasir, *Structure Scalars in Dissipative Axial Collapse in $f(R)$ Gravity*, Gen. Relativ. Gravit. **47**(2015)85 (**Springer**).
- Prof. Dr. Muhammad Sharif and Dr. Shamaila Rani, *Dynamical Instability of Expansion-free Collapse in $f(T)$ Gravity*, Int. J. Theor. Phys. **54**(2015)2524-2542 (**Springer**).
- Prof. Dr. Muhammad Sharif and Dr. Muhammad Zaeem ul Haq Bhatti, *Role of Bulk Viscosity and Electromagnetic Field on the Stability of Collapsing Cylinder*, Int. J. Theor. Phys. **54**(2015)2921-2931 (**Springer**).
- Prof. Dr. Muhammad Sharif and Zunaira Nasir, *Evolution of Dissipative Anisotropic Expansion-free Axial Fluids*, Commun. Theor. Phys. **64**(2015)139 (**China**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Structure Scalars and Cylindrical Systems in Brans-Dicke Gravity*, Astrophys. Space Sci. **359**(2015)17 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Self-Gravitating Spherically Symmetric Fluid Models in Brans-Dicke Gravity*, Gen. Relativ. Gravit. **47**(2015)98 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Corrigendum: Null Geodesics and Strong Field Gravitational Lensing in a String Cloud Background*, Advances High Energy Phys. **2015** (2015)219762 (**Hindawi Publishing Corporation**).
- Prof. Dr. Muhammad Sharif and H.I. Fatima, *Noncommutative Wormhole Solutions in $f(G)$ Gravity*, Mod. Phys. Lett. A **30**(2015)1550142 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Dr. Zeeshan Yousaf, *Dynamics of Spherical Stars with Structure Scalars and $R+\epsilon R^n$ Cosmology*, Can. J. Phys. **93**(2015)905-911 (**Canada**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Null Geodesics and Strong Field Gravitational Lensing of Black Hole with Global Monopole*, Advances High Energy Phys. **2015**(2015)854264 (**Hindawi Publishing Corporation**).
- Prof. Dr. Muhammad Sharif and Sobia Sadiq, *Effects of Charge on Anisotropic Conformally Flat Polytropes*, Can. J. Phys. **93**(2015)1420-1426 (**Canada**).
- Prof. Dr. Muhammad Sharif and Dr. Muhammad Zaeem ul Haq Bhatti, *Stability Analysis of Axial Reflection symmetric Spacetime*, Mon. Notices Roy. Astron. Soc. **455**(2015)1015-1026 (**OUP**).
- Prof. Dr. Muhammad Sharif and Rabia Saleem, *General Dissipative Coefficient in Strong Anisotropic Inflation*, Astrophys. Space Sci. **360**(2015)46 (**Springer**).
- Prof. Dr. Muhammad Sharif and Kanwal Nazir, *Cosmological Evolution of Generalized Ghost Pilgrim Dark Energy*, Astrophys. Space Sci. **360**(2015)57 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sobia Sadiq, *Conformally Flat Polytropes for Anisotropic Cylinder Geometry*, Can. J. Phys. **93**(2015)1583-1587 (**Canada**).
- Prof. Dr. Muhammad Sharif and Dr. Abdul Jawad, *Thermodynamics with Entropy Correction in Kaluza-Klein Universe*, Chinese J. Phys. **53**(2015)110112 (**China**).



- Prof. Dr. Muhammad Sharif and H.I. Fatima, *Built-in Inflation in $f(G)$ Gravity*, Int. J. Mod. Phys. D **25**(2016)1650011 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Iqra Nawazish, *The View of Chaotic Inflationary Universe from $f(R)$ Gravity*, Astrophys. Space Sci. **361**(2016)19 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Equatorial Gravitational Lensing by Accelerating and Rotating Black Hole with NUT Parameter*, Astrophys. Space Sci. **361**(2016)36 (**Springer**).
- Prof. Dr. Muhammad Sharif and Dr. Zeeshan Yousaf, *Charged Adiabatic LTB Gravitational Collapse in $f(R)$ Gravity*, Int. J. Theor. Phys. **55**(2016)470-480 (**Springer**).
- Prof. Dr. Muhammad Sharif and Saadia Mumtaz, *Linearized Stability of Cylindrical Thin-Shell Wormholes*, Can. J. Phys. **94**(2016)158-169 (**Canada**).
- Prof. Dr. Muhammad Sharif and H. Ismat Fatima, *Noether Symmetries in $f(G)$ Gravity*, J. Exp. Theor. Phys. **122**(2016)104-112 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rabia Saleem, *Inflationary Weak Anisotropic Model with General Dissipation Coefficient*, Astrophys. Space Sci. **361**(2016)107 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Hydrodynamics of Gaseous System in Massive Brans-Dicke Gravity*, Eur. Phys. J. Plus **131** (2016)64 (**Springer**).
- Prof. Dr. Muhammad Sharif and Sehrish Iftikhar, *Accretion onto a Charged Higher-Dimensional Black Hole*, Eur. Phys. J. C **76**(2016)147 (**Springer**).
- Prof. Dr. Muhammad Sharif and H.I. Fatima, *Wormhole Solutions for $f(G)$ Gravity in Galactic Halo Region*, Astrophys. Space Sci. **361**(2016)127 (**Springer**).
- Prof. Dr. Muhammad Sharif and Zunaira Nasir, *Effects of $f(R)$ Model on the Dynamics of Axial Shear-free Dissipative Fluids*, Comm. Theor. Phys. **65**(2016)483-491 (**China**).
- Prof. Dr. Muhammad Sharif and Ayesha Sarwar, *Thermodynamics of Generalized Cosmic Chaplygin Gas Model*, Mod. Phys. Lett. A. **31**(2016)1650061 (**World Scientific**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Stellar Filaments in Self-Interacting Brans-Dicke Gravity*, Eur. Phys. J. C **76**(2016)276 (**Springer**).
- Prof. Dr. Muhammad Sharif and Rubab Manzoor, *Instability Analysis of Cylindrical Stellar Object in Brans-Dick Gravity*, J. Exp. Theor. Phys. **122**(2016)849-858 (**Springer**).
- Prof. Dr. Muhammad Sharif and H. Ismat Fatima, *Static Spherically Symmetric Solutions in $f(G)$ Gravity*, Int. 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 and RabiaSaleem and Sidra Mohsaneen, *Warm Gauge-flaton 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 Ayesha Ikram, *Warm Inflation in $f(\mathcal{G})$ Theory of Gravity*, *J. Exp. Theor. Phys.* **123**(2016)40-50 (**Springer**).
- Prof. Dr. Muhammad Sharif and H. 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 $F(T, T_{\mathcal{G}})$ Cosmology*, *Mod. Phys. Lett. A* **31**(2016)1650148 (**World Scientific**).
- Prof. Dr. Malik Zawwar Hussain, Irshad, M., Khalid, S and Sarfraz, M, *Outline Capturing using Rational Functions with the help of Genetic Algorithm*, *Applied Mathematics and Computation*, Vol. **274**, 2016.
- Prof. Dr. Malik Zawwar Hussain, Hussain, M and Sarfraz, M, *Shape-preserving polynomial interpolation scheme*, *Iranian Journal of Science and Technology*, Vol. **40** (1), 2016.
- Prof. Dr. Malik Zawwar Hussain, Mahmood, H., and Hussain, M, *A rational cubic trigonometric approximation scheme of the generalized cornu spirals*, *Springer Plus*, 2016.
- Prof. Dr. Malik Zawwar Hussain, Sarfraz, M., and Samreen, S, *Modeling of 2D Objects with weighted-quadratic trigonometric spline*, *Proc. IEEE 13th International Conference on Computer Graphic, Imaging and Visualization*, 2016.
- Prof. Dr. Muhammad Akram and W.A. Dudek and Murtaza Yousaf, *Self centered interval-valued fuzzy graphs*, *Afrika Matematika*, Vol. **26**, 2015.
- Prof. Dr. Muhammad Akram and Hafiza Raheela Younas, *Certain types of irregular m-polar fuzzy graphs*, *Journal of Applied Mathematics and Computing*, Vol. **51**, 2015.
- Prof. Dr. Muhammad Akram and Fariha Zafar, *On soft trees*, *Buletinul Academiei de Stiinte a Republicii Moldova*, Vol. **2 (78)**, 2015.



- Prof. Dr. Muhammad Akram, A. Nagoorgani and S. Anupriya, Double domination on intuitionistic fuzzy graphs, *Journal of Applied Mathematics and Computing*, Vol. **50**, 2015.
- Prof. Dr. Muhammad Akram and Saira Nawaz, *Operations on soft graphs*, *Fuzzy Information and Engineering*, Vol. **7**, 2015.
- Prof. Dr. Muhammad Akram and Shaista, H, *Decsion-making system for washing machine using AIFNN*, *Mathematical Sciences Letters*, Vol.**4(3)**, 2015.
- Prof. Dr. Muhammad Akram, Nagoor Gani and K.Prasanna Devi, *Bondage and non-bondage number of a fuzzy graph*, *International Journal of Pure and Applied Mathematics*, Vol.**103 (2)**, 2015.
- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *Fuzzy hyper p -ideals of hyper BCK-algebras*, *Filomat*, Vol.**29(8)**, 2015.
- Prof. Dr. Muhammad Akram and Musvarah Sarwar, *An algorithm for computing certain metrics in intuitionistic fuzzy graphs*, *Journal of Intelligent and Fuzzy Systems* Vol.**30**, 2016.
- Prof. Dr. Muhammad Akram and Saira Nawaz, *Fuzzy soft graphs with applications*, *Journal of Intelligent and Fuzzy Systems*, Vol. **30**, 2016.
- Prof. Dr. Muhammad Akram and Rabia Akmal, *Certain operations on bipolar fuzzy graph structures*, *Applications and Applied Mathematics*, Vol. **11(1)**, 2016.
- Prof. Dr. Muhammad Akram and Neha Waseem, *Certain Metrics in m -Polar Fuzzy Graphs*, *New Mathematics and Natural Computation*, Vol. **02**, 2016.
- Prof. Dr. Muhammad Akram and Rabia Akmal, *Application of bipolar fuzzy sets in graph structures*, *Applied Computational Intelligence and Soft Computing*, Vol. **2016**, 2016.
- Prof. Dr. Muhammad Akram and Adeel Farooq, *Bipolar fuzzy trees*, *New trends in mathematical sciences*, Vol. **04**, 2016.
- Prof. Dr. Muhammad Akram and Rabia Akmal, *On m -polar fuzzy graph structures*, Vol. **5 (1)**, Springer Plus, 2016.
- Prof. Dr. Muhammad Akram and Fariha Zafar, *Fuzzy soft trees*, *Southeast Asian Bulletin of Mathematics*, Vol. **40**, 2016.
- Prof. Dr. Muhammad Akram, M.G. Karunambigai and R. Buvaneswari, Strong and superstrong vertices in intuitionistic fuzzy graphs, *Journal of Intelligent and Fuzzy Systems*, Vol. **30**, 2016.
- Prof. Dr. Muhammad Akram, Myithili, K.K. and R. Parvathi, *Certain types of intuitionistic fuzzy directed hypergraphs*, *International Journal of Machine Learning and Cybernetics*, Vol. **7(2)**, 2016.
- Prof. Dr. Muhammad Akram, Al-Shehrie N. O., Davvaz, B. and Ather Ashraf, *Bipolar fuzzy digraphs in decision support systems*, *Journal of Multiple-Valued Logic and Soft Computing*, Vol. **27**, 2016.
- Prof. Dr. Muhammad Akram, A. Nagoor Gani and P. Vijayalakshmi, *Certain types of fuzzy sets in a fuzzy graph*, *International Journal of Machine Learning and Cybernetics*, Vol. **7(2)**, 2016.



- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *Some Results on fuzzy hyper BCK-ideals of hyper BCK-algebras*, Indian Journal of Science and Technology, Vol.8(S3), 2015.
- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *Soft h-ideals of soft BCI-algebras*, Indian Journal of Science and Technology, Vol.8(S3), 2015.
- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *On Some properties of soft α -ideals*, Journal of Applied Mathematics and Informatics, Vol.33, 2015.
- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *Soft BCI-positive implicative ideals of Soft BCI-algebras*, Sci. Math. Jpn.Vol.28, 2015.
- Dr. Muhammad Aslam Malik and Dr. Muhammad Touqeer, *Fuzzy hyper BCK-implicative ideals of hyper BCK-algebras*, Sci. Math. Jpn.Vol.28, 2015.
- Dr. Muhammad Aslam Malik and Musvarah Sarwar, *On the metric dimension of two families of convex polytypes*, Afrika Matematika, Vol. 27, 2016.
- Dr. Muhammad Aslam Malik and M. Asim Zafar, *Certain Types of the Oribits or Real Quadratic Fields by Hecke Groups*, Mathematical Science Letters An International Journal, Vol. 5 (1), 2016.
- Dr. Ghazala Akram and Irfan Ahmad Aslam, *Solution of Fourth order Three-point Boundary Value Problem using ADM and RKM*, Journal of the Association of Arab Universities for Basic and Applied Sciences, Vol. 20, 2016.
- Dr. Khalid Mahmood and Khan, Y.D., *A Novel Technique for the Elucidation of Linear and Quadratic Congruences*, Pakistan Journal of Science, Vol. 67 (03), 2015.
- Dr. Khalid Mahmood and M.R. Khan, Y.D, *An Appraisal Algorithm for Tests of Divisibility Using Modular Arthmetic*, Pakistan Journal of Science, Vol. 67 (04), 2015.
- Dr. Muhammad Khalid Mahmood and Lubna Anwar, *Loops in Digraphs of Lambert Mapping Modulo Prime Powers: Enumerations and Applications*, Advances in Pure Mathematics, Vol. 6(8), 2016.
- Dr. Muhammad Khalid Mahmood and Yaser Daanial Khan, *A Generalized Classification and Enumeration of Orbits of $Q^*(\sqrt{n})$ BY $PSL(2, Z)$* , U.P.B. Sci. Bull., Series A Vol. 78(3), 2016.
- Dr. Nauman Raza, Asma Rashid Butt and Ahmad Javid, *Approximate Solution of Nonlinear Klein-Gordon Equation Using Sobolev Gradients*, Journal of Function Spaces, 2016.
- Dr. Aziz Ullah Awan M. Ozair, Q. Din and T. Hussain, *Qualitative behavior of vector-borne disease model*, Journal of Nonlinear Science and Applications, Vol. 09, 2016.
- Dr. Uzma Ahmad, *The power digraphs associated with generalized dihedral groups*, Discrete Mathematics, Algorithms and Applications, Vol. 07(04), 2015.
- Dr. Uzma Ahmad and S. Husnine, *The Power Digraphs of Safe Primes*, Bull. Iranian Math. Soc. Vol. 42(03), 2016.



- Dr. Uzma Ahmad, A. Sarfraz, M. Imran and N. Farah, *The Omega and Sadhana Polynomials of Nantube $TUC_4[p,q]$* , *Canadian Journal of Chemistry*, Can. J. Chem. Vol. 94, 2016
- Dr. Muhammad Zaeem ul Haq Bhatti and Dr. Zeeshan Yousaf, *Influence of Electric Charge and Modified Gravity on Density Irregularities*, *Eur. Phys. J. C* Vol. 76, 2016.
- Dr. Zeeshan Yousaf and Dr. Muhammad Zaeem ul Haq Bhatti, *Electromagnetic Field and Cylindrical Compact Objects in Modified Gravity*, *Mon. Not. Roy. Astron. Soc.* Vol. 458, 2016.
- Dr. Zeeshan Yousaf, K. Bamba and Dr. Muhammad Zaeem ul Haq Bhatti, *Influence of Modification of Gravity on the Dynamics of Radiating Spherical Fluids*, *Phys. Rev. D* Vol. 93, 2016.
- Dr. Zeeshan Yousaf and Dr. Muhammad Zaeem ul Haq Bhatti, *Cavity Evolution and Instability Constraints of Relativistic Interiors*, *Eur. Phys. J. C* Vol. 76, 2016.
- Dr. Zeeshan Yousaf, K. Bamba and Dr. Muhammad Zaeem ul Haq Bhatti, *Causes of Irregular Energy Density in $f(R,T)$ Gravity*, *Phys. Rev. D* Vol. 93, 2016.

Conferences, Seminars and Workshops, etc.

- Prof. Dr. Muhammad Sharif delivered a talk Stability: Impact of Physical Factors (The International Conference on Gravitation and Cosmology/4th Galilo-Xu Guangoi Meeting, Institute of Theoretical Physics, Beijing, China, May 07, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Gravitational Lensing (Maths Dept PU Lahore, September 02, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Strong Gravitational Lensing of a Spherically Symmetric Black Hole (Spanish Relativity Meeting 2015, UIB, Palma de Mallorca, Spain, September 07, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Warm Inflation with Viscous Pressure (Tjard Matopma; Conference on Space Science and Technology, ISPA University of Karachi, October 05, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Gravitational Lensing in a String Cloud Background (14th Regional Conference on Mathematical Physics, Quaid-i-Azam University Islamabad, November 11, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Inflation: Some Recent Developments (International Conference on Recent Advances in Applied Mathematics, COMSATS, Lahore, December 17, 2015).
- Prof. Dr. Muhammad Sharif delivered a talk Thermodynamics in Modified Gravity (1st International Conference on Pure and Applied Sciences, UMT, Lahore, March 05, 2016).
- Prof. Dr. Muhammad Sharif delivered a talk Spanish Relativity Meeting 2015, UIB, Palma de Mallorca, Spain, September 07-11, 2015.
- Prof. Dr. Muhammad Sharif attended Third National Conference on Space Science and Technology, ISPA, University of Karachi, October 05-06, 2015.



- Prof. Dr. Muhammad Sharif attended a conference 14th Regional Conference on Mathematical Physics, Quaid-i-Azam University Islamabad, November 09-14, 2015.
- Prof. Dr. Muhammad Sharif attended a conference International Conference on Recent Advances in Applied Mathematics, COMSATS, Lahore December 17-18, 2015.
- Prof. Dr. Muhammad Sharif attended a conference 1st International Conference on Pure and Applied Sciences, UMT, Lahore, March 05-07, 2016.
- Prof. Dr. Malik Zawwar Hussain delivered a talk Shape preserving positive trigonometric surfaces in 19th International Conference on Information Visualization, Barcelona, Spain, July 21-25, 2015.
- Prof. Dr. Malik Zawwar Hussain delivered a talk Reverse engineering of planer objects using imperialist competitive algorithm in 19th International Conference on Information Visualization, Barcelona, Spain, July 21-25, 2015.
- Prof. Dr. Malik Zawwar Hussain delivered a talk, Interpolation of discrete time signals using cubic functions in 19th International Conference on Information Visualization, Barcelona, Spain, July 21-25, 2015.
- Prof. Dr. Muhammad Akram attended a conference International conference on Recent Advances in Applied Mathematics, Department of Mathematics, COMSATS Institute of Information Technology, December 17-18, 2015.
- Dr. Muhammad Aslam Malik delivered a talk H -Orbits of $Q(\sqrt{m}) \setminus$ where $H = \langle x, y : x^2 = y^4 = 1, \text{ where } x(x) = -1/\alpha, y(\alpha) = -1/\alpha + 1 \rangle$, 1st UMT International Conference on Pure and Applied Mathematics, March 5-7, 2016.
- Dr. Ghazala Akram delivered a talk International Conference on Recent Advances in Applied Mathematics, COMSATS Institute of Information Technology, Department of Mathematics, Lahore (December 17-, 18, 2015).
- Dr. Ghazala Akram attended a conference 1st UMT International Conference in Pure and Applied Science 2016(1st UICPAS) March 5-7, 2016.
- Dr. Muhammad Riaz delivered a talk Trace classes in the modular group and orbits of an invariant subset $Q \sqrt{k^2 m}$ at 1st UMT International Conference on Pure and applied Sciences 2016 (March 05-07, 2016), CMAP, University of Management and technology, Lahore, Pakistan.
- Dr. Muhammad Riaz delivered a talk in the departmental seminar series on Inequalities involving the norms of some special matrices, on February 03, 2016.
- Dr. Muhammad Riaz, delivered a talk on Certain Properties of soft Metric Spaces at International conference on Recent Advances in Applied Mathematics (17-18 December, 2015) COMSATS Lahore, Pakistan.
- Dr. Muhammad Riaz delivered a talk on Some Inequalities on Generalized Tribonacci and Generalized Pell Padovan Sequence at 16th International Conference of Pure Mathematics (21-23 August, 2015), Margala Hotel, Islamabad, Pakistan.



- Dr. Nauman Raza delivered a talk entitled Applications of Shape Derivatives for Vortex Rings in an International Conference on Pure and Applied Mathematics, organized by University of Management and Technology Lahore; March 2016.
- Dr. Nauman Raza attended a conference international conference entitled “CASM International Conference on Differential Equations and Applications” organized by center for Advanced Studies in Mathematics, Lahore University of management Sciences Lahore; May 2016.
- Dr. Nauman Raza attended a conference national conference entitled “Recent Advances in Mathematical Methods, Models & Applications” organized by Centre for Mathematics and Statistical Sciences, Lahore School of Economics; April 2016.
- Dr. Aziz Ullah Awan attended a conference World Quality Day, University of the Punjab, Lahore (April 05, 2016).
- Dr. Aziz Ullah Awan attended a conference 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore (March 2015).
- Dr. Uzma Ahmed delivered a talk in 48th southeastern International Conference on Combinatorics, Graph Theory and Computing (March 7-11, 2016).
- Dr. Uzma Ahmed delivered a talk in 25th British Combinatorial Conference International Workshop on Discrete Structures 2015 held at Mathematics Institute of University of Warwick, Coventry, United Kingdom from July 6-10.
- Dr. Saima Arshed delivered a talk Numerical Solution of Fractional Diffusion Wave Equation Department of Mathematics, University of the Punjab, Lahore (December 02, 2015).
- Dr. Saima Arshed delivered a talk Numerical Solution of Fractional Diffusion Wave Equation 1st UMT International Conference on Pure and Applied Sciences (March 05-07, 2016).
- Dr. Muhammad Zaeem ul Haq Bhatti delivered a talk Role of Some Physical Factors on the Stability of Collapsing System in an International Conference named 14th Regional Conference on Mathematical Physics at Quaid-i-Azam University Islamabad, Pakistan during November 09-14-2015.
- Dr. Muhammad Zaeem ul Haq Bhatti delivered a talk Irregularity Factors for Collapsing Systems in an International Conference named International Conference on Recent Advances in Applied Mathematics at COMSATS Institute of Information Technology, Lahore, Pakistan during December 17-18, 2015.
- Dr. Muhammad Zaeem ul Haq Bhatti delivered a talk Energy Density Inhomogeneity in Self-Gravitating Stars in an International Conference named “1st UMT International Conference on Pure and Applied Sciences” at University of Management and Technology, Lahore, Pakistan during March 05-07, 2016.
- Dr. Muhammad Zaeem ul Haq Bhatti attended a conference 14th Regional Conference on Mathematical Physics, QAU, Pakistan.



- Dr. Muhammad Zaeem ul Haq Bhatti attended a conference International Conference on Recent Advances in Applied Mathematics, COMSATS Lahore, Pakistan.
- Dr. Muhammad Zaeem ul Haq Bhatti attended a conference 1st UMT International Conference on Pure and Applied Sciences, UMT, Lahore, Pakistan.
- Dr. Zeeshan Yousaf delivered a talk Unstable Phases of Collapsing Models” at 1st UMT International Conference in Pure and Applied Science, Centre for Mathematics and its Applications, University of Management Technology, Lahore; March 05–07, 2016.
- Dr. Zeeshan Yousaf delivered a talk Causes of Inhomogeneous Energy Density in Relativistic Fluids with $f(R)$ Background at 14th Regional Conference on Mathematical Physics, Department of Mathematics, Quaid–i–Azam University, Islamabad; November 09–14, 2015.
- Dr. Zeeshan Yousaf delivered a talk Compact Stars and their Evolution at International Conference on Recent Advances in Applied Mathematics, Department of Mathematics, COMSATS Institute of Information Technology, Lahore; December 17–18, 2015.
- Dr. Zeeshan Yousaf delivered a talk Unstable Phases of Collapsing Models at 1st UMT International Conference in Pure and Applied Science, Centre for Mathematics and its Applications, University of Management Technology, Lahore; March 05–07, 2016.
- Dr. Zeeshan Yousaf attended a conference 14th Regional Conference on Mathematical Physics, QAU, Islamabad– Pakistan.
- Dr. Zeeshan Yousaf attended a conference International Conference on Recent Advances in Applied Mathematics, Department of Mathematics, COMSATS Institute of Information Technology, Lahore–Pakistan.
- Dr. Zeeshan Yousaf attended a conference 1st UMT International Conference in Pure and Applied Science, Centre for Mathematics and its Applications, University of Management Technology, Lahore–Pakistan.
- Miss Saadia Mumtaz delivered a talk Stability Analysis: An Overview General Relativity at Department of Mathematics, University of the Punjab, Lahore (October 07, 2015)
- Miss Saadia Mumtaz delivered a talk Stability of Thin-Shell Wormholes in 14th Regional Conference on Mathematical Physics held at Quaid e Azam University, Islamabad, Pakistan (November 09-14, 2015).
- Miss Saadia Mumtaz attended a conference 14th Regional Conference on Mathematical Physics Quaid e Azam University, Islamabad (November 09-14, 2015).
- Miss Iqra Nawazish delivered a talk Chaotic Inflation in $f(R)$ Gravity in 14th Regional Conference on Mathematical Physics, Quaid e Azam University, Islamabad November 10, 2015.
- Miss Kanwal Nazir delivered a talk Cosmological Evolution, Department of Mathematics, University of the Punjab, Lahore. December, 2015.
- Miss Sobia Sadiq attended a conference 14th Regional Conference on Mathematical Physics, Quaid e Azam University, Islamabad, November 09-14, 2015.



- Miss Ayesha Ikram delivered a talk “Warm Inflation of $f(G)$ Gravity” in the 14th Regional Conference on Mathematical Physics (November 13, 2015).
- Miss Ayesha Ikram delivered a talk Inflation and $f(G)$ Theory of Gravity in the weekly departmental seminar series on January 13, 2016 at Department of Mathematics, University of the Punjab, Lahore.
- Miss Ayesha Ikram attended a conference the “14th Regional Conference on Mathematical Physics, Quaid e Azam University, Islamabad, November 09-14, 2015
- Miss Musavarah Sarwar delivered a talk in the departmental seminar series at Department of Mathematics, University of the Punjab Lahore held on 25th November 2015 on the topic An algorithm for computing certain metrics in intuitionistic fuzzy graphs.
- Miss Musavarah Sarwar delivered a talk An algorithm for computing certain metrics in intuitionistic fuzzy graphs. International Conference on Recent Advances in Applied Mathematics Held on December 17-18, 2015 at CIIT COMSATS, Lahore.
- Miss Musavarah Sarwar delivered a talk m-polar Fuzzy Graphs 1st UMT International Conference on pure and Applied science at UMT, Lahore.
- Mr. Sajjad Ali attended a conference 1st UMT International conference on Pure and Applied Mathematics (Centre for Mathematics its Applications, March 05-7, 2016.
- Mr. Sajjad Ali attended a conference on Recent Advance Mathematical Method, Models and Application, Lahore School of Economics, Main Campus Burki Road, Lahore(April, 9-10-2016).
- **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. Four (04) research papers have been published in National and Internal Research Journals by the faculty members in the last academic year and many are submitted.

- **Projects:** Completed: 04
 - Dr. Muzaffar Bashir
 - Dr. Ramoona Shehzadi
 - Dr. Farzna Tareen
 - Dr. Mahmood-ul Hassan(Jr)
- **Publications**
 - Munazza Zulfiqar Ali , S. Mahmood, S. Sadiq, Q.Haque (2016) Arbitray amplitude electrostatic wave propagation-Physics of Plasmons (Published 16 June 2016) (IF 2.142)
 - Dr. Farzana Majid (2016) Structural dielectric and magnetic properties of sol-gel synthesized Bi Lax feo3 magnatisim
 - Dr. Athar Javed (2016) The effect of vacuum annealing on the microstructure, mechanical and electrical properties of tantalum thin films Int. J. Ref. Metals and Hard Materials(IF 2.155)
 - Mahmood-ul Hassan (2016) Investigation of ferromagnetic semiconductor and ferromagnetic properties of $Zn_{1-x}MX_x$ alloys: A DFT BJ approach, current applied physics (IF 1.971)
- **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

○ **Publications**

- 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
- 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)
 - 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.*

▪ Shahid Parvez

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

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 Projected 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, Physical Chemistry, Institute of Chemistry, University of the Punjab, Lahore.
 - **Publications (Books/Edited)**
04 books/edited during the year 2015-16.
 - **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 34 graduates of B.S. Applied Geology and 07 M.Phil. Applied Geology program in the discipline of Geology during the academic year 2015-16.

▪ **Project: Completed**

During the report period 2015-16 following research projects have been completed by the faculty members at the Institute.

Sr. No.	Projects Title	Investigator	Amount (Rs. million)	Sponsoring Agency	Duration (year)
1.	Geospatial and Multi-Criteria Approaches for the Determination of Urban Parks in Sheikhpura City.	Prof. Dr. Sajid Rashid Ahmad	0.250	University of the Punjab, Lahore	01 year
2.	Sedimentary Geology of the Early Permian Tobra Formation, Central Salt Range, Pakistan	Prof. Dr. Shahid Ghazi	0.250	-do-	-do-
3.	Biostratigraphy of the Eocene Kuldana Formation of Potowar Area, Northern Pakistan	Dr. Shahid Jamil Sameeni	0.200	-do-	-do-
4.	Sedimentology of Lockhart Formation, Hazara-Kashmir Basin, NW Himalaya Pakistan	Dr. Naveed Ahsan	0.200	-do-	-do-
5.	Sedimentology and Biostratigraphy of the Margalla Hill Limestone, Margalla Hills, Northern Pakistan	Dr. Kamran Mirza	0.150	-do-	-do-
6.	Petrological Implications of Xenoliths in Mansehra Granite, Less.	Dr. Mustansar Naeem	0.150	-do-	-do-
7.	Rock Physics and Seismic attribute for Assessment of Shale Gase	Dr. Pervez Khalid	0.150	-do-	-do-
8.	Hydrogeological and Geophysical Investigation to Characterize Groundwater Potential in Alluvial aquifer of Fateh Jang, Potwar Plateau, Pakistan	Mr. Zia ud Din	0.150	-do-	-do-
9.	Stability Assessment of Dewal Landslide along Murree-Muzaffarabad Road, Pakistan	Dr. Sohail Akram	0.150	-do-	-do-
10.	Sedimentology of the Datta Formation with Special Emphasis on Jurassic From Salt Range, Pakistan	Mr. Shahid Ali	0.125	-do-	-do-



11.	Biostratigraphy of the Paleocene Patala Formation of Jabri Area, Hazara, Northern Pakistan.	Mr. Adnan Abdul Karim	0.125	-do-	-do-
12.	Chemical Framework of Sakesar Limestone, Central Salt Range, Pakistan	Ms. Mehwish Akram	0.125	-do-	-do-
13.	Landslide Susceptibility and Hazard Zonation Mapping of Kohala-Muzaffarabad Road, Pakistan.	Mr. Salman Farooq	0.125	-do-	-do-
14.	Evaluation of Jhelum River Aggregate as a Suitable Construction Material for Normal Weight concrete.	Mr. Muhammad Sanaullah	0.125	-do-	-do-

Project: Newly launched

During the report period 2015-16 following research projects have been initiated 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, Kala Chitta, 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 Malchase 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

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.	S. Rizwan, S. R. Ahmad, Sameeni, S.J. & B. Anam	Application of Geospatial Technology in the determination of Neotectonics of Chitral Valley, Hindu Kush Area, Northern Pakistan	Sci. Int. (Lahore)	28 (1)	1.365			
2.	Rizwana H., M. A. Kazmi & Sameeni, S.J.	How Performance Appraisals Hurt Quality	Sci. Int. (Lahore)	28 (1)	1.365			
3.	Rafi M., Sameeni, S.J. & Lodhi K. K.	Industrial utilization of Permian Wargal Limestone of Dhokri area, Central Salt Range, Pakistan.	Sci. Int. (Lahore)	28 (5)	1.365			
4.	Sharjil J., Lodhi K. K. and Sameeni S.J.	Biostratigraphy of Kuldana Formation, Choregali Pass, Khair-e-Murat area, Northern Pakistan.		35				3rd International Geo-Cultural Symposium, 13-15 May 2016, Chaina, Crete, Greece
5.	S. Akram, M. Zeshan	Geotechnical assessment for weir foundation incorporating rock mass rating (RMR) and geological strength index (GSI) classification systems of a small hydropower project, district Shangla-Pakistan.	Science International Journal	28 (6)	1.365			
6.	Ahmed N., Ghazi S., Khalid P.	On the variation of b-value for Karachi region, Pakistan through Gumbel's extreme distribution method	Acta Geodaetica et Geophysica	51 (2)	0.794			
7.	Ghazi S., Khalid P., Aziz T., Sajid Z., and Hanif T.	Petrophysical analysis of a clastic reservoir rock: a case study of the Early Cambrian Khewra Sandstone, Potwar Basin, Pakistan.	Geosciences Journal	20 (1)	1.095			
8.	Khalid P., Bajwa A.A., Naeem M., and Din Z.U.	Seismicity distribution and focal mechanism solution of major earthquakes of northern Pakistan.	Acta Geodaetica et Geophysica	51 (3)	0.794			



9.	Khalid P., Ahmed N.	Modulus Defect, Velocity Dispersion and Attenuation in Partially-Saturated Reservoirs of Jurassic Sandstone, Indus Basin, Pakistan	Studia Geophysica et Geodaetica	60 (1)	0.764			
10.	Naeem M., Burg JP., Ahmad N., Chaudhry, M.N., Khalid P.	U-Pb zircon systematics of the Mansehra Granitic Complex: implications on the early Paleozoic orogenesis in NW Himalaya of Pakistan	Geosciences Journal	20 (4)	1.095			
11.	Khalid P., Ahmed N., Mahmood A., Saleem M.A., Hassan	An Integrated Seismic Interpretation and Rock Physics Attribute Analysis for Pore Fluid Discrimination in Reservoir Interval	Arabian Journal for Science and Engineering	41 (1)	0.864			
12.	Khalid P., Ali T., Ahmad S.R., Akhtar S.	Differentiation of Pore Fluids Using Amplitude versus Offset Attributes in Clastic Reservoirs, Middle Indus Basin, Pakistan	Arabian Journal for Science and Engineering	41 (6)	0.864			
13.	Ahmed N., Khalid P., Ghazi S., Anwar A.W.	AVO forward modeling and attributes analysis for fluid identification: A case study	Acta Geodaetica et Geophysica	50 (4)	0.528			
14.	Azeem T., Yanchun W., Khalid P., Y uan F., and Lifang C.	An application of seismic attributes analysis for mapping of gas bearing sand zones in the sawan gas field, Pakistan.	Acta Geodaetica et Geophysica	51 (4)	0.794			
15.	Ehsan M.I., Khalid P., Ahmed N., Din Z.U., and Wei L.X.	An application of AVO derived attributes to analyze seismic anomalies of gas hydrate bearing sediments in Makran offshore, Pakistan.	Acta Geodaetica et Geophysica	51 (4)	0.794			
16.	Ehsan M.I., Khalid P.,	Effect of organic richness on petrophysical and seismic properties of paleocene shales of upper indus basin Pakistan						70th Geological Congress of Turkey, at Ankara, Turkey.
17.	Miraj, M. A. F. (1,3), Pascal, C., Gabrielsen, R. H., and Faleide, J. I.	Numerical Modelling of multi-stage basin inversion in the western Barents Shelf						Conference
18.	Sanaullah, M. Anjum, W. A., Ahmad, S. R., Majid, Z. and Mirza, K.	Geographic Information System and Modeling Approach For Groundwater Systems Of Rechna Doab, Pakistan, Pakistan Journal of Science.	Pakistan Journal of Science	68 (4)		X		



19.	Sanaullah, M., Akram, M. and Dawood, B.	Post Flood Water Quality Discrepancies in Physico-chemical Scenarios, Sialkot, Pakistan.	Int'l Journal of Advances in Agricultural & Environmental Engg. (IJAAEE)	3 (1)				
20.	Ahmed N., Khalid P., Anwar A.W.	Rock physics modeling to assess the impact of spatial distribution pattern of pore fluid and clay contents on acoustic signatures of partially-saturated reservoirs	Acta Geodaetica et Geophysica	51 (1)	0.794			
21.	Ehsan M.I., Ahmed N., Khalid P., Wei L.X., and Naeem M.	An application of rock physics modeling to quantify the seismic response of gas hydrates bearing sediments in Makran accretionary wedge, offshore, Pakistan	Geosciences Journal	20 (3)	1.095			
22.	Ehsan, M. I., Khalid, P., Ahmed, N., You, J., Liu, X. and Azeem, T.	Seismic Attenuation and Velocity Dispersion to Discriminate Gas Hydrates and Free Gas Zone, Makran Offshore, Pakistan	International Journal of Geosciences	7 (8)	0.8			
23.	Ahmed, N. and Khalid, P.	Combining rock physics simulation and Gaussian statistical technique to identify Fizz water and gas saturated reservoirs						35 th International Geological Congress (IGC), Cape Town, 27 August – 04 September 2016
24.	Ahmed, N.	An application of amplitude versus offset (AVO) modeling and Gassmann fluid substitution to discriminate reservoir fluids and lithology: A development of MATLAB code						SPE-PAPG Annual Technical Conference, Islamabad, Pakistan, 22 – 23 Nov. 2016
25.	Ahmed, N.	Seismic Signature Of Sediments Bearing Gas Hydrates In Makran Accretionary Prism, Offshore, Pakistan: An Application Of Effective Medium Theory						SPE-PAPG Annual Technical Conference, Islamabad, Pakistan, 22 – 23 Nov. 2016



26.	Ahmed, N.	A Statistical Analysis and Numerical Modeling for Reservoir Characterization of Cretaceous to Cambrian Succession, Indus Basin, Pakistan						International conference on Earth Sciences Pakistan, 15 – 17 July 2016
27.	Ahmed, N.	Investigation of hydrogeological and geophysical subsurface conditions to delineate ground water system in Bahawalpur District, Punjab, Province, Pakistan						International conference on Earth Sciences Pakistan, 15 – 17 July 2016
28.	Ahmed, N.	Impact of gas hydrates formation pattern on seismic and elastic properties of host sediment, Makran offshore area, Pakistan						International conference on Earth Sciences Pakistan, 15 – 17 July 2016
29.	Ahmed, N.	Differentiation Of Reservoir Fluids By Applying Geostatistical Techniques In The Basal Sand Of Lower Indus Basin Pakistan						Geophysics towards Sustainable Development of Thailand and AEC, 14 – 15 Jan. 2016
30.	Ahmed, N.	A Modified Rock Physics Model to Improve Seismic Characterization of Jurassic Reservoirs, Pakistan						Geophysics towards Sustainable Development of Thailand and AEC, 14 – 15 Jan. 2016

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

- **Organized:** The Institute of Geology has organized following seminars and workshops during the academic year 2015-16.
 - One day workshop on “Gas Shale: Microstructural approach” organized by Pakistan Association of Petroleum Geoscientists (PAPG) on 16th October 2015.
 - 02-Day Workshop on “Play and Prospect Analysis in Petroleum Exploration” organized by Pakistan Geophysical Network (PGN) from 5-6 November 2015.
 - One day workshop on “Well Site Familiarization & Mud Logging Techniques” organized by Pakistan Association of Petroleum Geoscientists (PAPG) on 11th November 2015.
 - One day workshop on “introduction of LWD/MWD Drilling Techniques” organized by Pakistan Association of Petroleum Geosciences (PAPG) on 19th November 2015.



- One day workshop on “Unconventional Play Exploration: What We Need to Know?” organized by Pakistan Association of Petroleum Geosciences (PAPG) on 14th December 2015.
- One week intensive course on Preparation of Geological Maps in GIS Environment from January 25-29, 2016.
- One day workshop on Seismic stratigraphy Application in stratigraphic traps, prospect generation and risk Assessment; future direction for exploration organized by Pakistan Association of Petroleum Geosciences (PAPG) on 29th January 2016.
- One day workshop on “High Resolution Biostratigraphy and Carbonate Microfacies” organized by Pakistan Association of Petroleum Geosciences (PAPG) on 4th February 2016.
- Participated
 - Dr. Shahid Jamil Sameeni participated in 3rd International Geo-Cultural Symposium from 13-15 May 2016 in Chania, Crete, Greece.
 - Mr. Muhammad Sanaullah, participated and presented paper in the Wageningen Soil Congress, at the Wageningen University Campus, Netherlands from August 23-27, 2015.
 - Mr. Muhammad Sanaullah participated in “IACEEE International conference, UAE” from Jan 10-11, 2016.
 - Mr. Muhammad Sanaullah participated in One week intensive course on “Preparation of Geological Maps in GIS Environment” from January 25-29, 2016.
 - Mr. Muhammad Sanaullah participated in “World quality Day” on April 5, 2016.
 - Mr. Muhammad Sanaullah participated in “National Training workshop on Instrumental Techniques for Monitoring of Hydro-Pollutants in Environment” PINSTECH, Islamabad from May 10-12, 2016.
- **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 - An Overview**

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**

Sr. No.	Name of Author	Title of Paper/Article
1	Nida Samad, Muhammad Hamid Chauhdry, Muhammad Ashraf, Muhammad Saleem, Qudsia Hamid, Umair Babar, Hassan Tariq, Muhammad Shahid Farid	Sediment yield assessment and identification of check dam sites for Rawal Dam catchment
2	Zobia Suhail, Masnoor Sarwar, Kashif Murtaza	Automatic detection of abnormalities in mammograms
3	Shaista Habib, Muhammad Akram, Ather Ashraf	Fuzzy Climate Decision Support Systems for Tomatoes in High Tunnels
4	Asif Sohail	A Proficient Cost Reduction Framework for De-duplication of Records in Data Integration
5	Asif Sohail	A Proficient Cost Reduction Framework for De-duplication of Records in Data Integration
6	Muhammad Ali and Hassan Foroosh	A Holistic Method to Recognize Characters in Natural Scenes
7	Muhammad Ali and Hassan Foroosh	Character Recognition in Natural Scene Images using RANK-1 Tensor Decomposition
8	Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto	Panorama view with spatiotemporal occlusion compensation for 3D video coding
9	Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto	Objective Quality Metric for 3D Virtual Views



10	Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto	Blind Depth Quality Assessment using Histogram Shape Analysis
11	Muhammad Shahid Farid, Arif Mahmood, Marco Grangetto	Image de-fencing framework with hybrid inpainting algorithm
12	Nida Samad, Muhammad Hamid Chaudhry, Muhammad Ashraf, Muhammad Saleem, Qudsia Hamid, Umair Babar, Hassan Tariq, Muhammad Shahid Farid	Sediment yield assessment and identification of check dam sites for Rawal Dam catchment
13	Qudsia Hamid, Muhammad Hamid Chaudhry, Shaker Mahmood, Muhammad Shahid Farid	Arc GIS and 3D Visualization of Land Records: A Case Study of Urban Areas in Punjab
14	Muhammad Hassan Khan, Kimiaki Shirahama, Muhammad Shahid Farid, Marcin Grzegorzek	Multiple Human Detection in Depth Images
15	M. S. Farash, O. Nawaz, K. Mahmood, S. A. Chaudhry, and M. K. Khan, "A	Provably Secure RFID Authentication Protocol Based on Elliptic Curve for Healthcare Environments," <i>Springer Journal of Medical Systems</i> , vol. 40, no. 7, p. 165, May 2016
16	A. Irshad, M. Sher, O. Nawaz, S. A. Chaudhry, I. Khan, and S. Kumari,	"A secure and provable multi-server authenticated key agreement for TMIS based on Amin et al. scheme," <i>Springer Multimedia Tools and Applications</i> , pp. 1–27, Oct. 2016. (Impact Factor: 1.331)
17	Asif Sohail, Muhammad Murtaza Youaf	"A Proficient Cost Reduction Framework for De-Duplication of Records in Data Integration"
18	Laeq Aslam, Shahzad Sarwar, Muhammad Murtaza Yousaf, Waqar ul Qounain	"Cycle Discrepancy of d-Colorable Graphs"

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 30 M. Phil and 06 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.
- **Projects:** Newly Launched
Currently 08 M. Phil and 03 Ph. D students of different other departments and Universities are using Laboratories of School of Physical Sciences in their research projects.
- **Publications:** Books /Edited
 - "Influence of Aluminum Incorporation on Iron Oxide nanoparticles for High Frequency Applications". Saira Riaz, Asif Hussain, Yan-Jun Guo, M. Khalee-ur-Rehman, and Shahzad Naseem.
In World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16). 2016
 - "Structural and complex impedance spectroscopic studies of Mg-substituted CoFe_2O_4 ." Zahoor Ahmad, Shahid Atiq, S. Kumail Abbas, Shahid Mahmood Ramay, Saira Riaz, and Shahzad Naseem.
Ceramic International 42(2016) 18271-18282.
 - "Impedance Analysis of Magnesium Doped Hematite Thin Films". Asey Akbar, Saira Riaz, Shahid Atiq, Javaid Iqbal, and Shahzad Naseem.
In World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16). 2016.
 - "Thickness Dependent Magnetic and Dielectric Behavior of Iron Oxide Thin Films." Saira Riaz, Asey Akbar, Shahid Atiq, S. Sajjad Hussain, and Shahzad Naseem.
In World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16). 2016.
 - "Structural and impedance spectroscopic analysis of Sr/Mn modified BiFeO_3 multiferroics." Muhammad Amin, Hafiz Muhammad Rafique, Muhammad Yousaf, Shahid Mahmood Ramay, and Shahid Atiq.
Journal of Materials Science: Materials in Electronics 27 (2016) 11003-11011.
 - "Effect of 3d-Metal Doping on Ferromagnetic and Dielectric Properties of magnetite Thin Films." Asey Akbar, Saira Riaz, Shahid Atiq, Zohra N. Kayani, and Shahzad Naseem.



In World Congress on Advance in civil, Environmental and Materials Research (ACEM'16). 2016.

- "Frequency and temperature dependent electro active regions in SrMnO_3 ." Shahid Atiq, S. Kumail Abbas, Saira Riaz, and Shahzad Naseem.

In World Congress on Advances in Civil, Environmental and Materials Research (ACEM'16) 2016.

- "Structural and dielectric properties of sol-gel synthesized (Mn, Cu) co-doped BiFeO_3 ceramics." Ayesha Khalid, Maryam Ali, Ghulam M. Mustafa, Shahid Atiq, Shahid M. Ramay, Asif Mahmood, and Shahzad Naseem.

Journal of Sol-Gel Science and Technology 80(2016) 814-820.

- Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO_3 multiferroic nanoparticles." Ayesha Khalid, Shahid Atiq, Shahid M. Ramay, Asif Mahmood, Ghulam M. Mustafa, Saira Riaz, and Shahzad Naseem.

Journal of Materials Science: Materials in Electronics 27, no. 9 (2016): 8966-8972.

○ **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 PCR Machine. Held on 2nd April, 2016.
- 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.

○ **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.



Punjab University Gujranwala Campus

▪ R & D – An Overview

The faculty members got their 15 research papers published in international journals. They also participated in 2 international conferences for presentation of their research papers.

○ Publications

- Shahid Manzoor; Erik Bongcam-Rudloff; Anna Schnürer; Bettina Müller, (2016) Genome-Guided Analysis and Whole Transcriptome Profiling of the Mesophilic Syntrophic Acetate Oxidising Bacterium Syntrophaceticus schinkii. PLoS ONE 11(11): e0166520. doi:10.1371/journal.pone.0166520.
- Manzoor S., Müller B., Niazi A., Schnürer A., Bongcam-Rudloff E. Working draft genome sequence of the mesophilic acetate oxidizing bacterium Syntrophaceticus schinkii strain Sp3. Stand Genomic Sci. 2015 Nov 11;10:99. doi: 10.1186/s40793-015-0092-z. eCollection 2015.
- Müller B., Manzoor S., Niazi A., Bongcam-Rudloff E., Schnürer A. Genomeguided analysis of physiological capacities of Tepidanaerobacter acetatoxydans provides insights into environmental adaptations and syntrophic acetate oxidation. PLoS One. 2015 26;10(3):e0121237. doi: 10.1371/journal.pone.0121237. eCollection 2015.
- Dr. Naveed Iqbal Chaudhry, Irfana Shah, Hakim Ali Mahesar & Usman Tariq (2015) Impact of Downsizing on Employee Commitment and turnover intentions in Public and Private Sector: Moderating Role of Social Support, Journal of Independent Studies and Research-Management, Social Sciences and Economics (JISR-MSSE), Vol.3, No.2, pages 35-47 (Recognized “Y” Category by HEC)
- Dr. Naveed Iqbal Chaudhry & Usman Tariq (2015) Assessing the Role of Private Investment and Globalization in Economic Growth of Pakistan: A Foreign Direct Investment Perspective, The Journal of Commerce, (2015) Vol.7, No.3, pages 20 (Recognized by HEC)
- Hakim Ali Mahesar, Abdul Wahid Zehri, Afifa Zafar & Dr. Naveed Iqbal Chaudhry (2015) Impact of Capital Structuring on the Financial Risk: A Study on the Listed Companies in Pakistan, Bi-Annual Research Journal “BALOCHISTAN REVIEW” VOL. XXXIII NO. 2, Recognized “Z” Category by HEC)
- Mahesar Hakim Ali, Dr. Naveed Iqbal Chaudhry & Hira Hafeez (2015) Consequences of Discretionary and Non-Discretionary HR Practices on the Banking Sector of Pakistan, Grassroots, (2015), Vol. 49, No 2, Pages 89-99. (Recognized “Z” Category by HEC)
- Dr. Naveed Iqbal Chaudhry Chaudhry, Dr. Hakim Ali Mahesar, Usman Tariq & Dr. Mushtaque Ali Jareko, (2016) Assessing the Role of Emotional Stability and Employee Motivation in Declined Job Performance: Role of Job Stress in Health Care Sector, The Shield-International Journal of Physical Education & Sports Science, Volume XI; Issue I., (Recognized “Y” Category by HEC).



- Dr. Naveed Iqbal Chaudhry, Muhammad Usman Awan & Usman Tariq Bhatti (2016) Role of Appraisal Politics and Impression Management in Turnover of Dis-Satisfied Employees: Empirical Evidence from the Public Sector of Pakistan, *Journal of Quality and Technology Management (JQTM)*, Vol. 12, June 2016, Pages 91 – 119. (Recognized “X” Category by HEC)
- Dr. Naveed Iqbal Chaudhry & Usman Tariq Bhatti (2016) The destruction of gross domestic product and foreign direct investment in Pakistan: a case of economic downfall, *Academic Research International*, Volume7, issue (2), Pages 308-322. June 2016. (Recognized by HEC).
- Jamil, F., Ismail, K., Siddique, M., Khan, M. M., Kazi, A. G., & Qureshi, M. I. (2016). Business incubators in asian developing countries. *International Review of Management and Marketing*, 6(4S).
- Sanil, H. S., Ramakrishnan, S., Alwethainani, M., Kazi, A. G., & Siddique, M. (2016). Effectiveness of Supply Chain Management with Reference to Apparel Industry: A Case Study in India. *International Review of Management and Marketing*, 6(4S).
- **Conferences, Seminars and Workshops, etc.**
 - Dr. Naveed Iqbal Ch. presented research paper on Analysing the Interaction among Factors Hindering the Growth of SMEs: Evidence from Cutlery Sector of Pakistan, Paper presented at the First SME’s conference, May 2016, Pearl Continental Hotel Lahore Pakistan (*Declared as the best paper*).

Punjab University Jhelum Campus

○ **Research & Development – An Overview**

The faculty members got their 15 research papers published in international journals. They also participated in 2 international conferences for presentation of their research papers.

○ **Publications**

- Wahab Shehbaz, Dr. Muhammad Mudasar Ghafoor, (2015), “Role stress and job satisfaction: A case study of personnel of water and sanitation agencies of Punjab, Pakistan”, *International Journal of Sciences: Basic and Applied Research*, Vol. 4, Issue. 3, pp. 153-158. Amman – Jordan, Impact Factor 0.227, (Recognized by HEC). Access at 10.20 a.m. <http://gssrr.org/index.php?journal=journalofbasicandapplied>.
- Dr. Yasin Munir, Dr. Muhammad 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. Muhammad 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.



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**

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:-

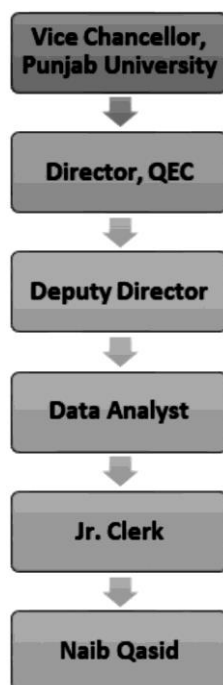
- Purpose identification
- Outcomes identification
- Measurements and evaluation design
- Data collection
- Analysis and evaluation
- Decision-making regarding actions to be taken

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 University of the Punjab 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.
- Enhances effectiveness of the output.
- Verifies 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 and 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 the heads of departments and Deans of all the faculties. QEC is contributing in creating awareness by providing training in cluster of program teams.

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	67
• No. of SARs submitted	45
• No. of ATs formed	37
• No. of ATs visits to different departments	37
• No. of submission of AT reports	28
• No. of Exit meeting of AT with the Dean & PTMs	28
• No. of audits completed of different departments	38
• No. of submission of Implementation plans to VC	35
• 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	Date and Ref #
1.	Minutes of Meeting for expediting self assessment activities & awareness about T & C evaluation	Faculty of Commerce	Self assessment activities	D/100/QEC Dated:10-08-2015
2.	Minutes of Meeting for expediting self assessment activities & awareness about T & C evaluation	Faculty of Behavioral & Social Sciences	Self assessment activities	D/38/QEC Dated:23-05-2016

b. Self-Assessment Exercise

Self-assessment reports of the following departments will be 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	Report finalized (Date)
1	Faculty of Behavioral & Social	Awaited	Awaited	Awaited	Awaited	Awaited	Awaited	Awaited

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	APQN 2016 Conference & AGM Natadola, Fiji	26-27-May-2016	Paper Presentation on "Impact of Self-Assessment Process at University of the Punjab"



2	Celebration of World Quality Day at University of the Punjab	5 th April, 2016	World Quality Day” was celebrated in Punjab University in collaboration with Virtual University of Pakistan on 22nd December, 2014. Vice Chancellor, University of the Punjab “Prof. Dr. Mujahid Kamran” was the Chief Guest and Rector Virtual University of Pakistan “Prof. Dr. Naveed A. Malik” was the Guest of Honor in the event. Registrars of both universities, QEC Heads of various universities of Lahore, heads of departments, faculty members of both universities participated in the event.
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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

DEPARTMENT OF POLITICAL SCIENCE

○ **Membership of Associations / Networks**

Prof. Dr. Umbreen Javaid, is member of the following governing bodies and associations in and outside Punjab University.

- Member, Editorial & Advisory Board of Journal of Research Society of Pakistan, University of the Punjab, Lahore (06-08-2015 to date).
- Member of Advisory board of National Centre for Maritime Policy Research (NCMPR).



- Member of Board of Referees/Advisory Board of the Journal titled. "Professional Research in Social Sciences," Centre for Research and Development, Minhaj University Lahore. (13-01-2015)
- Member of the Editorial Advisory Board of the Journal titled "Tigah, a Journal for Peace and Development" Royal Danish Embassy, Islamabad, Pakistan.
- Editorial Board Member of Journal of Political Geography Research Quarterly, Faculty of Geography, University of Tehran, Enghelab Avenue, Tehran, IRAN
- Editorial Board Member of Journal of Pro-Poor Growth, An International Perspective, ISSN: 2305-1669, Department of Management Sciences, Room No. 307, Block A, COMSATS Institute of Information Technology, Abbottabad. Pakistan for 2 years beginning January 01, 2013, and ending December 31, 2015.
- Member, Faculty Board of Economics and Management, University of the Punjab, Lahore.
- Member, PUASA Elections Committee, University of the Punjab, Lahore (Order No. D/533/FBSS, Dated 20-01-2015), 2015
- Member, Grant of Advance/Annual Increments to the Faculty Members working under TTP, PU, Lahore
- Member, Inquiry Committee, University of the Punjab, Lahore
- Member, Fact finding committee, University of the Punjab, Lahore.
- Member, Employees efficiency Discipline & Accountability, University of the Punjab, Lahore.
- Member, Finance and Planning Committee for a period of three years
- Member, Board of Faculty of Oriental Learning, University of the Punjab, Lahore.
- Member, Price Vigilance Committee (PVC) for Punjab University Library, University of the Punjab, Lahore.
- Member, Academic Council, University of the Punjab, Lahore.
- Member, Senate, University of the Punjab, Lahore.
- Member, Tenure Track Programme (TTP), University of the Punjab, Lahore 12-04-2012 to date.
- Member, Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore for three years w.e.f. 14-06-2012.
- Member, Equivalence Committee, University of the Punjab, Lahore. June 2012.

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 Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

- **Membership of Association/Network:**
 - Prof. Dr. Kanwal Ameen is Country Representative for Special Library Association (SLA), USA 2015-16.
 - 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

- **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.

○ **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.

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.

SKILL DEVELOPMENT CENTRE

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

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.
- Prof. Dr. Muhammad Naeem Khan
 - Member, Western Division, American Fisheries Society, USA (AFS)
 - Member, World Aquaculture Society (WAS)
 - 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, Bahauddin Zakariya 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
 - Feb. 26, 2016 (No. D/198/R) – Nomination for updating information on PU website for Zoology department, Punjab University, Lahore.
 - 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.
 - 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, 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	Fellowship of International Medical Sciences Academy (IMSA)	Prof. Dr. Farah Malik
24	Regional Representative for South Asia, Society for Interpersonal Acceptance-Rejection, USA.	Prof. Dr. Farah Malik



25	Associate Editor, Journal of Behavioral Sciences, IAP, PU, Lahore.	Prof. Dr. Farah Malik
26	Vice President, Society for Advancement of Muslim Psychology, Pakistan	Dr. Naumana Amjad
27	Senior Vice President, Alumni Association of Ravian Psychologists	Dr. Naumana Amjad
28	Member, International Society for Research on Aggression	Dr. Naumana Amjad
29	Member, Pakistan Psychological Association	Dr. Naumana Amjad
30	Member, American Psychological Association , America	Dr. Rafia Rafique
31	Member, Canadian Psychological Association, Canada.	Dr. Rafia Rafique
32	Member, Pakistan Psychological Association.	Dr. Rafia Rafique
33	Member, Pakistan Psychological Association.	Dr. Iram Fatima
34	Consulting Editor, Pakistan journal of professional psychology, research and practice published by Centre of Clinical Psychology, University of the Punjab	Dr. Iram Fatima
35	Consulting Editor, International Journal of Culture and Mental Health	Dr. Iram Fatima
36	Associate Editor, Journal of behavioral sciences published by Institute of Applied Psychology, University of the Punjab	Dr. Iram Fatima
37	Member, Pakistan Psychological Association	Dr. Fatima Kamran
38	Member / Consulting Editor, Pakistan Journal of Professional Psychology Research and Practice	Dr. Fatima Kamran
39	Consulting Editor, International Journal of Culture and Mental Health	Dr. Fatima Kamran
40	Associate Editor, Journal of Behavioral Science	Dr. Fatima Kamran
41	Member, British Psychological Society (BPS)	Dr. Fatima Kamran
42	Member, Pakistan Association of Clinical Psychologists	Dr. Fatima Kamran
43	Member, Society for Rehabilitation of Disabled Children, Jail Road Lahore	Dr. Afsheen Masood
44	Member, Pakistan Psychological Association	Dr. Afsheen Masood
45	Member, Pakistan Psychological Association.	Ms Afifa Anjum
46	Member, Lahore HR Forum	Ms Tahira Mubashar
47	Member, FOCUS GROUP at Packages Pvt. Limited	Ms Tahira Mubashar
48	Member, National Outreach Program NOP being run by LCCI	Ms Tahira Mubashar
49	Member, Pakistan Psychological Association	Ms Mujeeba Ashraf
50	Member, Pakistan Clinical Psychologist Association (PACP)	Ms Mujeeba Ashraf
51	Member, Fatimid Foundation, Lahore	Ms Shahnila Tariq
52	Member, Drug Free Pakistan Foundation, Karachi	Ms Shahnila Tariq
53	Member, Pink Ribbon Campaign, Lahore	Ms Shahnila Tariq
54	Member, Pakistan Psychological Association	Ms Shahnila 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
 - Member Geographical Society of America (GSA) Washington DC., USA
 - 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, IOSOS-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 Khawarzami 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 ARCHAEOLOGY**○ **Faculty development programmes (MS/ PhD local + foreign)**

Dr. Muhammad Hameed (Ph.D from Germany)

○ **Returned Scholars 1****DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE**○ **Present Scholars**

- Khurshid Alam, Ph. D scholar at the English Department, PU.
- Ms. Shamaila Dodhy Ph.D in Progress at the University Putra Malaysia, Malaysia
- 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

DEPARTMENT OF HISTORY & PAKISTAN STUDIES○ **Faculty Development programs (MS/Ph. D Local + Foreign)**

Two faculty members completed their Ph.D.

DEPARTMENT OF PHILOSOPHY○ **Faulty development programmes (MS/ PhD local + foreign)**

Sr. No.	Name of Faculty Member	Programe	Name of University	Foreign/Local
1.	Muhammad Jawwad Assistant Professor	Doing PhD	University of the Punjab, Lahore	Local
2.	Ms Sehreen Far Bukhari Assistant Professor	Doing PhD	University of Karachi, Karachi	Local
3.	Mr Saad Malook Lecturer	Doing PhD	University of Canterbury, New Zealand	Foreign
4.	Ms Farzeen Akram Lecturer	Doing MPhil	University of the Punjab, Lahore	Local



5.	Mr Muhammad Rasheed Arshad Lecturer	Doing PhD	University of Karachi, Karachi	Local
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○ **Present Scholars:**

PhD (5 Scholars) MPhil (15 Scholar)

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)**

Regular faculty training sessions were carried out by Dr Saleha Nazeer to guide new teachers about class strategies, student learning outcomes, course planners, evaluation methods, student feedbacks, etc.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **Present Scholars**

Two teacher enrolled in M.Phil. Leading to Ph.D Program and Three teachers enrolled in Ph.D.

DEPARTMENT OF POLITICAL SCIENCE

○ **Present Scholars**

Shabbir Ahmad Khan (Assistant Professor)

Mr. Muhammad Sajid (Assistant Professor)

Mr. S. Dayyab Ali Gillani (Lecturer)

DEPARTMENT OF SOCIAL WORK

○ **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
3.	Ms. Raazia Hassan Naqvi, Lecturer	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. Aniq 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 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, Ms. Kalsoom Zulfiqar and Ms. Fareena Noor Malhi are study leave to pursue Ph.D. degree in foreign countries..
- Mr. Atif Khan Jadoon, Ms. Maria Faiq Javaid Ms. Ambreen Sarwer enrolled in Ph.D Program at the Department of Economics. Presently, they are working on their dissertation.

○ **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.
 - Dr. Saira Soroya joined the department as Assistant Professor in 2016.
 - Dr. Asif Naveed joined the department as Lecturer in 2016.

INSTITUTE OF ADMINISTRATIVE SCIENCES

HEC awarded two scholarships to our faculty members for their doctoral program out of whom both of the faculty members have completed their PhDs. Two scholarships have been granted to our faculty members by the University of the Punjab for earning doctorate from highly reputed foreign universities while one of our faculty members received full term scholarship from Monash University, Australia to pursue her PhD. Last year, four of the faculty members completed their course work of in-house PhD program while four of the faculty members completed their course work of in-house M. Phil. program at the Institute of Administrative Sciences. In the year 2016, one of the faculty members and one of the research scholars got admission in-house/local PhD program. Two of our faculty members have been awarded PhD scholarships by foreign universities and are on study leave. Faculty members actively participate in academic conferences, symposia, seminars and workshops to keep themselves abreast of the most recent knowledge and trends in their areas of research. Faculty of IAS also took part in faculty development efforts of other institutions in Punjab University and universities across the country as part of IAS social responsibility initiative.

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.

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.

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. Maria Qureshi who availed Scholarship under faculty development program returned back in 2015 from England after completing her Ph.D.

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 lecturers serving on contracts basis are enrolled in PhD.

- **Pre-service and in-service professional development programmes**

No permanent programme has been launched for professional development however department always encouraged if there are some courses launched at any level our faculty should attend.

- **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.

His major achievements are following:

- In 2006 Prof.Dr.TahirJamil 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.TahirJamil 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 Programs**

	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 Programs**

	M.Sc.	PhD
Local	5	0
Foreign	3	3

○ **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 Lepidopteran 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. 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

○ **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

○ **Returned Scholars**

- Mr Arsalan Sarwar (PhD Scholar), is in 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 Angstorm –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



- **Present Scholars**

- 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).

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Faculty development programmes (MS/ PhD local + foreign)**

- The PhD thesis of on faculty member is submitted for evaluation in examination branch in 2015
- One faculty member working on his research thesis.
- Two faculty members are working on their research Proposal

DEPARTMENT OF ZOOLOGY

- **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. Mujeeba Ashraf, PhD Scholar at Department of Psychology, St. Andrews University, Scotland, UK.
 - Ms. Shazia Khalid, Ph.D Scholar Distance and Online Learning Program in Texila American University, Guyana, South America.
- **Present Scholars**
 - Ms. Afifa Anjum, 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

- **Faculty development programmes (MS/Ph.D. local + foreign)**
 - 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 (Massachusetts, 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 three for Ph.D.
 - Five faculty members already enrolled in Ph.D are going to complete their degrees within a year.
- **Present Scholar**
 - Ph.D = 10 (8 local + 2 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

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	Degree
1	Dr. Khalida Khan	Director and UNESCO Chair Holder	Applied Geology
2	Dr. Fakhra Shamim	Assistant Professor	Botany
3	Engr. Muhammad Yaseen	Research Officer/Lecturer	Water Resources Engineering
4	MS. Rehana Jamal	Research Officer/Lecturer	Geographical Information system; Geography; Geomatics

*Visiting Faculty Members*

Sr. No.	Name	Designation	Degree
1	Dr. Zaki Ahmed	Professor Emeritus	Metallurgy
2	Dr. Abid Bodala	Member, P&D	Civil Engineering
3	Dr. Humala Khalid	Former Dean, LCWU	Education and Development
4	Dr. Ashraf Bodla	Director, WAPDA	Environmental Ecology
5	Dr. Amjad Almas	Director, NESCOM	Remote Sensing & GIS
6	Dr. M. Naeem Ch.	SRO, PCSIR	Environmental Quality and Technology Management
7	Mr. Muhammad Ikram	Former Principal, Soil Survey of Pakistan	soil survey using aerial photographs and other remote sensing techniques
8	Mr. Muhammad Ghous	Lecturer; Govt. Science College Wahdat Road, Lahore.	Environment Science
9	Ms. Aneela Azam	Coordinator; Science International, Lahore	Educational Research and Assessment

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-	Environmental Sciences
7.	Mr. Muhammad Waqar	-do-	Applied Hydrology
8.	Ms. Zaib un Nisa	-do-	-do-

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 M.Phil 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 (M.Phil. / 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, Amer Masood

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.
- Mr. Muhammad Armaghan Faisal Miraj (Lecturer) is pursuing PhD Studies at the Ruhr University, Bochum, Germany under Faculty Development Program.

○ **Pre-service and in-service professional development programs**

A number of faculty members of the Institute of Geology participated in the Faculty Orientation Program organized by the Human Resource Development Centre (HRDC) at the Institute of Administrative Sciences.

**PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY**

- **Returned Scholar**
Dr. Syed Muhammad Ali
- **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****CENTRE FOR SOUTH ASIAN STUDIES**○ **Basic enrolment**

- M.Phil = 20
- Ph.D = 07

○ **Gender-wise Detail**

M.Phil.

Male	Female
10	10

Ph.D.

Male	Female
05	02

DEPARTMENT OF ARCHAEOLOGY○ **Basic enrolment**

- 23 students (M.A. Archaeology) 2015-16 data required
- 7 students (M.Phil Archaeology)

○ **Gender-wise Detail**

- 6-Female and 17-Male (M.A. Archaeology)
- 5-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)
- 1=3 students approx. (M.Phil. Archaeology)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Basic Enrolment** 645 students



○ **Gender-wise Detail**

Programme	Male	Female	Total
Ph. D	0	4	4
M.Phil – I	2	13	15
M. Phil – II	02	13	15
MA – I	26	53	43
MA – II	29	57	86
BS-I	16	25	43
BS-II	17	22	39
PGD-ELT	42	26	52
Diploma in Linguistics	07	18	51
Spoken English Certificate (4 session in a year)	207	161	368
Total			645

○ **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:** 280

○ **Gender-wise Detail**

Male 168 Female 112

○ **Employability:** 18

○ **Faculty – Student ratio:** 28

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 (2015-2019)	4-Years	42
MA Philosophy (2015-2017)	2-Years	26
MPhil Philosophy (2015-2017)	2 Years	5
PhD (2015-2020)	4 Years	NIL

○ **Gender-wise Detail** [in tabulated form for all programmes]

Programme	Duration	Gender	
		Male	Female
BS Philosophy (2015-2019)	4-Years	22	20



MA Philosophy (2015-2017)	2-Years	19	7
MPhil Philosophy (2015-2017)	2 Years	3	2
PhD (2015-2020)	4 Years	NIL	NIL

○ **Employability**

The Philosophy graduates work in education, government, law, journalism and politics.

○ **Faculty-student ratio**

73 Students and 14 Teachers

PAKISTAN STUDY CENTRE

○ **Basic enrolment**

25 Ph.D. Pakistan Studies Sessions

○ **Gender-wise Detail**

	Male	Female
M. Phil. Pakistan Studies	12	13
PhD Pakistan Studies	02	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 2015-16	06:01
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DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE

○ **Basic enrollment**

- M.A French: 12
- BS (hons) French: 17
- Short courses certificates (evening): 30

○ **Faculty-student ratio**

S. No.	Faculty	Students
1.	3	3: 20 approx

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **Basic enrolment: 672**



○ **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	19	41	60	26	20	46	5	14	19	3	7	10
2 nd Year	III	12	54	66	14	29	43	3	16	19	3	7	10
3 rd Year	V	11	51	62	---	---	---	---	---	---	3	7	10
Self -Supporting													
1 st Year	I	15	56	71	20	19	39	10	15	25	5	4	9
2 nd Year	III	17	47	64	11	18	29	10	12	22	1	4	5
3 rd Year	V	16	47	63									
Total		672											

○ **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 in 2015-16
1	BS (Hons.) Political Science	53
2	M.A Political Science	48
3	M.A International Relations	59
4	M.A Diplomacy & Strategic Studies	52
5	M.Phil Political Science	18
6	M.Phil International Relations	23
7	Ph.D Political Science	13
8	Ph.D International Relations	16
Total:		282



○ **Gender wise detail**

Sr. No.	Program	Gender Wise Enrolled in 2015-16		Total Number of Students
		Male	Female	
1	BS (Hons.) Political Science	36	17	53
2	M.A Political Science	26	22	48
3	M.A International Relations	50	09	59
4	M.A Diplomacy & Strategic Studies	35	17	52
5	M.Phil Political Science	12	06	18
6	M.Phil International Relations	10	13	23
7	Ph.D Political Science	4	9	13
8	Ph.D International Relations	8	8	16
Total:		181	101	282

○ **Employability**

In Media, Teaching, Foreign Office, and other administrative posts in govt. and private sector

○ **Faculty student ratio**

1/54 (10 Faculty members, 548 students)

DEPARTMENT OF SOCIAL WORK

○ **Basic enrolment**

	M.Sc. Social Work Part-I Session 2015-2017 (Total 124 Students Enrolled)	
	Male	Female
Morning Programme (Total Students 65)	28	37
Replica Programme (Total Students 59)	17	42

(Including 01 Balochi Student admitted this year in Morning Programme)

M Phil Social Work (First Year) Session 2015-2017 (Total 15 Students Enrolled)	
Male	Female
03	12



PhD Social Work (First Year) Session 2015-2018 (Total 08 Students Enrolled)	
Male	Female
07	01

▪ **Gender wise Detail:**

Programmes	Gender		Total Number of Students
	Males	Females	
PhD (First Year)	07	01	08
PhD (Second Year)	03	05	08
M.Phil (First Year)	03	12	15
M.Phil (Second Year)	05	10	15
M.Sc. Part-I (Morning)	28	37	65
M.Sc. Part-I (Replica)	17	42	59
M.Sc. Part-II (Morning)	31	28	59
M.Sc. Part-II (Replica)	05	13	18
Total Students			247

○ **Faculty Student Ratio:**

Total Number of Students (247) = 24.7

Total Number of Faculty Members (10) 1

INSTITUTE OF COMMUNICATION STUDIES

○ **Basic Enrolment:**

BS (4-Year) Communication Studies

Gender wise detail

Male	33
Female	31
Total	64

M.Sc Communication Studies (Morning Program)

Gender wise detail

Male	43
Female	30
Total	73

M.Sc Communication Studies (Replica Program) Gender wise detail

Male	45
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Female	21
Total	66

M.Sc Communication Studies (Development Journalism) Gender wise detail

Male	37
Female	33
Total	70

M.Sc Communication Studies (Film & TV Production) Gender wise detail

Male	30
Female	20
Total	50

M. Phil (Research Track) Gender wise detail

Male	04
Female	09
Total	13

M. Phil (Professional Track) Gender wise detail

Male	05
Female	20
Total	25

Ph.D (Gender wise detail)

Male	00
Female	00
Total	00

PGD in Photo Journalism (Gender wise detail)

Male	17
Female	09
Total	26

PGD in Television Communication & Production (Gender wise detail)

Male	23
Female	13
Total	36



Total Male Students	=	237
Total Female Students	=	186
Grand Total	=	423

○ **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

○ **Basic enrolment**

- The List of those students who are enrolled for 2015-16

BBA (Hons) Banking & Finance (Four Years Program)

Program	Session	Semester	Girls	Boys	Total
BBA (Hons)	2015-19	1st Semester	35	40	75

MBA Banking & Finance (3.5 Years Morning Program)

Program	Session	Semester	Girls	Boys	Total
MBA	2015-19	1st Semester	35	41	76
MBA (MS)	2015-17	1st Semester	18	17	35
Total			53	58	111

MBA (Evening) Banking & Finance (3.5 Years Evening Program)

Program	Session	Semester	Girls	Boys	Total
EMBA	2015-19	1st Semester	32	122	154
Total			32	122	154

Total Students (Banking & Finance)

Program	Girls	Boys	Total
BBA (Hons)	35	40	75
MBA/MS	53	58	111
EMBA	32	122	154
Grand Total	120	220	340



- The List of those students who are enrolled for 2015-16

BBA (Hons) Insurance & Risk Management (Four Years Program)

Program	Session	Semester	Girls	Boys	Total
BBA (Hons)	2015-19	1st Semester	38	26	64
Total			38	26	64

MBA Insurance & Risk Management (3.5 Years Morning Program)

Program	Session	Semester	Girls	Boys	Total
MBA	2015-19	1st Semester	38	35	73
MBA (MS)	2015-17	1st Semester	18	13	31
Total			56	48	104

MBA (Evening) Insurance & Risk Management (3.5 Years Evening Program)

Program	Session	Semester	Girls	Boys	Total
EMBA	2015-19	1st Semester	32	120	152
Total			32	120	152

Total Students (Insurance & Risk Management)

Program	Girls	Boys	Total
BBA (Hons)	38	26	64
MBA	56	48	104
EMBA	32	120	152
Grand Total	126	194	320

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	107	112	28	7	264	41
	Replica	119	109	7	2	284	16
	Evening						--
Master M. Com (3½ years)	Morning	47	37	8	1	86	10
	Replica	55	39	--	--	94	04
	Evening	--	--	--	--		--
M. Com	Morning	23	27	--	--	50	--



(1½ years)	Replica	55	25	--	--	50	--
	Evening	--	--	--	--		--
M.Phil	Morning	8	12			20	--
Ph.D.	Morning	--	--	--	--	20	--
Diploma		--	--	--	--	--	--
Certificate		--	--	--	--	--	--

○ **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	03	02	01	03	00	B.Com (Hons.) Various Semesters	2057
Associate Professors	06	01	00	01	00	M.Com 3 ½ years Various Semesters	1229
Assistant Professors	15	17	03	09	11	M.Com 1 ½ years	272
Lecturers	18	02	10	00	12	M.Phil Ph.D	20 20

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Basic enrolment**
- **Equity**
- **Gender-wise Detail**

▪ **Student Enrolment for the year 2015-16**

Regular Fee Structure	Semester	M.Sc. Morning			M. Phil			Ph.D		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1st Year	I	11	67	78	5	15	20	6	4	10
	II	0	0	0	0	0	0	4	6	10
2nd Year	III	14	52	66	7	11	18	0	0	0
	IV	0	0	0	0	0	0	3	3	6
Total		25	119	144	12	28	38	13	13	26



Self-supporting Programs	Semester	M.Phil Weeken			M.Sc. Replica			MBEcon			PGDAE		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
1st Year	I	11	29	40	19	54	73	19	54	73	17	23	40
	II				0	0	0	0	0	0			
2nd Year	III	10	28	38	24	42	66	19	51	60			
	IV				0	0	0	0	0	0			
Total		21	57	78	43	96	139	28	105	143	17	23	40

Program	Ph.D	M. Phil	M.Sc. Morning	M.Sc. Replica	MBEcon	PGDAE	Total Students of Department
Total Student	26	116	144	139	143	40	608

- **Faculty-student ratio** is 40 student per teacher

DEPARTMENT OF INFORMATION MANAGEMENT

- **Basic enrolment**

In Masters (Morning & Afternoon) program, seventy two students got admission in 2015, seventy four students admitted in 2016..In M.Phil program, twenty students admitted in 2015, twenty students got admission in 2016. In Ph.D. program, eighteen students got admission in 2015, eleven students admitted in 2016.

- **Gender-wise Detail**

Program	Male	Female	Total
M.A (Morning, Afternoon)	2015=27 2016=21	2015=45 2016=53	2015=72 2016=74
MPhil Regular	2015=4 2016=9	2015=16 2016=11	2015=20 2016=20
PhD	2015=13 2016=6	2015=5 2016=5	2015=18 2016=11

- **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 8 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 2015-2016					Dropped Students	
Sr. No	Name of Program	Shift	Total Application Received	Enrollment	Due to Demerit	Due to Financial Constraint
1	M.Phil Management	Regular	781	15	1st Semester in process, Midterm exams are scheduled after winter vacation	
2	MPA (18 years)	Regular		25		
3	Master of HRM	Regular	665	56		
4	Master of HRM	Replica		54		
5	BS (4 years) Management	Regular	465	77		
6	BS (4 years) Management	Replica		81		
7	MPA (18 years)	Evening	148	36		
8	Master of HRM	Evening	192	120		
9	Master of Marketing	Evening				
10	Master of Health Administration	Evening				
				464		

Fall Semester 2015-16								
Sr. No.	Shift	Class	Semester	Session	Male	Female	Total	
1.	Regular	PhD in Management	1st	2015-2017	5	5	10	89
2.	Regular	M.Phil in Management	1st	2015-2017	2	13	15	
3.	Regular	M.Phil in Management	3rd	2014-2016	8	8	16	
4.	Regular	Master of Public Administration	1st	2014-2016	6	19	25	
5.	Regular	Master of Public Administration	3rd	2013-2015	9	14	23	
6.	Regular	Master of Human Resource Management	1st	2015-2017	29	27	56	77
7.	Regular	Master of Human Resource Management	3rd	2014-2016	11	42	53	
8.	Regular	BS (Hons) Management	1st	2015-2019	25	52	77	



9.	Regular	BS (Hons) Management	3rd	2014-2018	20	63	83	
10.	Regular	BS (Hons) Management	5th	2013-2017	14	39	53	
11.	Regular	BS (Hons) Management	7th	2012-2016	21	46	67	
12.								
13.	Replica	Master of Human Resource Management	1st	2015-2017	18	17	35	
14.	Replica	Master of Human Resource Management	3rd	2014-2016	25	22	57	
15.	Replica	BS (Hons) Management	1st	2015-2019	46	55	101	
16.	Replica	BS (Hons) Management	3rd	2014-2018	40	45	85	
17.	Replica	BS (Hons) Management	5th	2013-2017	15	41	56	
18.	Replica	BS (Hons) Management	7th	2012-2016	17	38	55	
19.	Evening	Master of Marketing	6th	2014-2016	32	3	35	197
20.	Evening	Master of Health Administration	6th	2014-2016	12	9	20	
21.	Evening	Master of Human Resource Management	6th	2014-2016	27	32	59	
22.	Evening	Master of Marketing	3rd	2015-17	24	3	27	
23.	Evening	Master of Human Resource Management	3rd	2015-17	32	14	46	
24.	Evening	Master of Health Administration	3rd	2015-17	3	7	10	
Total Students					441	614	1064	

Faculty	Management & Economics				
Institute	Administrative Sciences				
Detail of Enrolled Students			Merit Scholarship Distributions Year 2015-2016		
Bachelor (Morning)				Students	Scholarship
Semester	Session	BS	Male	Female	Total
I	2015-19		25	52	77
III	2014-18		20	63	83
		MHRM	201		26
		BS	577		64
		MPA/Mphil/PhD	133		6



V	2013-17		14	39	53
VII	2012-16		21	46	67
Total					280
Bachelor (Self-supporting)					
Bachelor					
Semester	Session		Male	Female	Total
I	2015-19		46	55	101
III	2014-18		40	45	85
V	2013-17		15	41	56
VII	2012-16		17	38	55
Total					297
Master (Morning)					
Semester	Session	Mphil	MPA	HRM	Total
I	2015-2017	15	25	56	76
III	2014-2016	16	23	53	92
					168
Master (self-supporting)					
Semester	Session	Mphil	MPA	HRM	Total
I	2015-2017		36	35	50
III	2014-2016		18	57	44
					94
					94

			911	96
	Semester	Session	Students	Scholarship
BS (Hons)	I	2015-19	178	3
	III	2014-16	168	19
	V	2013-17	109	21
	VII	2012-16	122	21
			577	64
Program	Semester	Session	Students	Scholarship
M.Phil	I	2014-2016	15	0
M.Phil	III	2013-2015	16	3
MPA	I	2014-2016	56	0
MPA	III	2013-2015	41	3
PhD	I	2014-2016		
PhD	III	2013-2015		
			96	6
Program	Semester	Session	Students	Scholarship
MHRM	I	2014-2016	91	11
MHRM	III	2013-2015	110	15
			201	26
Total Merit Scholarship Allocated				96

INSTITUTE OF BUSINESS ADMINISTRATION

○ Basic enrolment

Sr. No.	Program	No. of Enrolled Students
1	Ph.D in Business Administration	19
2	M.Phil in Business Administration	40
3	MBA 1½ Years (Morning)	133
4	MBA 3½ Years (Afternoon)	64
5	MBA (Evening)	420
6	BBA Hons (Morning)	231
7	BBA Hons (Afternoon)	217
8	PGD (Evening)	61
Total		1185

○ Gender-wise Detail [in tabulated form for all programmes]

Sr. No.	Program	Male	Female	Total
1	Ph.D in Business Administration	10	9	19
2	M.Phil in Business Administration	15	25	40
3	MBA 1½ Years (Morning)	56	77	133
4	MBA 3½ Years (Afternoon)	42	22	64
5	MBA (Evening)	377	43	420
6	BBA Hons (Morning)	98	133	231
7	BBA Hons (Afternoon)	90	127	217
8	PGD (Evening)	45	16	61
Total		733	452	1185



- **Employability**
About 75%.
- **Faculty-student ratio**

No. of Faculty (permanent/contract)	No. of Student (Morning programs)	Faculty-student Ratio
13	408	1:31

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

The gender-wise detail of enrolled students in Fall Semester 2015 is as follows

Program: BBIT (4 Years)

Session	Morning A		Afternoon A		Morning B		Afternoon B		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
F11	1	2	6	0	3	2	3	2	19
F12	25	33	26	20	27	34	32	32	229
F13	17	35	24	35	22	39	28	37	237
F14	19	39	29	34	0	0	0	0	121
F15	15	33	21	19	22	29	26	21	186

Program: MBIT via BBIT

Session	Morning A		Afternoon A		Morning B		Afternoon B		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
F14	7	35	0	0	9	30	0	0	81
F15	15	47	0	0	0	0	0	0	62

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **Basic enrolment** in M.A. M. Phil in Special Education

M.A. Program	Male students	Female students	Total Number of students
Morning	10	48	58
Self-supporting	12	46	58
M.Phil	4	3	7

- **Employability**

Approximately 85% graduates of this department have got jobs both in public and private sector.

- Student teacher ratio of special education (for 2015-16)

Student teacher Ratio	Total students	Total teachers	Ratio
	123	7	18



- Basic enrolment in M. A and M. Phil in special education

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
P.H. D	2	3	5

- Student teacher ratio of special education

Student teacher Ratio	Total students	Total teachers	Ratio
	125	7	18

INSTITUTE OF EDUCATION & RESEARCH

- Basic Enrolment

Program		No. of Students Admitted
Bachelor	Morning	101
	Replica	146
Master	Morning	466
	Replica	327
Ph. D		47
M. Phil		109

- Gender-wise Detail [in tabulated form for all programmes]

Bachelor Degree	1 st Year		2 nd Year	
	M	F	M	F
Morning	11	90	3	86
Replica	10	136	8	89
MASTER DEGREE				
Morning	61	405	27	332
Replica	44	283	44	229
M.PHIL LEADING TO PH.D DEGREE				
Regular	05	41	9	63
Replica	20	43	10	45
Ph.D	17	30	12	24

- 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	1194	1074	2268
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:**
MSc Coal Technology 65
- **Gender-wise Detail:** Male = 25 Female = 40

Mphil Coal Technology 36
- **Gender-wise Detail:** Male = 31 Female = 5
- **Employability:** About 80%
- **Faculty-Student Ratio:** 1:15

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Basic Enrolment**

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)

Programme	Males	Females	Total
M.Phil Polymer Technology	39	27	66

- **Employability (maximum 02 lines)**
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** (in tabulated form)

Student Faculty ratio for M.Phil Polymer Technology

Session	No. of Students	No of Teachers	Student Faculty ratio
2015-16	30	07	5:1

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 2015-16

	Applicants	Enrolled
Regular Programe	2934	60
Self-Supporting Programe	1421	45

- 2-year M.Sc Chemical Engineering Program enrollment 2015-16 which is equivalent to MPhil degree. Enrollment is twice a year in fall and other in spring session.



Applicants	Enrolled
351	95

- PhD (Engg.) Chemical Engineering program enrollement 2015-16

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 2015-16

	Male	Female
Regular Programme	49	11
Self-Supporting Programme	37	08

- 2-years M.Sc Chemical Engineering Program enrollment 2015-16

Male	Female
79	16

- PhD (Engg.) Chemical Engineering program enrollment 2015-16

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
33	8	36	7	53	9	56	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	211
Total number of dedicated teachers	16+3* (on Study Leave)
Faculty-student ratio	14:1

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

○ **Basic enrolment**

Overall 191 students were enrolled in 2015-16 session.

○ **Gender-wise detail** [in tabulated form for all programmes]

Programme	2015-16		Total
	Male	Female	
BSc Industrial Engineering & Management	28	07	35
MSc Quality & Performance Management	-	-	-
MS Total Quality Management	58	43	101
MS Industrial Engineering & Management	43	03	46
PhD Total Quality Management	-	-	-
Certificate/Diploma	05	04	09
Grand Total			191

○ **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** [in tabulated form]

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



SKILL DEVELOPMENT CENTRE

Number of Teaching Staff: 6 Visiting Faculty members

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

- **Basic enrolment**

BS Islamic Studies 380, M.Phil. 60 and Ph.D. 59

- **Gender-wise Detail** [in tabulated form for all programmes]

Classes	Male	Female	Total
BS Islamic Studies	154	226	380
M.Phil. Islamic Studies	27	33	60
Ph.D. Islamic Studies	49	10	59

- **Employability**

Faculty	Employees	Ratio	Year
7	60	1:8.5	2015-16

- **Faculty-student ratio** [in tabulated form]

Faculty	Students	Ratio	Year
7	522	1:75	2015-16

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- **Basic enrollment**

- **Gender-wise Detail**

Male Female
1591 515

- **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	2
2	MS Programme in Clinical Psychology	3	43	46
3	MS in Speech & Language Pathology	2	25	27
4	Advanced Diploma in Clinical Psychology	1	19	20
5	Advanced Diploma in Clinical Psychology (Replica)	-	3	3
6	BS (Hons.) in Clinical Psychology	11	113	124

○ **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** [in tabulated form for all programmes]

M. Phil			Ph.D		
Male	Female	Total	Male	Female	Total
14	32	46	12	12	24

○ **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
	2015-16
BS	21
M.Sc.	40
MS	15
M.Phil	13
Ph.D Regular	09
Ph.D old scheme	04

○ **Gender-wise Detail** [in tabulated form for all programmes]

All Programmes	Male	Female
Bachelor Morning 1 st Year (1 st – 2 nd Semester)	01	25
2 nd Year (3 rd – 4 th Semester)	00	25
3 rd Year (5 th – 6 th Semester)	02	22
4 th Year (7 th - 8 th Semester)	04	25
Master Morning 1 st Year (1 st – 2 nd Semester)	02	38
2 nd Year (3 rd - 4 th Semesters)	02	39
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 [in tabulated form]

Total Students	Faculty	Ratio
317	21	15.095



DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ **Basic enrolment**

Programme	Students
BS 2015	39
BS 2016	37
M.Sc. 2015	35
M.Sc. 2016	35
M.S. 2015	14
M.S. 2016	16
M.Phil. 2015	11
M.Phil. 2016	17
Ph.D. 2015	12
Ph.D. 2016	11

Gender-wise Detail [in tabulated form for all programmes]

	Bachelor			Master			M.S/M.Phil			Ph.D.		
Year/Semester	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 st Semester	04	35	39	2	33	35	1	24	25	2	10	12
2 nd Semester												
3 rd Semester	04	30	34	1	34	35	7	23	30	7	9	16
4 th Semester												
5 th Semester	02	30	32							3	8	11
6 th Semester	04	33	37									
7 th Semester										4	6	10
8 th Semester												
9 th Semester										2	6	8
10 th Semester												
12 th Semester										4	9	13
Sub-Total	14	128	142	3	67	70	8	47	55	22	48	70
Total Students	337											

○ **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** [in tabulated form]

Students	Faculty	Ratio
351	25	14 o 1

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ **Basic enrolment**

- BS Physical Education
- Total 87 students admitted in BS Physical Education Program
- M.Sc. Physical Education
- Total 62 Students enrolled in Morning
- Total 43 Students enrolled in Evening

○ **Gender-wise Detail** [in tabulated form for all programmes]

M.Sc. Physical Education

Morning Male: 37 Female: 25

Evening Male: 26 Female: 17

○ **BS Physical Education**

Male: 52, Female: 35

○ **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.		
Part	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		
Part	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**
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** [in tabulated form for all programmes]
BS (Hons.) 201 (Male) 288 (Female)
M.Sc. (Hons.) 58 (Male) 46 (Female)
Ph.D. 26 (Male) 44 (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** [in tabulated form]
BS (Hons.) 1:16
M.Sc. (Hons.) 1:3
Ph.D. 1:2

INSTITUTE OF APPLIED PSYCHOLOGY

- **Basic Enrolment**
During the academic session 2015-16, the Institute has following basic enrolment:

Program	Enrollment on Open Merit Seats	Enrollment on Reserved Seats	Total Seats
BS (4-Years) Morning	36	07	44
BS (4-Years) Replica	36	02	38
M.Sc. (Morning)	43	03	50
M.Sc. (Replica)	50	--	50
M.Phil Applied Psychology	20	--	20
MS Health Psychology	08	--	20
Ph.D Applied Psychology	06	--	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 2015-16 is as under:-

Program/Class	Semester	Male	Female
BS (4-Years) Morning	Semester-I	06	37
	Semester-III	01	41
	Semester-V	06	32
	Semester-VII	02	35
BS (4-Years) Replica	Semester-I	03	36
	Semester-III	00	36
M.Sc. Morning	Semester-I	01	45
	Semester-III	03	38
M.Sc. Replica	Semester-I	03	47
	Semester-III	02	43
M.Phil Applied Psychology	Semester-I	01	19
	Semester-III	03	17
MS Health Psychology	Semester-I	03	05
	Semester-III	00	07
Ph.D Applied Psychology	Semester-I	01	05
	Semester-II	01	04
	Semester-III	00	00
	Semester-IV	01	03
	Semester-V	00	00
	Semester-VI	00	00
	Semester-VII	00	07
	Semester-VIII	00	00
	Semester-IX	00	00
	Semester-X	00	00

○ **Employability**

The detail of regular and contract faculty for the year 2015-16 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	06	Nil	Nil	Nil	Nil
Lecturers	01	03	Nil	02	Nil	11



○ **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	482	1:35

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

○ **Basic enrolment**

Name of Program	Enrolment
BS Biochemistry	33
BS Biotechnology	34
M. Sc. Biochemistry/ Biotechnology	34
MS Biochemistry	20
MS Biotechnology	11
Ph. D	12

○ **Gender-wise Detail**

Regular Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Part-I	1 st	4	63	67	4	30	34	5	26	31	3	9	12
Part-II	3 rd	5	59	64	2	33	35	5	35	40	4	17	21
Part-III	5 th	9	77	86	0	0	0	0	0	0	2	5	7
Part-IV	7 th	5	59	64	0	0	0	0	0	0	0	5	5
Sub-Total (i)		23	258	281	6	63	69	10	61	71	9	36	45

Self-support Program Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Part-I	1 st	0	0	0	0	0	0	0	0	0	0	0	0
Part-II	3 rd	15	89	104	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	89	104	0	0	0	0	0	0	0	0	0
Total (i + ii)		38	347	385	6	63	69	10	61	71	9	36	45

○ **Employability**

Majority of the students prefer to go in industry, teaching and research. Few opt for Govt. Departments.



○ **Faculty-student ratio**

Class	Faculty	Students	Teacher Students ratio
BS	28	385	1:14
M. Sc.	19	69	1:4
MS	18	71	1:4
PhD	7	12	1:2

SCHOOL OF BIOLOGICAL SCIENCES

○ **Basic enrolment**

▪ **Ph.D. Students 2015**

S #	Roll No.	Students Name
1	SBS-1501	Abeera Shaeer
2	SBS-1502	Nasir Javaid
3	SBS-1503	Farah Tariq
4	SBS-1504	Muhammad Atif
5	SBS-1505	Iqra Aroob
6	SBS-1506	Madiha Mumtaz
7	SBS-1507	Fatima Rehman
8	SBS-1508	Quratulain Amjad
9	SBS-1509	Samina Yasin
10	SBS-1510	Faiza Aslam

▪ **M.Phil Students 2015**

S #	Roll No.	Students Name
1	SBS-1511	Tanzeela Rehaman
2	SBS-1512	Mufarrah Mehboob
3	SBS-1513	Rabia Nisar
4	SBS-1514	Anum Shafiq
5	SBS-1515	Mariam Javed
6	SBS-1516	Tayyaba Ishaq
7	SBS-1517	Iram Yaqoob
8	SBS-1518	Zunaira Fatima
9	SBS-1519	Faiza Batool
10	SBS-1520	Maryam Shakeel
11	SBS-1521	Haleema Qamar
12	SBS-1522	Sana Muqadas
13	SBS-1523	Aneeqa Iqbal



CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Basic enrolment**

Programme	2015-16
M. Phil	28
Ph.D	12

○ **Equity**

All admissions were offered purely on open merit

○ **Gender-wise Details**

Programme	2015-16	
	Male	Female
M. Phil	6	22
Ph.D	5	7

○ **Employability**

27 students of M.Phil session have completed their course work. Out of these, some have been applied for jobs in various public and private sectors, two students got foreign Ph.D scholarship.

○ **Faculty-student ratio**

Programme	2015-16		
	Student	Teacher	Ratio
M. Phil	28	20	1:1.4
Ph.D	12	13	~1:1

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

○ **Basic enrolment**

Total Enrolled Students = 234

○ **Gender-wise Detail**

Male = 109, Female = 125

○ **Faculty-student ratio**

1 Teacher = 23 Students

DEPARTMENT OF HINDI LANGUAGE

Number of Teaching Staff: 1 Permanent

Number of Teacher: 1 on Contract (Ad-hoc)



DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- **Basic enrolment**

13 students are admitted in M.A Kashmiryat Part-I for the Year 2015-16

- **Gender wise Detail**

Programs	Session	Male	Female
M. A. Kashmiryat	2015-16	07	05
M.Phil Kashmiryat	2015-16	Nil	Nil

- **Employability**

Can adjust in different projects regarding Kashmir especially water resources.

- **Faculty Student Ratio**

Faculty of Kashmiryat	Student Ratio
05 Ph.D Teachers	12

DEPARTMENT OF PERSIAN

- **Basic enrolment**

21 students are admitted in M.A Persian Part-I for the Year 2015

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

15 students are admitted in M.Phil Persian (Fall Session) in 2015

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

05 students are admitted in Ph.D Persian (Fall Session) in 2016

Gender wise Detail (in Tabulated form for all Program)

Programs	Male	Female
M.A Persian Part-II Session 2015-17	08	17
M.A Persian Part-I Session 2016-18	13	10
M.Phil Persian Part-II (2015-2017 Fall Session)	04	15
M.Phil Persian Part-I	09	20
Ph.D Persian 2009-14	2	-
Ph.D Persian 2010-15	-	08
Ph.D Persian 2011-16	None- Admission	
Ph.D Persian 2012-17	03	05
Ph.D Persian 2013-18 (Spring)	01	01
Ph.D Persian 2014-19	None- Admission	
Ph.D Persian 2015-2020	5	5
Ph.D Persian 2016-2021	5	1

Faculty of Persian	Student Ratio
09 Ph.D Teachers	



DEPARTMENT OF PUNJABI

○ **Basic enrolment**

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

○ **Gender wise Detail** (in Tabulated form for all Program)

Programs	Male	Female
M.A Punjabi 2015-16	05	06

○ **Faculty Student Ratio** (in Tabulated form)

Faculty of Punjabi	Student Ratio
05 Ph.D Teachers	55

DEPARTMENT OF URDU

○ **Basic enrolment**

70 students are admitted in M.A Urdu Part-I

35 students are admitted in M.Phil Urdu

16 students are admitted in Ph.D Urdu

○ **Gender wise Detail** (in Tabulated form for all Program)

Programs	Male	Female
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
Ph.D Urdu 2015-16	11	05

○ **Faculty Student Ratio** (in Tabulated form)

Faculty of Urdu	Student Ratio
06 Ph.D Teachers and	280

Faculty of Pharmacy

PUNJAB 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
Ist 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

○ **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
13	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.	2014-16	M.Phil. Solid State Physics	8	14	22
	2015-17		13	12	25
	2016-18		15	10	25



2	2014-16	M.Phil.	4	11	15
	2015-17	Microelectronic Engineering &	6	11	17
	2016-18	Semiconductor Physics	6	11	17
3	2014-16	MS. Nanotechnology	6	9	15
	2015-17		3	8	11
	2016-18		7	4	11
4.	2014-2019	Ph.D.	6	4	10
5.	2015-2020		3	4	7
6.	2016-2021		3	3	6

○ **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)	36
M.Phil. (Morning)	38
Ph. D.	19

○ **Gender -wise Detail**

Program	Male	Female
M.Sc. (Morning)	18	18
M.Phil. (Morning)	20	18
Ph. D.	16	3
Total	54	39
G. Total	93	

○ **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
4	93	1:23

CENTER FOR UNDERGRADUATE STUDIES

• **Basic Enrollment (2015-16)***

Discipline	Students
BS (4 Years) Botany	22
BS (4 Years) Chemistry	66
BS (4 Years) Statistics (M)	50
BS (4 Years) Statistics (E)	70
BS (4 Years) Zoology	26

• **Gender-wise details**

Discipline	Male	Female
BS (4 Years) Botany	1	21
BS (4 Years) Chemistry	10	56
BS (4 Years) Zoology	3	23
BS (4 Years) Statistics (M)	8	42
BS (4 Years) Statistics (E)	13	57

* 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 2015-2016 is as detailed below:

Sr. No.	Degree Program	Total Enrollment
1.	BS Environmental Sciences (Morning & Evening)	267
2.	M.Sc. Applied Hydrology	34
3.	M.Sc. Tourism & Hospitality Management (Morning)	50
4.	MS / M.Phil. Environmental Sciences	80
5.	PhD Environmental Sciences	46
6.	M.Phil. Applied Hydrology	31
7.	PhD Applied Hydrology	10
8.	M.Phil. Geomatics	52
9.	PhD Geomatics	10

○ **Gender-wise Detail**

Program / Discipline		No. of students	
Class/Discipline/Program		Male	Female
BS Morning:	1 st Semester	07	33
	3 rd Semester	05	31
	5 th Semester	05	23
	7 th Semester	10	19
BS Evening:	1 st Semester	03	29
	3 rd Semester	15	17
	5 th Semester	11	26
	7 th Semester	05	28
MSc Applied Hydrology:	1 st Semester	03	12
	3 rd Semester	03	16
MS Environmental Sciences:	1 st Semester	30	10
	3 rd Semester	02	38
MSc Tourism & Hospitality Management:	1 st Semester	19	07
	3 rd Semester	19	05
Ph.D. Environmental Science	1 st Semester	00	10
	3 rd , 5 th , 7 th , 9 th , 11 th , 13 th Semester	10	26



Program / Discipline		No. of students	
MPhil Applied Hydrology:	1 st Semester	03	12
	3 rd Semester	02	14
Ph.D. Applied Hydrology	1 st Semester	01	04
	3 rd Semester	03	02
MPhil Geomatics:	1 st Semester	13	12
	3 rd Semester	14	13
PhD Geomatics	1 st Semester	03	02
	3 rd , Semester	03	02

○ **Employability**

- Environmental Protection Department (EPD)
- WAPDA, Pakistan
- PCRWR
- SNGPL, Pakistan
- Lahore Waste Management Company
- Environmental Protection Department
- Health & Safety Sector of Pakistan & UAE
- WAPDA
- Forest Department
- WWF
- Public / Private Sector Universities having Environmental Sciences Department
- Hotels/Resorts in Pakistan & UAE
- Industrial Organization

○ **Faculty-Student Ratio**

Ph.D 1:5

M.Phil: 1:10

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **Basic enrolment:** 1257

○ **Gender-wise Detail** [in tabulated form for all programmes]

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	8	42	14	47	15	51	12	38
Replica	22	47	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-



▪ **Master Degree**

	1 st Year		2 nd Year	
	M	F	M	F
MORNING				
M.Sc. Statistics	12	49	8	47
M.Sc. Actuarial Science	20	34	15	39
REPLICA				
M.Sc. Statistics	12	34	15	55
M.Sc. Actuarial Science	29	7	12	13
EVENING				
M.Sc. Biostatistics	9	23	3	10
MIOM (2 sections)	51	39	50	45
MBSM (2 sections)	56	64	59	61

▪ **M.Phil Degree**

	1 st Year		2 nd Year	
	M	F	M	F
Regular	4	24	6	24

▪ **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	4	-	3	3	2	7	5	2	1	5

○ **Employability**

Presently, exact data is not available, however, 30 – 40 percent of passed out graduates hunted the jobs.

○ **Faculty-student ratio** [in tabulated form]

No. of Faculty	No. of Students	Ratio
19 + 27 = 46 (Permanent / Contract & Visiting)	1257	1:28

DEPARTMENT OF GEOGRAPHY

○ **Basic enrolment:** 392

○ **Gender-wise Detail:** [in tabulated form for all programmes]

Sr. No.	Programme	Male	Female	Total
1.	BS	112	99	211
2.	M.Sc.	39	77	116
3.	M.Phil	14	41	55
4.	Ph.D.	2	8	10



○ **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** [in tabulated form]

No. of Faculty Member	No of Students	Ratio
8	392	49.00

DEPARTMENT OF MATHEMATICS

○ **Basic enrolment:** 598

○ **Gender-wise Detail**

Level of Education	Male	Female
Bachelor Morning 1 st Year (1 st Semester)	09	27
2 nd Year (3 rd Semester)	07	27
3 rd Year (5 th Semester)	10	23
4 th Year (7 th Semester)	04	26
Master Morning [Includes executive courses as well]		
16 years of Education:1 st Year	24	51
2 nd Year (3 rd Semester)	26	47
Master Evening 1 st Year	50	32
2 nd Year	46	48
M. Phil 1 st Year (1 st Semester)	28	36
2 nd Year (3 rd Semester and 4 th)	08	18
PhD 1 st Year (1 st Semester)	10	11
Already enrolled	04	26

○ **Employability**

Eighteen (18) Teaching Faculty members.

Twenty five (25) Non-teaching staff.

○ **Faculty-student ratio**

Faculty	Students
18	598



DEPARTMENT OF PHYSICS

○ **Gender-wise Detail** [in tabulated form for all programmes]

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	11	29	14	18	7	25	7	12
Replica	-	-	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

▪ Master Degree

	1 st Year		2 nd Year	
	M	F	M	F
MORNING	22	38	22	35
M.Sc. Physics				
REPLICA	-	-	26	19
MSc Physics	Nil			
EVENING	-	-	-	-
M.Sc. Physics	Nil			

▪ M.Phil Degree

	1 st Year		2 nd Year	
	M	F	M	F
Regular	04	21	06	14

▪ 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	4	2	6	6	3	2	1	1	1	1

○ **Employability**

On average, 70% of the passing out graduates hunted their jobs after successfully completing their respective degrees.

○ **Faculty-student ratio** [in tabulated form]

No. of Faculty	No. of Students	Ratio
15+1=16 (Permanent & Contract)	357	22.31
15+8=23 (Permanent, Contract & Visiting)	357	15.34

DEPARTMENT OF SPACE SCIENCE

○ **Basic enrolment**

BS: 27, M.Sc:24, M.phil:16,25,



- **Gender-wise Detail** [in tabulated form for all Programmes]

Male: 54, Female: 38

INSTITUTE OF CHEMISTRY

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 (2years) are conducted two times in the year. Following is the gender wise details of the students enrolled in the last admissions.

Gender-wise Detail

No of students	Male	Female
	191	633

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	824

No. of Students Enrolment by Sex and Year for Academic Session 2015-16

- **Bachelor (BS) Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	15	54	05	63	10	48	10	35

- **Master (M.Sc) Degree**

	1 st Year		2 nd Year	
	M	F	M	F
Morning	12	60	08	64
Evening	25	59	30	54

- **M. Phil Degree**

	1 st Year		2 nd Year	
	M	F	M	F
Regular	21	40	12	75



▪ **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	10	15	04	16	09	12	06	08	08	11	06	19

Note: Fill Annex 2(a) and 2(b) for the details of the students from other countries and from other provinces if applicable.

No. of Students Qualified/Passed by Sex during Academic Session 2014-2015 (ACE)

Program		No. of students			
		Appeared		Passed	
		M	F	M	F
Bachelor	Morning	02	33	33	02
Master	Morning	11	62	11	58
	Evening	25	60	16	48
Ph. D		07	10	07	10
M. Phil		06	24	06	24

INSTITUTE OF GEOLOGY

○ **Basic Enrollment**

Sr. No	Name of Program	No. of Students Enrolled in 2015-16		Total Number of Students		
		Male	Female	Male	Female	Total
1.	B.S. Applied Geology (Morning)	44	5	196	16	212
2.	B.S. Applied Geology (Replica)	46	7	101	13	116
3.	M.Phil Applied Geology	34	1	64	4	68
4.	PhD Applied Geology	2	-	10	3	13
Total:		126	13	371	36	409

○ **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:** 20:01

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Basic enrolment**
3066 Total Enrolment of all programs



○ **Gender-wise Detail**

▪ **Students Enrollment (Morning)**

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Fall 2015	209	113	322	18	33	51	47	22	69	11	3	14
Spring 2015	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2014	270	99	369	35	23	58	19	24	43	7	7	14
Spring 2014	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2013	244	102	346	--	--	--	--	--	--	5	1	6
Spring 2013	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2012	232	87	319	--	--	--	--	--	--	1	4	5
Spring 2012	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2011	--	--	--	--	--	--	--	--	--	2	--	2
Sub-Total (i)	955	401	1356	53	56	109	66	46	112	24	15	39

▪ **Self-supporting Program (Afternoon)**

Semester	Existing Students Enrollment					
	Bachelor			Master		
	Male	Female	Total	Male	Female	Total
Fall 2015	221	81	302	24	25	49
Spring 2015	--	--	--	--	--	--
Fall 2014	231	77	308	27	23	50
Spring 2014	--	--	--	--	--	--
Fall 2013	259	74	333	--	--	--
Spring 2013	--	--	--	--	--	--
Fall 2012	252	57	309	--	--	--
Spring 2012	--	--	--	--	--	--
Sub-Total (ii)	963	289	1252	51	48	99

▪ **Total Students Enrolment (Morning & Afternoon)**

	Bachelor			Master			M.Phil			Ph.D		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Total (i)	955	401	1356	53	56	109	66	46	112	24	15	39
Total (ii)	963	289	1252	51	48	99	--	--	0	--	--	--
GRAND TOTAL	1918	690	2608	104	104	208	66	46	112	24	15	39

○ **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	2608	43:4



M.Sc.	208	3:1
M. Phil/PhD	250	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:** 2856

- **Gender-wise detail:** Male:1352 Female: 1504

	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
MBA (Hons) 1.5 Year	54	53	-	-
BBA (Hons)	110	220	121	139
M.Com (Hons) 1.5 Year	38	33	-	-
M.Com 3.5 Years	28	148	57	133
B.Com (Hons)	171	149	181	117
MPhil	9	11	-	-
PhD	16	2	-	-
M.Sc IT	15	90	31	72
BS (Hons) IT	121	136	160	79
LL.B 3 Year	114	70	126	52
Total	676	912	676	592

- **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 the national and multinational organizations.

- **Faculty Student Ratio:**

one teacher for 20 students: (1:20)



Punjab University Jhelum Campus

- **Basic enrollment**

225 (M)+135(A) = 360

- **Gender-wise detail**

Male: 123 (Male) 111(Afternoon) = 234

Female: 102(Male) 24 (A) = 126

Programmer	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
Computer Science BS(CS) 4 Years Program (8 semesters)	20	25	39	06
BBA (Hons) 4 Years Program (8 semesters) Business Administration	32	13	29	16
Commerce B.Com (Hons) 4 years program (8 semesters)	23	22	43	02
Law 3 Year Annual Program	23	22		
LL.B 5 Year semester system	25	20		
Total	123	102	111	24

- **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 the national and multinational organizations.

- **Faculty Student Ratio**

One teacher for 20 students: (1:20)



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****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

- **Student Counseling and Career Guidance:**
Consolidated and focused sessions were conducted by the Student Advisors to guide the students according to their potential and academic performance.

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 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**

- DoIM got institutional membership of ALISE and CILIP in 2015-2016.
- 2015 was the year of centenary celebrations of the department, which spread over the whole year. Following events and activities were planned throughout the year to commemorate centennial celebrations of the Department;
 - The first event in this regard was “Meet & Greet Former Heads” held on 25th March 2015. Former heads of the department including Prof. Mumtaz Ali Anwar, Mr. Malik Bashir Tiwana, Mr. Malik Mushtaq Ahmad and Mr. Afzal Haq Qarshi were invited for the purpose to reconnect with the past and shared their memories. Several prominent, senior professionals and students attended the ceremony. In the end Chairperson, Prof. Dr. Kanwal Ameen, shared the recent developments and the upcoming commemorative events including an international conference. The ceremony concluded with presenting shields to the invited guests.
 - The second activity was a national symposium, “Expanding Horizons for Information Professionals: Challenges for Education & Training Programs” organized on April 9, 2015. The symposium gathered various stakeholders such as information users, information professionals/librarians and educators to discuss the various challenges of the emerging digital paradigm. Prof. Dr. Mujahid Kamran (VC) and Orya Maqbool Jan, (Secretary Archives & Libraries Wing, S&GAD) graced the event as chief and special guests respectively. The experts from all over Pakistan were on the panels for round table discussions. The information professionals/librarians from the major libraries of Lahore were among the guests too. The sessions consisted of open discussion forums on clientele information behavior, challenges for information professionals and need to restructure education and training. The interactive symposium sessions were much appreciated by the participants.
- **Pre- Conference Workshop**
 - The Department organized ICIML Pre-Conference workshops on 10 November 2015. Dr. Zaheer Ahmad Babar, Director General Public Libraries, Punjab was the chief guest of the event. All workshops were led by prominent practitioners and academicians. Mr. Muhammad Anwar (IBA), Dr. Munazza Jabeen (DLIS, Baluchistan University) and Mr. Aurang Zeb (U.S. Consulate General, Lahore) delivered their contents on the topics “Strategic Planning”, “Data Mining” and “Communication Skills”. These workshops brought together professionals and ICIML international and national attendees at one platform before conference.



▪ **International Conference on Information Management & Libraries (ICIML-2015)**

The fourth event was an International conference, held at PU on 11 November 2015. The theme of this centennial celebrations' conference was, "Looking Back, Moving Foreword". More than 500 participants from all over the country attended the event. Furthermore, foreign delegates including invited speakers from Malaysia, Singapore, Bangladesh, Kuwait, India, Iran, Saudi Arabia, Nigeria, Turkey, France, UK and USA also participated. Rana Mashhood Ahmed Khan, Minister for Education, Punjab was the chief guest. Three keynote speeches were delivered by Prof. Sanda Erdelez from USA, Prof. Yasar Tonta from Turkey and Prof. Widad Mustafa El Hadi from France at the beginning of everyday during the conference. Eighty authors contributed 57 presentations including 3 keynote speeches, 13 invited papers, 15 full papers, 9 short papers, 7 best practices and 10 short presentations. The conference also included a welcome dinner for invited speakers, cultural night and visit to Lahore Shahi Qila.

○ **Student Counseling and Career Guidance**

- Continuing Professional and Research Development Cell has been created and following formal and informal efforts are made for Student' Counseling and Career Guidance;
- New comers' formal orientation got started from 2015 and is conducted every year. They are briefed about the program, rules, procedures, facilities etc.
- Outgoing class is given a seminar on starting their career as professionals every year.
- 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).

Alumni Meetings: 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.

○ **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
Merit Scholarship	Merit Scholarship
Needy Scholarship	Student Welfare Fund
HEC Need Based Scholarship	HEC Need based Scholarship
PEEF Scholarship	PEEF Scholarship
Somitomo Scholarship	Dr. Afzal Education Trust
Friends Education Fund	
Regional and District Scholarships	
Prof. Dr. Masood Aslam Scholarship	

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 = 98
- Total Needy Scholarship Allocated = 97
- PEEF Scholarship Holders = 22
- Financial Assistance for Self-support Students = 29



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 229 students of BBIT (Hon.) have done internships in diversified industries and organizations throughout Pakistan

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **University-Industry Linkages**
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

INSTITUTE OF EDUCATION & RESEARCH

- **University-Industry Linkage / Collaboration**
Establishment of e-Rozegar center in collaboration with Govt. of the Punjab.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **University-Industry Linkage/ Collaboration**
Professionals from different industries seek guidance for solution of their problems regarding the utilization of coal.
- **Internship and Placement Office:** Yes
- **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.
- **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 Institute 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**

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

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, Bhoitian 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 [in number and detail about patent not more than one line]**

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.

- Lahore College for Women University
- Kinnaird College
- University of Veterinary and Animal Sciences
- University of Health Sciences
- The University of Lahore
- Agriculture University Faisalabad
- 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 platform 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. 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.
- **Student Counseling and Career Guidance**

Related to Career Counseling Centre, University of the Punjab



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

1. To increase yield
2. To improve quality
3. Breeding for resistant varieties against biotic and abiotic stresses.
4. 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. 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

- i) Bulleh Shah Packaging

- **New Initiatives**

Efforts are being made to sign Memorandum of Understanding with Waste Busters, Lahore

- **Internship and Placement Office**

CAMB is providing a platform to the internees. 15 students/ internees from various universities have been accommodated during 2015-16.

- **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.

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 and Prof. Dr. Muhammad Nasir attended International Conferences at Iran and Tajikistan.

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 at College of Pharmacy provide counseling and career Guidance to our students, 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 the way to obtain placement for this internship. For higher education, depending upon the expertise, the faculty members have interactions individually as well as in class to counsel their students.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **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).

- **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.

- **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 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

○ **Technology Incubation Centre**

▪ **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****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.

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**

Library of the Department added 133 new books on different subjects in this year.
Security cameras have been installed in the department.



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 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 researchs.

DEPARTMENT OF INFORMATION MANAGEMENT

- **Development projects** (Laboratories, Libraries, etc.)
 - DoIM has extended its computer lab for students.
- **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 30-09-2015	20,855
2	New books added during the reporting period	265
3	Total book as on September 30, 2016	21,120

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.)
Phase-II of building of Centre for Coal Technology has been completed successfully and the research equipment has been purchases, installed and being used for research and academic activities.

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
- **Research Equipment** (Added during the said year)
Department of Textile Engineering & Technology purchased following pieces of equipment for its laboratories

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 11 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

SHEIKH ZAYED ISLAMIC CENTRE

- **Development projects** (Laboratories, Libraries, etc.)
The library of Sheikh Zayed Islamic Centre is equipped with 14873 books on the topic of Dawah, Fiqh and Sunnah by renowned authors.

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

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Research Equipment**
There is no purchase of Research Equipment during year 2015-2016
Equipments Purchased during 2015- 2016
 - Two Humidifier Model PRH-5101 China
 - Grander Blinder Heavy Duty (Blendy BLD-736)
 - Shaking water bath Memmert Model WNB14
 - Deep Freezer PELL 385 Litre Model PDF 150
 - Nucleic Acid Sequencing System Model JY-CX1B Junyi China
 - Power Supply Model JY3000E 20-3000V Junyi China
 - EKOCH 1500 Temp Range -10-+60



- Six Gas Cylinder Used
- Four Stop watch Q&Q China made
- Two Microwave Oven Hair-2070M
- Four Deep Freezer -20 Hair (DW 40L262) Up right
- Uv Trans illuminator (Colourfluor 200BW blue Light)
- Grinder ANEX Model AG-639 75 g made in PRC
- Grinder ANEX small a part of CAMB-6690-1
- Automated Cell Counter Cat#AMQAX1000
- Fume Hood Purifume 1200 (Navapro Co.Ltd Korea)
- Rocker For Gel Rocking
- Perfusion Apparatus (Cole Parmer Master Flex L/S Pump) Model 07522-20
- Two Deep Freezer PELL 18C.Feet
- Pure & Ultra Pure Water Purification System (Korea)
- LTDNA 120-230 DNA120 SpeedVac 230
- Pearl Trilogy INTL Part No 9430-00
- Digital Block Heater for Duel Block
- Digital Meter
- Pipette man Nichipet EX II P0.5-10ul
- Pipette man Nichipet EX II P 10-100
- Pipette man Nichipet EX II P 100-1000
- Vertical Gel Apparatus Maxi Unit Model VS20WAVESYS
- Four Themometer Digital Plus Hygrometer China
- Ultra Low Temprature Freezer Model U85-13
- FluorChem FC3 with motorized f/1.2 12.5-75 mm zoom lens

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.
- **Construction projects**
 - Departmental Museum has been constructed during 2015 which meet the demand of research students of Zoology Department.
 - 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.)

The Institute has state of the art experimental laboratories which are regularly upgraded with latest equipment and apparatus:

 - 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.
 - 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.
 - Keeping in mind the practical and professional needs of MS Health Psychology students, a Health Psychology Lab and Consultancy office were also established to facilitate students as well as clients.
 - The Institute of Applied Psychology takes pride in having the largest collection of international and indigenous psychological tests and evaluative techniques and keeps on adding latest tests to its list. Use of psychological tests is strictly monitored and is in accordance with the 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 Tests
- **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**
MS Health Psychology Program was started in the year 2013 therefore keeping in view the needs of practical work of MS Health Psychology trainees a Health Psychology lab was constructed with relevant equipment to fulfill the needs of MS Health Psychology students.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

- **Research Equipment**
- Fractional Collector
 - Micro Centrifuge Machine
 - UV/Vis Spectrophotometer
 - Medium Speed Refrigerated Centrifuge J2-21
 - Shaking Water Bath
 - Laboratory Refrigerator Digital



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

Sr#	Equipments Name	Specifications	Qty	Year	Functional/ Non Functional
1.	Oven Memmert	Model: UNB-400, Make: Memmert Tem Range: Ambient +5 °C To 220 °C, Capacity: 53Ltr	03 Nos.	2015	Functional
2.	Co2 Incubator	Model: INC153med, Make: Memmert, Temp Range: 20°C to 50°C, Voltage: 230V, Humidity Range: 88-97%, Co2 Range: 0-20%	02 Nos.	2015	Functional
3.	2-D Gel Electrophoresis System	Model: Protean i121EF, Make: Bio-Rad USA, Tray Fox 13cm, Tray Fox 18cm, Tray 24cm, P2XL-wide format 1mm Tiflon Comb 15well 1mm	01 No.	2015	Functional



4.	Trinocular Inverted Microscope	Model: XDS-2, Make: Optika Italy, Trinocular: 30° inclined 360° rotating, Distance: 48 to 75mm, Specimen stage: 250 x 230mm	01 No.	2015	Functional
5.	Fume Hood	Make: Locally Fabricated 4ft Size: 54 x 54 x 26	04 Nos.	2015	Functional
6.	Gel Dryer	Model: MG3545-110/220 Make: Major Science USA Mide: 35 x 45cm Dry Area: 13-78" x 17.72	01 No.	2015	Functional
7.	Laminar Flow	Make: Locally Fabricated 4ft	04 Nos.	2015	Functional
8.	Real Time PCR Machine	Model: Piko real 96 Make: Thermo Fisher USA 96 well piko PCR plate frame, 96 well piko PCR plate clear,	01 No.	2015	Functional
9.	Ultrasonic Processor	Model: UP400S, Make: Hielscher Germany, Ultrasonic processor for stand operation, 400 watts, frequency 24KHz, Amplitude adjustable: 20- 100%	01 No.	2015	Functional
10.	Gel Documentation System	Model: Omega Fluor, Make: Aplegen USA, Size: 28 x 18 x 17, 85lbs	01 No.	2015	Functional
11.	FPLC System	Model: AKTA pure 25ml, with accessories Make: HVT Biotec Sweden	01 No.	2015	Functional
12.	Water Bath	Model: 2838, Make: Thermo Fisher Scientific Chamber Capacity: 12Ltr Temp Range: Ambient to 99.9°C Dimension: 11.5 x 12.5 x 6 inch	02 Nos.	2015	Functional
13.	Nitrogen Gas Generator	Model: NG6/-35-LC/MS Make: Wirac Automation Ltd. United Kingdom (UK)	01 No.	2015	Functional
14.	Multimedia Projector	Model: P451X, 4500 Lumens X Make: NEC, GA Motorized projection Screen 10' x 8'	01 No.	2015	Functional



15.	Shaking Incubator For Microplate	Model: Titramax 1000 Make: Heidolf Germany Vibrating plate form shaker titramx 1000, Heating Module.	01 No.	2015	Functional
16.	Micro volume Spectrophotometer	Model: DS-11 Make: Denovix USA	01 No.	2015	Functional
17.	Centrifuge Refrigerated With Angle Rotor	Model: Universal 320R Make: Hettich Germany Angle rotor 6 x 85ml, angle rotor 12 x 15ml.	01 No.	2015	Functional
18.	Ultrasonic Processor	Model: UP400S Make: Heilscher Germany With accessories	01 No.	2015	Functional
19.	Vacuum Concentrator	Model: RVC2-18CD plus1 Make: Martin Christ GmbH Germany, With accessories	01 No.	2015	Functional
20.	Flow Cytometer	Model: CY-S-3060R-V ₂ -S, Make: Sysmex With accessories.	01 No.	2015	Functional
21.	Refrigerated Orbital Shaker	Model: ZWYR- 211D Make: Labwit Australia	02 Nos.	2015	Functional
22.	Saccharification System	Capacity:50Liters Volume: 70Liters	01 No	2015	Functional
23.	Storage Tank	Capacity:100Liters Volume:100Liters	02 Nos	2015	Functional
24.	Shaking Incubator For Microplate	Model:Titramax 1000 Make: Heidolf Germany	01 No	2015	Functional

CENTRE FOR APPLIED MOLECULAR BIOLOGY

- **Development projects** (Laboratories, Libraries, etc.) (for the year 2015-16).
During 2015-16 no development project was initiated, however, following allied works were carried out on the developmental site.
 - Termite control, repair and renovation of the existing laboratory facilities were carried out to make the effective use of laboratory space.
 - Repairing of floor tiles in the laboratory areas.
- **Research Equipment**
 - Gel Electrophoresis
 - Analytical Balance
 - Microwave
 - Pipette Sets



- Air Conditioner Unites/ Temperature Control Unit for laboratory equipments to maintain the temperature of equipments.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- **Development projects** (Laboratories, Library, etc.)

Sr. No.	Particulars	Available	Addition	Total
1	Books	5432	50	5582
2	Research Journals	266	10	276
3	Thesis (M.A)	286	5	291
4	Thesis (M.Phil)	05	02	07
5	Ph.D Dissertation	06	02	08

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

- **Research Equipment**
 - Mini Mill 'Pulverisette 23'
 - Biological Safety Cabinet Model KTE-BSE-B2-4x2

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Development Projects**
 - Establishment of CIMR Meteorological Observatory with the collaboration of Pakistan Meteorological Department (PMD)
 - UN-KAKHTAH Multiversity DRR Digital Repository
 - Soil and Water Quality Lab
 - Up-grading of Computer Lab.
 - Installation of Security Cameras
 - Up keeping of surrounded area of main building of CIMR.

CENTER FOR UNDERGRADUATE STUDIES

- **Development Projects**
 - Development of internal and external green belts and lawns
 - Installation of multimedia projectors in two class rooms
 - Functioning of Aloe Vera preservation lab
- **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 100 New books in the library and number of books has been increased beyond 3651

○ **Research Equipment**

The following Research Equipment were purchased in Projects.

Sr. No.	Name of Equipment	Qty
1	Crusher (Hooper Made Covered Body) Complete	01
2	Horizontal Flow Oven	01
3	Flue Gas Analyzer	01
4	Vibrating Screen	01
5	Biogas Digester Balloon	01
6	Hydraulic Press	01
8	Hot Plat Magnetic Stirrer	01
9	Gas Leaked Detector	01
10	Centrifuge Machine	02
11	Spectrophotometer	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**
 - 97 Computers
 - 01 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	2015-16
1	Mobile Phones	5
2	Laptops	12

○ **Construction projects**

- Construction of 20 washrooms and 4 offices with kitchen & washroom (two storey building) at PUCIT New Campus.
- Construction of day care centre at PUCIT New Campus
- P/F of tough tiles approached passage to day care centre and store etc at PUCIT New Campus.
- Development of Lawn near day care centre at PUCIT New Campus.
- Construction / Extension of existing parking lots at PUCIT New Campus.

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**

Following 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

Networks

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:

1. College of Statistical and Actuarial Sciences New Building
2. Punjab University Colony
3. Department of French in Quaid-i-Azam Campus.
4. Hailey College of Banking & Finance
5. Oriental College
6. Centre for Applied Molecular Biology
7. Bachelor Male Teacher Hostel (BMT)

Wi-Fi/ Wireless internet facility in the Departments/hostels

1. I.T. Centre has installed Wi-Fi equipment in all Hostels to provide the Internet services to the students.
2. 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 Monitoring Server

Nagios 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>

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Video Conferences

Sr. No.	Date	Description (Video Conference)	Facilitated Department	Destination
1	21-12-2015	2 nd Tech meeting	I.T Centre	HEC Islamabad
2	12-01-2016	Microsoft E-Learning Portal	I.T Centre	HEC Karachi
3	15-01-2016	Windows Server 2012	I.T Centre	HEC Islamabad
4	27-01-2016	PERN meeting	I.T Centre	HEC Islamabad
5	08-03-2016	Meeting with Collaborators	Botany	Australia
6	29-03-2016	Education Assessment	VC Office	Glasgow ,UK
7	05-04-2016	World Quality day	QEC	HEC Islamabad
8	08-04-2016	Smart Universities	VC Office	HEC Islamabad
9	21-05-2016	Allocation of Grants	VC Office	HEC Islamabad
10	13-06-2016	Video Conference	Math	HEC Islamabad
11	21-06-2016	Lecture through VC	Math	HEC Islamabad
12	22-07-2016	M.Phil Viva	Coal Technology	HEC Islamabad



13	27-07-2016	Assessment and Learning Outcomes	QEC	HEC Islamabad
14	01-08-2016	Video Conference	VC Office	HEC Islamabad
15	03-08-2016	Video Conference	VC Office	HEC Islamabad
16	11-08-2016	Video Conference	QEC	HEC Islamabad

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

- **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.

DEPARTMENT OF SOCIAL WORK

Department is also working on Campus Management Solution



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 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 4148 books in the departmental library along with more than 1000 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

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 Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- **Campus Management Solution**
CMS 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 CMS.

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 PERN 2.

- **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 2016.

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.



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

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. Shakoor 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 Jafery, 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 Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Department-community interaction**
Prof. Qazi M. Farid Memorial Society
- **Alumni Affairs: Outstanding Achievements etc**
Annual gathering of Alumni Association members

DEPARTMENT OF INFORMATION MANAGEMENT

- Department-community interaction
 - The Department, in collaboration with the PU Library, National Book Foundation and PULISAA celebrated the World Book & Copyright Day on 22nd April, 2015 under the theme “Books: Building Blocks of a Civilized Society”. A seminar, followed by an awareness walk by the faculty, students and professionals, was arranged. Vice Chancellor, PU Prof. Dr. Mujahid Kamran was the chief guest and renowned writer & poet Dr. Sughra Sadaf and prominent journalist & columnist Mr. Wasif Nagi were the guest speakers at the seminar. PU Library acknowledged book lover students by rewarding books prizes. The Department also arranged a quiz competition among students and winners of this competition were awarded books by National Book Foundation.
 - Department of Information Management in collaboration with PU Library and National Book Foundation held a seminar to celebrate World Book and Copyright Day in 2016. The guest speakers Ahmed Raza Sarwar (Secretary of Archives and Libraries), Mujeeb Ur Rehman Shami (renowned journalist and Chief Editor, Daily Pakistan), Prof. Khawaja M. Zakria (writer, scholar and poet) talked on “My Books, Myself and My Personality”. The Vice Chancellor, Prof. Mujahid Kamran was the Chief Guest of the Seminar.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Alumni Affairs: Outstanding Achievements etc.**
IBA Alumni Annual Dinner & General Body Meeting was arranged on Saturday December 12, 2015 at Royal Palm, 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.
- **University role in building community**
 - Alumni Affairs: In Process

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

- **Department-Community Interaction**
Students parents interact with the teachers regarding the performance of their children.
- **Department's role in Building Community**
Centre has been producing manpower for energy sector in general and coal sector, boilers operations, coal supply chains in specific
- **Alumni Affairs: Outstanding Achievements etc.**
Our alumni are in high demand in energy and environment area of country. Many of graduates are employed at Cement Industries; Coal fired Power Plants, textile industry and coal supply chain companies, testing and Analysis of coal properties.

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

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: Alumni meeting are being held every year and students interact with their passed out seniors for job matters.



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **University – community interaction**

- CCP has been actively involved in a number of community services like providing first aid psychological help and counseling to the survivors and families of the victims of terrorist attack in Gulshan-e- Iqbal Park and tragedy of factory collapse at Sundasnagar Industrial area of Lahore.
- CCP also displayed a stall at 5th Innovation to Invention Summit of Punjab University to increase awareness among masses around psychopathology and intervention services.
- CCP, PU in collaboration with HEC and Govt. of Punjab conducted psychological assessment of seventy four selected students from all over Pakistan to be sent to China to learn Chinese Language as per Chief Minister Punjab initiative with Govt. of China.

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 Univeristy 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, one day workshop on World No Tobacco Day organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 31st July, 2016
 - Organized, one day workshop on Biotechnological techniques organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 29th July, 2016
 - Organized, one day workshop on A Better me: What do I need in life organized by Pak Youth Revolution (PYR) Welfare Organization in collaboration Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. (Session 1) 11th March, 2016
 - Organized, one day workshop on A Better me: How do I manage Life organized by Pak Youth Revolution (PYR) Welfare Organization in collaboration Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. (Session 1) 29th April, 2016



- Organized, one day workshop on GraphPad PRISM organized by Pak Youth Revolution (PYR) Welfare Organization in collaboration Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 30th October, 2015
- Organized, Public Awareness Program on Medical Camp organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 05 January, 2016
- Organized, one symposium on Diversity in Microbiology: A Cross Talk organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 17 December, 2015.
- Organized, Lecture on Kashmir Issue organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 1 March, 2016.
- Organized, one day workshop on Blood: Connect us all, WHO 2016 Theme in collaboration with Citilab and Research Centre Lahore and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 16-17 May, 2016
- **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.

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.

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. One of the activities held in collaboration with Student Counseling and Assessment Services (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 today 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 and 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 and 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 a seminar on Peace in which students were motivated towards peace rather than violence in their routine life.



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 Affairs: Outstanding Achievements etc**
About 13 Graduates of the Department of Persian are selected as Lecturer in different University and Colleges on internship basis for one year.

DEPARTMENT OF URDU

- **Alumni Affairs: 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.
 - International Mountain Day 2016
Centre for Integrated Mountain Research (CIMR), University of the Punjab, Lahore has celebrated the "International Mountain Day 2016" on December 11, 2016. The theme of this year mountain day was "Mountain Culture: Celebrating Diversity and Strengthening Identity". 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.



○ **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 2016. 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 2016 at the Annual Dinner Program. The sports program was a great success and was greatly appreciated by both students and teaching faculty.
- Like previous years, Center has successfully arranged field study tour to Rana Hunting Resort. Students of relevant subjects took part in these tours heartily. These were well-managed, disciplined, and knowledgeable tours, which increased the intellectual ability of students to a significant extent.

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) and also arrange awareness programs at the College i.e organization of Grow Festival, Anti-Dengue Campaign, Pink Ribbon Awareness Campaign etc.

○ **Department's Role in Building Community:**

A constructive role is being played by the faculty and students of the College. CEES has organized various community related campaigns ie. Pink Ribbon, Anti-Dengue Campaign, Grow Festival etc.

○ **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 and 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 2015-2016.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

International Championship: One of DSE student Muhammad Faheem won the championship title of Taekwondo in 2015-2016.

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, ludo, 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 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.
- Students (Male and Female) participated in sports Gala 2015

○ Achievements at national level:

Win one shield and two Trophies in Inter-Departmental Jashn-e- Baharan girls sports Gala, 2015

○ 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).
- Ms. Ayesha F. Barque, Faculty Advisor, PUMUN.
- Mr. Shahzeb Khan, Secretary, Journal of Research (Humanities)

DEPARTMENT OF FRENCH LANGUAGE AND LITERATURE○ **Student Leadership**

The Lahore College for Women University organized multilingual Poetry competition in which students from various institutions recited their poems in different languages. Our student Zainab Monaf, M.A Part I recited a poem in French language with confidence and enthusiasm. Dr. Saleha Nazeer and Sabrina Rasool also witnessed the occasion.

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. Tahira Jabeen (Membership & representation at various councils and bodies)
 - 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.
- Ms. Raazia Hassan Naqvi, Lecturer (Grants/Awards and Memberships)
 - Member Board of Faculty of Behavioural and Social Sciences from 2013-16.
 - 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 Pak NGOs 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.

Faculty of Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

○ **Faculty Leadership**

- Prof. Dr. Kanwal Ameen is a member of National Testing Service and HEC Curriculum Committee on LIS.

Faculty of Engineering & Technology

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

○ **Faculty leadership**

- Seniors faculty members are members of different committees formulated by HEC and PEC to improve the curriculum and quality of education (accreditation).
- Faculty members are active members of different organizations which are trying to improve the standards of education and research e.g. PEC and PICHe.



○ **Student leadership**

- Students are encouraged to join various community and social organizations for developing leadership.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Student Leadership**

- Centre for Clinical Psychology, University of the Punjab, Lahore organized Sports day in March, 2016. The students from Living Institute for Slow Learners, Centre for Clinical Psychology participated in sports activities (i.e. displaying stalls of handicraft made by them, news bulletin, performing on songs, stage drama and poems). Cricket, badminton, football, Aerobics various types of races, Tug of war and fun games were organized on this occasion.
- A one day recreational trip to Khewra mines and three days stay trip to Muree and Islamabad was arranged for the students of CCP to lighten up their moods and refresh their minds.
- A faculty trip of CCP for Sight Seeing Lahore was arranged to refresh them after university's hectic routine.
- Center for Clinical Psychology arranged Eid Miladun Nabi on the eve of 12 Rabi-ul-Awal.
- Annual dinner was arranged for Center for Clinical Psychology on 15th April 2016.
- Independence Day 14th August, 2016 was celebrated with enthusiasm and Patriotism. Director, CCP, faculty members and students of Centre for Clinical Psychology, University of the Punjab, Lahore participated in the walk to show unity and discipline.
- Center for Clinical Psychology, Punjab University organized an event to pay tribute to the martyrs of the Army Public School Peshawar in Dec, 2015.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Faculty Leadership**

- Dr. Khalida Khan
 - Looking after administrative affairs of the Centre as a Director.
 - Chairperson, UNSCO.
 - Member, SAARC Academic Alliance, 2015
 - 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 Board of Trustees by the HEAD Foundation, (Kohistan and Gilgit Baltistan Community Foundation) Jan. 2013, based at Islamabad
- Initiation of academic and research programs for the CASR, Khanaspur Campus
- Supervising the M.Sc., M.Phil. and Ph.D. research thesis
- Initiation of 3 CH course in MPhil/PHD program titled “Satoyama Initiative and Sustainable Development” under International Partnership for Satoyama Initiative (IPSI), Japan,
- Preparation of Development Project “PC-I of the CIMR”, Punjab University, Lahore Submitted for mega project of Punjab University for HEC
- Preparation of PCI regarding revival of Khanspur Campus, Ayubia as a Field Research Station right in the mountainous areas of Pakistan
- **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 various 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 2016

Nos. of Positions

Individual Prizes			Team Trophies	Total
1 st Prizes	2 nd Prizes	3 rd Prizes		
152	57	63	42	314 Nos.

Achievements in 2016

1. Bloomfield Hall Declamation Contest 2016 at Bloomfield Hal School, Lahore On 09-01-2016

Category	Name of Students	Department	Position
English	Ms. Rameesha Khan	College of Pharmacy	3 rd
Urdu	Hamza Mustafa	University Law College	1 st

Punjab University students has won TEAM TROPHY in Declamation Contest.

2. Punjab Chief Minister Debate, Essay Writing and Speech (English & Urdu) Competitions 2016

Provincial Level

Urdu Speech Competition on 08-01-2016

Level of Competition	Name of Student	Department	Position	Cash Prize Received Rs.
Post Graduate	Huzaifa Anwar	College of Engineering & Emerging Technology	1 st	2,00,000/-



English Speech Competition on 11-01-2016

Level of Competition	Name of Student	Department	Position	Cash Prize Received Rs.
Post Graduate	Ms. Rameesha Khan	College of Pharmacy	3 rd	1,00,000/-

English Debate Competition on 14-01-2016

Level of Competition	Name of Student	Department	Position	Cash Prize Received Rs.
Degree	Shehan Zafar	Punjab University College of Information Technology	3 rd	1,00,000/-

Urdu Essay Writing Competition on 15-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Post Graduate	Mian Faizan Amjad	University Law College	2 nd	1,50,000/-
Degree	Saqib Rashid	Institute of Agricultural Sciences	3 rd	1,00,000/-

English Essay Writing Competition on 07-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Post Graduate	Muhammad Asad Ayaz	Department of English	2 nd	1,50,000/-
Degree	Muhammad Zakria Khan	Institute of Chemical Engineering & Technology	3 rd	1,00,000/-

Punjab Divisional Level, Lahore

Punjab Chief Minister Debate, Essay Writing and Speech (English & Urdu) Competitions 2016

English Debate Competition on 14-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Shehan Zafar	Punjab University College of Information Technology	1 st	5000/-
	Muhammad Salman Farrukh	University Law College	3 rd	2000/-
	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	2 nd	3000/-
Post Graduate	Sohail Ahmad	University Law College	1 st	5000/-



Urdu Essay Writing Competition on 15-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Saqib Rashid	Institute of Agricultural Sciences	1 st	5000/-
Post Graduate	Ms. Saliha Afzal	Department of Botany	1 st	5000/-
	Mian Faizan Amjad	University Law College	1 st	5000/-

English Essay Writing Competition on 07-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Syeda Areen Zahra	Institute of Business & Information Technology	3 rd	2000/-
	Muhammad Zakria Khan	Institute of Chemical Engineering & Technology	1 st	5000/-
Post Graduate	Muhammad Asad Ayaz	Department of English	1 st	5000/-
	Ms. Ayesha Yasin	Department of English	3 rd	2000/-

Urdu Speech Competition on 08-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Post Graduate	Huzaifa Anwar	College of Engineering & Emerging Technology	1 st	5000/-
Degree	Syed Usman Aqeel	Institute of Communication Studies	3 rd	2000/-

English Speech Competition on 11-01-2016

Level of Competition	Name of Students	Department	Position	Cash Prize Received Rs.
Degree	Ismail Shewani	Punjab University College of Information Technology	1 st	5000/-
Post Graduate	Ms. Rameesha Khan	College of Pharmacy	1 st	5000/-

Lahore District Level

Punjab Chief Minister Debate, Essay Writing and Speech (English & Urdu) Competitions 2016.

English Debate Competition on 05-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
	Muhammad Salman Farrukh	University Law College	3 rd	1000/-



Degree	Shehan Zafar	Punjab University College of Information Technology	2 nd	2000/-
	Ms. Fizzah Akhtar	Institute of Biochemistry & Biotechnology	2 nd	2000/-
Post Graduate	Sohail Ahmad	University Law College	2 nd	2000/-
	Hamid Riaz	Punjab University College of Information Technology	3 rd	1000/-

Urdu Essay Writing Competition on 06-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Saqib Rashid	Institute of Agricultural Sciences	3 rd	1000/-
Post Graduate	Ms. Saliha Afzal	Department of Botany	1 st	3000/-
	Mian Faizan Amjad	University Law College	1 st	3000/-

English Essay Writing Competition on 07-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Syeda Areen Zahra	Institute of Business & Information Technology	2 nd	2000/-
	Muhammad Zakria Khan	Institute of Chemical Engineering & Technology	2 nd	2000/-
Post Graduate	Muhammad Asad Ayaz	Department of English	1 st	3000/-
	Ms. Ayesha Yasin	English	3 rd	1000/-

Urdu Speech Competition on 08-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Syed Usman Aqeel	Institute of Communication Studies	1 st	3000/-
Post Graduate	Huzaifa Anwar	College of Engineering & Emerging Technology	2 nd	2000/-
	Ms. Shabhat Qamar	College of Pharmacy	1 st	3000/-

English Speech Competition on 11-01-2016

Level of Competition	Names of Students	Department	Position	Cash Prize Received Rs.
Degree	Ismail Sherwani	Punjab University College of Information Technology	2 nd	2000/-
Post Graduate	Ms. Rameesha Khan	College of Pharmacy	3 rd	1000/-



2. Parliamentary style Debates Competition Organized by Lahore School of Economics, Lahore from 16-01-2016 to 18-01-2016.

Participants	Institution	Position
Ammar Rafaqat	ICET	Under-19 Best Speaker Award

3. All Pakistan Forman Tera Lingual Declamation Championship at Forman Christian College, Lahore 31-01-2016 to 02-02-2016.

Competition	Participants	Institution	Position
English Serious	Rameesha Khan	College of Pharmacy	1 st
Urdu Humorous	Hamza Mustafa	University Law College	3 rd
Punjabi Debate	Hamza Mustafa	University Law College	1 st

The Punjab University students bagged TEAM TROPHY.

4. All Pakistan Waleed Iqbal Bilingual Declamation Contest 2016 Organized by University College Lahore from 28-01-2016 to 31-01-2016.

Competition	Participants	Institution	Position
English Serious	Tajmeel Hussain	Institute of Chemical Engineering & Technology	1 st
Urdu Humorous	Hamza Mustafa	University Law College	2 nd

5. 4th Jashan-e-Bahran Inter Universities Competitions 2016 Organized by Chief Minister Youth Mobilization Committee (Cmymc), Lahore From 5-02-2016 To 07-02-2016.

Competition	Participants	Institution	Position
Calligraphy	Mudassar Ali	College of Art & Design	2 nd
Photography	Dawar	Institute of Business Administration	1 st
Theater	PU Team		1 st Team Trophy

6. Ali Hajvery all lahore Bilingual Declamation Competition at Fast National University of Computer & Emerging Sciences, Lahore on 11-02-2016.

Competition	Participants	Institution	Position
English Serious	Shehan Zafar	PUCIT	3 rd

7. 5th Fast Debating Championship at Fast National University of Computer & Emerging Sciences, Lahore from 12-02-2016 To 14-02-2016.

Competition	Participants	Institution	Position
Urdu Parliamentary	Sami Ullah	PUCIT	2 nd Runners Up
	Erfa Khurshid	University Law College	
English Parliamentary	Hamid Riaz	PUCIT	3 rd Runners Up
	Salman Farrukh	University Law College	



8. Parliamentary Debates Competition at University of Lahore, Lahore from 19-02-2016 to 22-02-2016.

Competition	Participants	Institution	Position
Urdu Parliamentary	Sohail Ahmad	University Law College	1 st Best Speaker

9. Dramafest 2016 at Fast National University of Computer and Emerging Sciences, Lahore from 19-21, february 2016.

Position	Student Name	Institution
1 st Best Technical	Hammas Ch.	Institute of Communication Studies
	Nabeel Manzoor	HCC
	Hashim	Institute of Communication Studies
1 st Best production	Wajahat Aurangzeb	Institute of Business Administration
1 st Best Actress	Subaina Javed	Institute of Business Administration
1 st Best Team	Subaina Javed, Sibte Hassan, Roshaney Saeed, Zain Assi, Muneeb Khan, Asim Ch, Muneeb Malik, Abu Bakar, Hashim, Sohaib Mugeera, Hammas Ch, Syeda Labiqua, Khula Jamal, Arslan, Haseeb, Wajahat,	IBA, ISCS, ISCS, ISCS, PUCIT, ICS, ICS, ICS, ICS, ICS, IBA, CAD, CHEP, IBA
1 st BEST PLAY (Team Trophy)	Subaina Javed, Sibte Hassan, Roshaney Saeed, Zain Assi, Muneeb Khan, Asim Ch, Muneeb Malik, Abu Bakar, Hashim, Sohaib Mugeera, Hammas Ch, Syeda Labiqua, Khula Jamal, Arslan, Haseeb, Wajahat,	IBA, ISCS, ISCS, ISCS, PUCIT, ICS, ICS, ICS, ICS, ICS, IBA, CAD, CHEP, IBA

10. 9th All Pakistan Zia Mohayuddin Aizaz Urdu Poetry Competition 2016 at School of International Studies In Science & Arts, Lahore N 03-03-2016

Competition	Participants	Institution	Position
Urdu Nazm	Sohaib Mugeera	Institute of Communication Studies	1 st
Urdu Ghazal	Mushtaq Ahmad	Deptt. Of Urdu	3 rd

11. 4th All Pakistan Begum Salima Salmullah Urdu Mushaira Competition At Sisa, Lahore On 04-03-2016

Competition	Participants	Institution	Position
Urdu Ghazal	Ali Hassan	Institute of Communication Studies	1 st



12. Performing arts Festival 2016 Organized by University College Lahore from 26-02-2016 to 28-02-2016.

Competition	Participants	Institution	Position
Best Director	Hammas Hammed Ch.	Institute of Communication Studies	1 st
Lead Actress	Andleeb Khan	Instt. Of Applied Psychology	1 st
Best Technical	Hashim Umer	Institute of Communication Studies	1 st
Singing	Muslim Shagan	Institute of Communication Studies	1 st
Battle of Bands	Zeeshan Ali	Instt. Of Social & Cultural Studies	2 nd
Dance	Hamza Ijaz	College of Art & Design	1 st

13. Singing Competition 2016 Organized By Masood Khadar Posh Trust, Lahore On 27-02-2016

Competition	Participants	Institution	Position
Singing	Ghuffran Chishti	College of Art & Design	2 nd

14. Mega Challenges 2016 organized by Ministry of Youth Affairs, govt. of KPK from 03-03-2016 to 07-03-2016.

Competition	Students Name	Department	Position & Cash Prize
Drama	Sibte Hassan Usama Ghayyur Zain ul Abdeen Ms. Subaina Javed Ms. Sara Tariq Ms. Roshaney Saeed Hasnain Jamil	Institute of Social & Cultural Studies Institute of Communication Studies Institute of Social & Cultural Studies Institute of Business Administration Institute of Administrative Sciences Institute of Social & Cultural Studies Institute of Social & Cultural Studies	1 st 25000/-
Calligraphy	Javed Iqbal	College of Art & Design	1 st 25000/-
Short Film	Salman Alam Asim Zubair Haris Bhatti	Institute of Communication Studies Institute of Communication Studies Institute of Communication Studies	1 st 25000/-
Photography	Salman Alam	Institute of Communication Studies	1 st 25000/-
Urdu Singing	Ghuffran Chishti	College of Art & Design	1 st 25000/-
Pashto Singing	Muslim Shagan	Institute of Communication Studies	2 nd 15000/-
Hindco Singing	Zeeshan Ali	Institute of Social & Cultural Studies	1 st 25000/-
Music Band	Zeeshan Ali Muhammad (Moon) Haris	Institute of Social & Cultural Studies Punjab University College of Information & Technology Institute of Social & Cultural Studies	1 st 25000/-
Naa't	Ms. Sadia Ashraf	Department of Zoology	1 st 25000/-

Total cash received Rs.	1 st prize 13 x 25000/-	325000/-
	2 nd prize 02 x 15000/-	30000/-
	Over All Team Trophy:	<u>200000/-</u>
		Rs. 550000/-

Participants	Institution	Position
Salman Farrukh	University Law College	1 st
Shehan Zafar	PUCIT	2 nd
Tajmeel Hussain	Instt. Of Chemical Engineering Technology	2 nd

16. Inter University Debate Competition at University of Engineering & Technology, Faisalabad
On 14-03-2016

Competition	Participants	Institution	Position
Urdu Serious	Muhammad Ahtisham Javed	Instt. of Chemical Engineering Technology	1 st
	Syed Johan Hassan	Institute of Business Administration	

17. Debate Competition at Nazaria-I-Pakistan Trust, Lahore On 15-03-2016

Competition	Participants	Institution	Position
Urdu Serious Debate	Qaiser Khalil	Institute of Administrative Sciences	1 st
Urdu Serious Debate	Ms. Shaishta Fajar	Deptt. Of Zoology	3 rd



18. Superior Talent Jamboree 2016 At Superior University, Lahore On 15-03-2016

Competition	Participants	Institution	Position
Fashion Show	Munsif, Hairs, Naeem, Bushra Khan, Daniyal, Hashmi, Faisal Asghar, Hammad Rashid, Fayyaz, Amir, Mahmood, Ali	Institute of Communication Studies	1 st
Play	Muneeb Khan	Institute of Communication Studies	1 st Best Actor
Play	Hammas Ch. Asim. Muneeb, Zuha Ashraf, Andleeb, Waleed, Irfan Hashmi, Sibte, Hashim, Khizra.	ICS, Cli. Psy. ISCS	1 st Team Trophy
Painting	Yahya Ishtiaq	College of Art & Design	2 nd Runners Up Rs. 15000/-
Singing	Wahaj Farooq Saim Bashir	Institute of Communication Studies	2 nd

19. Nazaria-I-Pakistan Trust Competitions Organized By Nazaria-I-Pakistan Trust, Lahore From 17-03-2016 To 18-03-2016

Competition	Participants	Institution	Position
National Songs	Ms. Sana Batool	Institute of Education & Research	2 nd
Painting	Ms. Shamsa Hashmi	College of Art & Design	1 st

20. Quiz Competition regarding Pakistan day Celebrations 2016 Organized by uni. of Education with the Collaboration with HED, Lahore at Al-Hamra Hall-iii, Mall Road, Lahore on 20-03-2016

Competition	Participants	Institution	Position
Quiz	Naeem Bashir	Deptt. of Pol. Science	1 st Team Trophy
	Tauqeer Ahmad	Deptt. of Pol. Science	

21. Speech Competition Regarding Pakistan Day Celebrations 2016 Organized By HED, Lahore at Al-Hamra Hall-III, Mall Road, Lahore On 17-03-2016

Competition	Participants	Institution	Position
English Serious	Ms. Rameesha Khan	College of Pharmacy	1 st
Urdu Serious	Syed Usman Aqeel	Instt. Of Communication Studies	2 nd

22. Essay Writing Competition regarding World Water day Organized by Pakistan Water-e-Power Development Authority, Lahore on 22-03-2016.

Competition	Participants	Institution	Position
Urdu Essay	Mian Faizan Amjad	University Law College	3 rd Rs. 10000/-



23. 3rd Shalamar Medical and Dental College Intercollegiate Trilingual Declamation Competition 2016

Competition	Students Name	Department	Positions
Declamation English	Shehan Zafar	Punjab University College of Information Technology	2 nd
Declamation Urdu	Mubashir Saeed	Pharmacy	1 st

24. National song singing competition at govt. College university, lahore organized by hed, punjab lahore on 22-03-2016

Competition	Students Name	Department	Positions
Singing	Ghufran Chishti	College of Art & Design	2 nd

25. 21st Govt. College University Style Parliamentary Debates Competition at Govt. College University, Lahore from 25-28, March 2016

Competition	Students Name	Department	Positions
Parliamentary Debate	Hamid Riaz	PUCIT	1 st Best English Speaker
	Sohail Ahmad	University Law College	3 rd Best Urdu Speaker

26. 4th Lyallpur Art & Literature Festival Organized By University of Agricultural, Faisalabad-2016 From 28-03-2016 To 01-04-2016

Competition	Students Name	Department	Positions
Qiraat	Hafiz Asad Sharif	Hailey College of Commerce	1 st
Naat	Hafiz Muhammad Shahid	Institute of Communication Studies	3 rd
English Declamation	Ms. Rameesha Khan (English Serious)	College of Pharmacy	1 st
Urdu Declamation	Hamza Mustafa (Urdu Humorous)	University Law College	1 st
Punjabi Natara	Sulman Afzal	Institute of Business & Information Technology	1 st
Urdu Ghazal	Mushtaq Ahmad	Department of Urdu	1 st
Urdu Nazm	Sohaib Mugheera	Institute of Communication Studies	1 st
Punjabi Ghazal	Chand Shakeel	Department of Urdu	1 st
English Poem	Ms. Zainab Iqbal	Department of English	2 nd
Bait Bazi	Mushtaq Ahmad	Department of Urdu	1 st
	Safdar Kazmi	Department of Urdu	
Afsana	Sohaib Mugheera	Institute of Communication Studies	1 st
Short Story	Hira Rafique Rao	Department of English	1 st
Essay Writing	M. Asad Ayaz	Department of English	3 rd

Punjab University Students Have Won **Two Team Trophies**

(one in Declamation Contest and the other Poetry Competition)



27. Punjab Chief Minister Qiraat & Naat Competitions Organized by HED, Govt. of Punjab on 24-03-2016.

Competition	Students Name	Department	Positions	Cash Prize
Qiraat	Hafiz Asad Sharif	Hailey College of Commerce	2 nd	75,000
Naat	Ms. Saida Ashraf	Department of Zoology	1 st	1,00,000

28. Safdar Meer Punjabi Takra Govt. College University Lahore on 06-04-2016

Competition	Students Name	Department	Positions
Punjabi Debate	Hamza Mustafa	University Law College	1 st
	Mubashir Saeed	College of Pharmacy	2 nd

Punjab University students bagged **TEAM TROPHY**.

29. Debate Competition in the Perspective of Tax Day on 10-04-2016 Organized by Punjab Revenue Authority, Govt. of Punjab, Lahore. at Govt. College University, Lahore.

Competition	Students Name	Department	Positions
English Debate	Hamid Riaz	PUCIT	1 ST
Urdu Debate	Sohail Ahmad	University Law College	3 rd

30. 2nd All Pakistan Bilingual Declamation Contest 2016 at Lahore University of Management Sciences, Lahore From 09-04-2016 To 10-04-2016.

Competition	Students Name	Department	Positions
English Debate	Ismail Sherwani	PUCIT	1 st
Urdu Debate	Salman Afzal	IBIT	2 nd

Over All Team Trophy

31. 17th All Pakistan Bilingual Declamation Contest & Punjabi Taakra At Kind Edward Medical University From 13-04-2016 To 14-04-2016.

Competition	Students Name	Department	Positions
Urdu Debate	Huzaiifa Anwar	College of Engineering & Emerging Technology	1 st
Punjabi Debate	Hamza Mustafa	University Law College	2 nd
English Debate	Hammas Ch.	Institute of Communication Studies	3 rd

32. Lafz 16, 4th All Pakistan Bilingual Declamation Contest 2016 at University of Gujrat, Gujrat from 11-12, April 2016.

Competition	Students Name	Department	Positions
English Humorous Debate	Hammas Ch	Institute of Communication Studies	3 rd
Urdu Debate	Huzaiifa Anwar	College of Engineering & Emerging Technology	Consolation



33. CDES 18th all Pakistan Performing Arts Festival 2016. Punjab university team has also been declared overall champion of this mega event. This mega event was organized by Ghulam Ishaq Khan Institute of Engineering Sciences & Technology (GIKI) Topi, District Swabi from 15-04-2016 to 17-04-2016.

Position	Participants	Institution
Best Production	Wajahat Aurangzeb	Institute of Business Administration
Best Actress	Subaina Javed	Institute of Business Administration
Best Supporting Actor	Zain ul Abdeen	Institute of Social & Cultural Studies
Best Vocalist	Zeeshan Ali	Institute of Social & Cultural Studies
Best Instrumental	Muslim Shagan Zeeshan Ali	Institute of Communication Studies Institute of Social & Cultural Studies
Best Choreographer	Hamza Ijaz	College of Art & Design
Best Band	Zeeshan Ali Muslim Shahgan	Institute of Social & Cultural Studies Institute of Communication Studies
Best Play (Team Trophy)	Subaina Javed Sibte Hassan Osama Ghayyur Ms. Sara Tariq Ms. Roshaney Saeed Syeda Labiqua Hassan Hasnian Jameel Zain ul Abdeen Usman Rehan Wajahat Aurangzeb Hammas Ch. Hashim Umer Ateeq ur Rehman Atta Subhani Muhammad Arsalan Zeeshan Ali	Institute of Business Administration Institute of Social & Cultural Studies Institute of Communication Studies Institute of Administrative Sciences Institute of Social & Cultural Studies Institute of Business Administration Institute of Social & Cultural Studies Institute of Social & Cultural Studies Institute of Quality & Tech. Management Institute of Business Administration Institute of Communication Studies Institute of Communication Studies Institute of Chemistry Institute of Social & Cultural Studies Centre for High Energy Physics Institute of Social & Cultural Studies

34. Nazriya Pakistan Trust Lahore Competition Kalam-I-Iqbal On 11-04-2016

Competition	Participants	Institution	Position
Kalam-i-Iqbal	Haroon	PUCIT	1 st

35. Bilingual declamation contest 2016 & mushaira competition at fatima memorial hospital, lahore on 18-04-2016. Punjab university team claimed team trophy in declamation contest.



Event	Students Name	Department	Position
Declamation Contest	Rameesha Khan (English Serious)	College of Pharmacy	2 nd
	Hamza Mustafa (Urdu Humorous)	University Law College	1 st
Mushaira Competition	Sohaib Mugheera (Urdu Nazm)	Institute of Communication Studies	1 st
	Mubashir Saeed (Urdu Ghazal)	College of Pharmacy	Consolation Prize

36. 17th All Pakistan Parliamentary Debating Championship Kemu 2016 Organized By King Edward Medical University, Lahore From 22-04-2016 To 25-04-2016.

Competition	Participants	Institution	Position
English Parliamentary	Hamid Riaz	Punjab University College of Information Technology	Won Team Trophy
	Muhammad Abu Bakar	University Law College	
	Shehroz Ayub	Punjab University College of Information Technology	
Urdu Parliamentary	Sohail Ahmad	University Law College	Runners Up Trophy
	Erfa Khurshid	University Law College	
	Sami Ullah	Punjab University College of Information Technology	

37. 2nd Round of 18th All Pakistan Inter-University Declamation Contest For Award Of “Allama Iqbal Shield” At Regional Level On 29-04-2016.

Competition	Participants	Institution	Position
English Declamation	Shehan Zafar	Punjab University College of Information Technology	2 nd
	Ms. Rameesha Khan	College of Pharmacy	3 rd

38. Funkariyan 2016 organized by university of central punjab, lahore from 28-04-2016 to 30-04-2016.

Position	Participants	Institution
Best Actress	Andleeb Khan	Institute of Cli. Psychology
Best Supporting Actor	Asim Ch.	Institute of Communication Studies
Best Makeup	Khizra Waqar	Institute of Communication Studies
Best Stand-up Comedy	Asim Ch.	Institute of Communication Studies



BEST TEAM	Hammas Ch. Usama Ghayyur Sibte Hassan Andleep Khan Ms. Roshaney Saeed Hasnian Jameel Zain ul Abdeen Hashim Umer Atta Subhani Maira Sajid Asim Choudhry Wajahat Aurangzeb Feroz Butt M. Umair M. Asad Rabia Khizra Waqar	Institute of Communication Studies Institute of Communication Studies Institute of Social & Cultural Studies Institute of Cli. Psychology Institute of Social & Cultural Studies Institute of Social & Cultural Studies Institute of Social & Cultural Studies Institute of Communication Studies Institute of Social & Cultural Studies Institute of Communication Studies Institute of Communication Studies Institute of Communication Studies Institute of Business Administration Institute of Communication Studies Institute of Communication Studies Pol Sci. Institute of Communication Studies Institute of Communication Studies
Best Play (Team Trophy)	Hammas Ch. Usama Ghayyur Sibte Hassan Andleep Khan Ms. Roshaney Saeed Hasnian Jameel Zain ul Abdeen Hashim Umer Atta Subhani Maira Sajid Asim Choudhry Wajahat Aurangzeb Feroz Butt	Institute of Communication Studies Institute of Communication Studies Institute of Social & Cultural Studies Institute of Cli. Psychology Institute of Social & Cultural Studies Institute of Social & Cultural Studies Institute of Social & Cultural Studies Institute of Communication Studies Institute of Social & Cultural Studies Institute of Communication Studies Institute of Communication Studies Institute of Communication Studies Institute of Business Administration Institute of Communication Studies

WON TEAM TROPHY

39. 5th All Pakistan Literature Festival 2016 At Uet, Lahore From 28-04-2016 To 29-04-2016.

Competition	Participants	Institution	Position
Bait Bazi	Haseeba	Department of Urdu	2 nd
Punjabi Ghazal	Chand Shakil	Department of Punjabi	3 rd
Urdu Arfana Kalam	Iram Rafiq	Department of Urdu	3 rd

40. All Lahore Bilingual Declamation Contact 2016 at Govt. College of Science, Wahdat Road, Lahore on 05-05-2016



Competition	Participants	Institution	Position
Urdu Debate	Shabhat Qamar	College of Pharmacy	1 st
English Debate	Shehan Zafar	Punjab University College of Information Technology	2 nd

41. 7th All Pakistan Debating Championship 16 at Allama Iqbal Medical College, Lahore from 06-5-2016 to 09-05-2016.

Competition	Participants	Institution	Position
English Parliamentary	Hamid Riaz	Punjab University College of Information Technology	Team Trophy 1 st Position
	Abu Bakar	University Law College	
Urdu Parliamentary	Sami Ullah	Punjab University College of Information Technology	Runners Up 2 nd Position
	Awais	University Law College	

42. All Pakistan Mushaira Competition Organized by King Edward Medical College University, Lahore on 10-05-2016

Competition	Participants	Institution	Position
Bait Bazi	Mushtaq Ahmad	Department of Urdu	2 nd
	Haseeba Jamshaid	Department of Urdu	

43. 5th Ibe-E-Sina All Pakistan Declamation Championship Organized By Punjab University College, Faisalabad On 12-05-2016

Event	Students Name	Department	Position
Declamation Contest	Huzaiifa Anwar (Urdu Serious)	College of Engineering & Emerging Technology	1 st
	Hamza Mustafa (Punjabi Debate)	University Law College	1 st
	Hammas Ch. (English Humorous)	Institute of Communication Studies	

Punjab University team has also been declared **TEAM TROPHY** of this declamation contest.

44. 1st PMC All Pakistan Parliamentary Championship 16 Organized by Punjab University College, Faisalabad From 13-5-2016 To 15-05-2016.

Competition	Participants	Institution	Position
Urdu Parliamentary	Sami Ullah	Punjab University College of Information Technology	Won Team Trophy
	Erfa Khurshid	University Law College	
	Rashid Tashfeen	University Law College	



English Parliamentary	Sameen Fawad	Institute of Biochemistry & Biotechnology	Won Team Trophy
	Amna Fawad	Institute of Biochemistry & Biotechnology	
	Fizzah Akhtar	Institute of Biochemistry & Biotechnology	
English Parliamentary	Hamid Riaz	Punjab University College of Information Technology	Runners Up Trophy
	Muhammad Abu Bakar	University Law College	
	Shehroz Ayub	Punjab University College of Information Technology	
Urdu Parliamentary	Erfa Khurshid	University Law College	Best Urdu Speaker
English Parliamentary	Sameen Fawad	Institute of Biochemistry & Biotechnology	Best English Speaker

45. 1st Jinnah Bilingual Declamation Championship At Lahore High Court Bar, Lahore On 11-05-2016

Competition	Participants	Institution	Position
English Debate	Rameesha Khan	College of Pharmacy	1 st
Urdu Debate	Hamza Mustafa	University Law College	3 rd

Punjab University Team has also claimed **TEAM TROPHY** of this declamation contest.

46. 11th All Pakistan Declamation Contest 2016 At Nfc Institute Of Engineering & Fertilizer Research, Faisalabad From 18-05-2016 To 19-05-2016

Competition	Participants	Institution	Position
English Debate	Ismail Sherwani	PUCIT	1 st
Urdu Debate	Salman Afzal	IBIT	2 nd

Punjab University team has also been declared **TEAM TROPHY** of this declamation contest.

47. Final round of 18th all Pakistan Inter-university Declamation Contest for Award of "Allama Iqbal Shield" at Islamabad on 26-05-2016.

Competition	Participants	Institution	Position	Cash Prize Received in Rs.
English Declamation	Shehan Zafar	Punjab University College of Information Technology	1 st	1,00,000/-
	Ms. Rameesha Khan	College of Pharmacy	2 nd	75,000/-

48. 1st Nawa-E-Seroosh All Pakistan Declamation Contest 2016 On 30-05-2016 At Rawalpindi Arts Council, Rawalpindi.



Competition	Participants	Institution	Position
English Debate	Ismail Sherwani	PUCIT	3 rd
Urdu Debate	Ehtisham Javed	Chemical Engineering	3 rd

49. PTV Azadi Quiz Competition Regarding Independence Day Organized By PTV Lahore On 05-08-2016

Competition	Participants	Institution	Position
Quiz	Naveed Sial	Pakistan Study Centre	1 st
	Sami Ul Haq	Chemical Engineering	

And Qualified for Final round held at PTV, Islamabad

50. Final Round of PTV Azadi Quiz Competition Regarding Independence Day Organized by PTV Centre Islamabad On 09-08-2016

Competition	Participants	Institution	Position
Quiz	Naveed Sial	Pakistan Study Centre	1 st Also received cash prize Rs. 50,000/-
	Sami Ul Haq	Chemical Engineering	

51. Inter-university Quiz Competition regarding Independence Day Celebrations on 09-08-2016 Organized by the University of Engineering & Technology, Lahore with the Collaboration of Higher Education Department, Govt. of Punjab, Lahore.

Sr.No.	Names of Team Members	Departments	Position
1.	Mr. Mehboob	Pakistan Study Centre	Runner Up Trophy
2.	Ms. Sameen	Institute Biochemistry & Biotechnology	

52. Inter-university urdu speech competition regarding independence day celebrations on 13-08-2016 organized by the university of education, lahore with the collaboration of higher education department, govt. Of punjab, lahore.

Sr. No.	Participants Name	Departments	Position
1.	Ms. Shabahat Qamar	College of Pharmacy	1 st
2.	Ms. Shaista Fajjar	Department of Zoology	3 rd

53. Express education & career expo organized by express media group Flatties Hotel, Lahore from 09-10, August 2016.

Competition	Participants	Institution	Position
Dance	Atta Subhani	ISCS	1 st
Battle of Band	Ghufran Chishti, Fiza	CAD Law	3 rd



Drama	Usama, Muneeb, Roshaney, Aroosa Tariq, Atteeq, Umar etc.	ICS, PUCIT, ISCS, IAS, Chemistry, Pol. Sci.	3 rd
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54. Hazrat Hassan Bin Sabit (razi allah tallah anha) Husne Qiraat & Naat Competition at Govt. College University, Lahore. On 06-10-2016.

Competition	Participants	Institution	Position
Qiraat	Hafiz Asad Sharif	HCC	1 st
Naat	Sadia Ashraf	Zoology	1 st

55. Students Music Competition 2016 organized by all Pakistan music conference at Al-hamra Arts Council, Lahore.

Competition	Participants	Institution	Position
Music Conference	Ghufran Chishti	CAD	1 st Gold Medal
	Awais	Department of English Language & Literature	1 st Gold Medal
	Haroon Mughal	PUCIT	3 rd
	Ali Jan	Institute of Communication Studies	1 st Gold Medal
	Abisaloon	University Law College	3 rd

OVER ALL TEAM TROPHY

56. World space week (wsw) 2016 university declamation competition at Pakistan Space & Upper Atmosphere Research Commission (SUPARCO), Lahore on 19-10-2016.

Competition	Participants	Institution	Position
English Humorous	Hammas Ch.	Institute of Communication Studies	1 st
Urdu Speech	Ehtisham Javed	CEET	2 nd

57. Debate And Kalam E Iqbal Singing Competitions 2016 At Nazria Pakistan Trust

Competition	Participants	Institution	Position
Kalam-e-Iqbal Singing Competition	Awais Ahmad	Deptt. Of English	1 st
Speech Competition	Fahad Shahbaz	Institute of Communication Studies	1 st

58. All Pakistan Pashto Debating Competition organized by Edwards College, Peshawar on 13-12-2016.

Competition	Names of Team Members	Institutions	Position
Pashto Debate	Abrar Ahmad	University Law College	1 st

59. Bazm-E-Hayat Jhang Organized By Jhang College From 24-26, November 2016

Competition	Participants	Institution	Position
Arfana Kalam	Awais Ahmad		1 st
Urdu Nazm	Ishaa Yasin		1 st
Punjabi Ghazal	Manzoor Hamshaid		2 nd



Urdu Speech	Joahn Hassan Zaidi	Institute of Business Administration	2 nd Team Trophy
English Speech	Salar Ahsan	Institute of Business Administration	3 rd

60. Government College Bhakkar organized by Govt. College Bhakkar from 30th november to 02 december, 2016.

Competition	Participants	Institution	Position
Naat	Ali Khalid	Deptt of Physics	3 rd
Urdu Nazm	Mustafa	Deptt of Urdu	3 rd
Urdu Debate	Habib	CEET	1 st
Punjabi Takra	Hamza Mustafa	University Law College	1 st
Urdu Debate	Ehtisham Javed	CEET	3 rd
English Debate	Salar Ahsan	Institute of Business Administration	2 nd
English Debate	Zohaib Nasir	CEES	3 rd

OVER ALL TEAM TROPHY

61. Nukta 16 at Pakistan Institute of Engineering & Applied Sciences Islamabad (PIEAS) from 02-05, december 2016.

Competition	Participants	Institution	Position
English Debate	Shehan Zafar	PUCIT	1 st
Humorous Debate	Hammas Ch.	Institute of Communication Studies	
Theatre	Sohaib Mugheera	Institute of Communication Studies	Best Script Writer
Documentary	Qadeer Ahmad	Institute of Communication Studies	

OVER ALL TEAM TROPHY

62. All Pakistan Laughter Disaster show the Commedy 2016 at University of Lahore from 08-09, december 2016.

Competition	Participants	Institution	Position
Laughter Disaster Show	Asim Bilal	ICS	1 st

63. Urdu speech competition Nazria e Pakistan Trust at Lahore on 23-12-2016

Participants	Institution	Position
Abdul Haseeb	Chemical Engineering	2 nd
Sania Aliza	College of Pharmacy	2 nd

Arrangements and coordination by the directorate of students affairs in various meetings/programs and visits 2016.

1. All Pakistan Parliamentary Debating Championship 2016

The Directorate of Students Affairs, STC organized 1st All Pakistan Parliamentary Debating Championship 2016 which held from 04th to 07th March, 2016 at Institute of Education &



Research, University of the Punjab. The final round was held at Al-Raazi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore on 07-03-2016.

Style of Debates

British Parliamentary Style of Debates for English

Asians Parliamentary Style of Debates for Urdu

Participants and Audience Size

54 Teams (32 in English and 22 in Urdu)

280+ Students (Participants, Team Adjudicators and Resource Persons)

14 Core Adjudicator Members

110 Volunteers

Circulation of Around 1500+ Students

Winners

Best team English	Government College University Lahore
Runners up English	SISA
Best team Urdu	Government College University Lahore
Runners up Urdu	University College Lahore
Best Under 19 Team English	SISA
Best Under 19 Team Urdu	Lahore Grammar School Model Town Lahore
Best Speaker English	Shahkaar Ali (GCU)
Best Speaker Urdu:	Raza Gillani (GCU)
Best Under 19 Speaker English	Momina Khursheed, Beaconhouse ALJT Campus
Best Under 19 Speaker Urdu	Mehreen Fatima, LGS Model Town

2. Inter University Speech Competition 2016

As per the decision of Higher Education Department, Govt. of Punjab, University of the Punjab organized speech competition at Al-Hamrah on 17-03-2016. In this competition more than 18 institutions (universities / colleges) participated, both in English and Urdu speech separately.

The names of 1st 2nd and 3rd positions holders in English and Urdu separately are hereby forwarded for further necessary action please:-

English Speech

Participant Name	University	Position
Ms. Rameesha Khan	University of the Punjab, Lahore.	1 st
Ms. Rabbia Tariq	Akhter Saeed Medical & Dental College, Lahore.	2 nd
Ms. Shahtaj Khan	University of Veterinary & Animal Sciences	3 rd



Urdu Speech

Participant Name	University	Position
Hafiz Waleed Akhter	Govt. Degree College for Boys Township, Lahore.	1 st
Syed Usman Aqeel	University of the Punjab, Lahore.	2 nd
Ms. Aleena Arshad	Govt. Post Graduate Islamia College for Women, Cooper Road, Lahore.	3 rd

3. A Program regarding “Pakistan Day Celebrations”

The Directorate of Students Affairs, STC organized a program in Faisal Auditorium regarding “**PAKISTAN DAY CELEBRATIONS**” on Tuesday 22-03-2016. The honorable Vice-Chancellor Prof. Dr. Mujahid Kamran presided over the program.

4. Debating Competition in the Perspective of Tax Day On 10-04-2016

Punjab University 50 students (male or female) attended the Debating Competition in the perspective of Tax Day on 10-04-2016 organized by Punjab Revenue Authority, Govt. of Punjab, Lahore at Govt. College University, Lahore.

5. A Seminar on Tax Day

Punjab University PEEF scholars attended the lecture of Dr. Amjad Saqib, Vice-Chairman PEEF regarding Tax Day at Lahore Chamber of Commerce & Industry on 08-04-2016

6. Declamation Contest Regarding Tax Day On 10-04-2016

The Directorate of Students Affairs, STC on behalf of the Chief Minister Punjab organized Interdepartmental Declamation Contest regarding Tax Day on Sunday, 10-04-2016 at Directorate of Students Affairs, STC, Quaid-e-Azam, Campus, Lahore.

7. Visit of High Level Delegation of Senior Most Buddhist Priests And Academicians from Sri-Lanka To Lahore

A high level delegation of senior most Buddhist Priests and Academicians from Sri-Lanka visited University of the Punjab on 19-04-2016. In this regard a program was organized at Al-Raazi Hall, Centre for Undergraduate Studies, University the Punjab Lahore.

8. 18th Al I Pakistan Inter University Declamation Contest For Award Of Allama Iqbal Shield

Higher Education Commission , Lahore organized 2nd Round of 18th Al I Pakistan inter University Declamation Contest for Award of Allama Iqbal Shield at Punjab Regional Level with the collaboration of Directorate of Students Affairs, STC at Al-Raazi Hall, Centre for Undergraduate Studies, University the Punjab Lahore on 29-04-2016.

9. Cultural Night at CM Secretariat

Punjab University Students live performance at Cultural Night in the honor of Two Hundred students (boys & girls) form different colleges of Balochistan regarding “**Youth Mobilization Campaign**”. The Program was arranged by office of the CM Punjab at CM secretariat on 15-



05-2016. Chief Minister Balochistan was the Chief Guest, Corps-Commended was the Guest of Honor and Chief Minister Punjab Presided over the program.

1. *Reception Ceremony to Students From Balochistan*

The Directorate of Students Affairs, STC arranged a Reception Ceremony in the honor of Two Hundred Students from Balochistan at Al-Raazi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore on 19-05-2016.

2. *Excursion Tour At Islamabad, Murree And Khanaspur*

The Directorate of Students Affairs, STC arranged 3-4 days excursion tour of Islamabad, Murree and Khanaspur to acknowledge the talent of position holder students of Punjab University from 20-05-2016 to 23-05-2016. The total No of students (male/female) was between 50 to 55.

Travelling	C-130 PAF Aircraft (Lahore to Quetta & back to Lahore)
Briefing	Amir Riaz, Commander Southern Command Briefing on Situation in Balochistan at Staff College, Quetta,
Meeting/Interaction	Commander Southern Command & Governor Balochistan
Dinner	Dinner at Quetta Club, CM Balochistan distributed Laptop among the Students of Punjab
Cultural Night	At the Balochistan University of Information Technology, Engineering and Management Sciences (BUIEMS), Quetta
Visits	Balochistan Assembly Residency of Quaid-e-Azam, Ziarat University of Balochistan Sardar Bahadur Khan Women University, Quetta

3. *Inter-University English Debate Competition Regarding Independence Day Celebrations*

The Directorate of Students Affairs, University of the Punjab in collaboration with Higher Education Department, Govt. of Punjab, organized Inter-University English Debate Competition regarding **INDEPENDENCE DAY CELEBRATIONS** at Al-Razi Hall, Centre for Undergraduate Studies on Saturday 06th August, 2016. The worthy Vice Chancellor University of the Punjab was the Chief Guest of the Competition. The positions were as under:

Sr. No.	Name of Candidate	University	Position
1.	Ms. Mehtab Alvi	Lahore College for Women University	1 st Prize
2.	Mr. Shehan Zafar	University of the Punjab, Lahore	2 nd Prize
3.	Ms. Mohiba Ahmad	Govt. College University Lahore	3 rd Prize
4.	Muhammad Hamza Abbas	University of Engineering & Technology, Lahore.	Consolation Prize

The 1st, 2nd, 3rd and consolation prize were awarded with shields, certificates and cash prizes of Rs.5000, 3000, 2000 and 1500 respectively:



4. *Karwan-E-Yaqjehti*

Thirty students (male & female) and 01 officials of Punjab University were a part of “Karwan-e-Yaqjehti” tour to Quetta, Balochistan regarding INDEPENDENCE DAY CELEBRATIONS 2016 from 11th to 16th August, 2016. The visit was organized by Higher Education Commission, Govt. of Balochistan and Pakistan Army.

5. *Training Workshop Of Peef Scholars - Entrepreneurial Skills Development 2016*

The Punjab Educational Endowment Fund (PEEF) Youth Development Centre Murree organized Entrepreneurial Skills Development Workshop 2016 for the PEEF Scholars of University of the Punjab from 1st to 4th September, 2016 at Punjab House, Murree. The Directorate of Students Affairs made all the arrangements.

6. *Qafila-E-Yakjehti-E-Kashmir*

Twenty Five Students and 01 officials of Punjab University were a part of “QAFLA-E-YAKJEHTI-E-KASHMIR” tour to Muzaffarabad, AJK regarding Mark Independence Day of AJK from 23-10-2016 to 24-10-2016.

7. *Interdepartmental Kalam-E-Iqbal Singing Competition*

The Directorate of Students Affairs, STC was organized a singing competition of “Kalam-e-Iqbal on 30-11-2016 in Faisal Auditorium Quaid-e-Azam Campus, University of the Punjab, Lahore.

8. *Arrangements for the Visit of Students from Different Colleges of Gawadar*

90 participants (female students 33, male students 47, faculty members 10) from different colleges of Gawadar (Balochistan) visited Lahore w.e.f 19-12-2016 to 22-12-2016. In this regard in order to finalize arrangements for the participants, a meeting under the Chairmanship of Rana Mashood Ahmad Khan, Minister for School Education, was held on 16-12-2016. In this meeting University of the Punjab was assigned the responsibilities according to the following plan:

1 st Day (19 Dec, 2016)		
Time	Details of event	Action by
12:30 pm	Arrival at Lahore	To be received by Minister for School Education, VC, Punjab University, DG Protocol & DPI (Colleges) Punjab, Lahore
02:00 pm	Boarding at New Campus Punjab University, Lahore	Punjab University, Lahore
02:30 pm	Lunch at Punjab University, Lahore	Punjab University, Lahore
09:30 pm	Boarding at New Campus Punjab University, Lahore	Punjab University, Lahore
2 nd Day (20 Dec, 2016)		
09:00 am	Breakfast at Punjab University, Lahore	Punjab University, Lahore
09:30 pm	Boarding at Punjab University, Lahore	Punjab University, Lahore
3 rd Day (21 Dec, 2016)		



09:00 am	Breakfast at Punjab University, Lahore	Punjab University, Lahore
10:00-11:00 am	Visit of Punjab University, Lahore	Punjab University, Lahore
08:00 pm	Dinner at Punjab University, Lahore	Punjab University, Lahore
09:00 pm	Boarding at Punjab University, Lahore	Punjab University, Lahore
4 th Day (22 Dec, 2016)		
07:30 am	Breakfast at Punjab University, Lahore	Punjab University, Lahore
09:00 am	Departure for Gawadar	See-off by Minister for School Education, DG Protocol & DPI (Colleges) Punjab, Lahore, Director Students Affairs, Punjab University

Punjab University provided 2 buses during the complete visit / tour of the delegation for Four Days.

Accommodation facility at directorate of students affairs (stc) for faculty members /officials and students visited lahore for conferences, study tours etc 2016.

Summary Table 2016

Total Tours	Total Students	Faculty Members/Officials accompanied Tours/Guest from other Universities & Punjab University Faculty/Officials Guests
26	675	481

Short list of Study Tours whose faculty members and students visited Punjab University

- Abdul Hakeem Degree College, Khuzdar, Balochistan
- Hazara University, KPK
- University of the Sargodha, Sargodha
- Degree College Loralai, Balochistan
- Noor Ahmad Govt. Degree College, Chaman
- Millat College, Ahmad pur Sharqia
- Peshawar University, Peshawar
- Sports Team
- Abbottabad College, Abbottabad
- Bolan Medical College, Balochistan
- Baha ud Din Zakria University, Multan
- Malakant University, KPK
- Dawoo University, Sindh
- Zarai College, Quetta
- Hari pur University, KPK
- Shaheed Zulfiqar Ali Bhatto Zarai College, Sindh
- Rawalkot Ponch University, AJK



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 2015-16 with projected deficit of **Rs.931.182** 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 2015-16 closed with contributions of **Rs.118.000** million to Endowment funds and savings of **Rs.49.433** million.

Development Budget

Development expenditure of Rs.409.160 was estimated for 2015-16 including Rs.200 million for development of buildings and structures and Rs.209.160 million for purchase of Equipment, Furniture, Computers, Software's.

Recurring Budget

Following are the details of Budget Estimates for the year 2015-16

S.No	Description	Amount (Rs. in Million)
i)	Pay & Regular Allowances	3343.452
ii)	Other Benefits & Facilities	488.274
iii)	Pension	718.420
iv)	Conduct & Remuneration of Examinations	401.280
v)	Utility Charges	427.084
vi)	Lumpsum Provision for Research	95.281
vii)	Scholarships (Faculty / Students)	142.845
viii)	Other Current Expenditures	314.686
ix)	Development Budget	343.359
	Total:	6,274.681



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. 387.834
▪ From Examinations	Rs.1,948.426
▪ From Registration / Degree	Rs. 690.575
▪ From land and other sources.	Rs. 505.140
▪ Endowment funds.	<u>Rs. 345.657</u>
Total:	<u>Rs.3,877.632</u>

Trend of per student spending:

Year	Annual Expenses	On-Campus students	Annual Expenses per student
2014-15	6,072,954,000	21,137	287,314



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	Prof. Dr. Mujahid Kamran (03.01.2008 to 18.12.2016)
2. Pro-Vice-Chancellor	Vacant
3. Registrar	Dr. Liaqat Ali Professor on contract Hailey College of Commerce. (Additional assignment from 11.10.2014 to 31.01.2017)
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	(i) Dr. Nauman Ahmed (16.03.2011 to 26.09.2014) (on contract from 27.09.2014 to 28.12.2015) (ii) 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	Prof. Dr. Sajid Rashid Ahmad Institute of Geology (Additional assignment from 18.10.2014 to 31.01.2017)
11. Resident Officer-II	Malik Muhammad Zaheer (14.10.2000 to date)
12. Chief Engineer	Mr. Jamil Ahmad (11.03.2013 to 13.12.2016)
13. Director, P&D Wing	Engr. Tariq Majeed Qureshi Formerly General Manager (Planning & Development) PTCL (on contract from 05.08.2008 to 12.01.2017)
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	Ms. Maria Isabel Maldonado Assistant Professor Spanish Language (Additional assignment from 18.01.2010 to 12.05.2017)
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

- (i) Mr. Naeem Iqbal Qureshi
Government of the Punjab, Finance Department
Town Accounts Officer, Town Municipal
Administration, Aziz Bhatti Tow, Lahore
(on deputation from 16.02.2010 to 15.02.2016)
- (ii) 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

05 meetings of the Selection Board were held during the period (1st October 2015 to 30th September 2016). The detail of the appointments is as under:-

Professor	Associate Professor	Assistant Professor	Lecturer	Non-Teaching (BS-17 & above)	Total
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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 01.10.2015 to 30.09.2016 (Calendar year)

Sr.#	Name	Department	Program	University	Country	2015-16
1	Ms. Sana Saeed Lecturer	College of Statistical and Actuarial Sciences	Ph.D	Universiti Sains Malaysia (USM)	Malaysia	1919000
2	Mr. Shuja Ur Rehman Baig Lecturer	Punjab University College of Information Technology	Ph.D	Universitat Politecnica De Catalunya	Barcelona, Spain	2802800
3	Mr. Muhammad Aamir Lecturer	Hailey College of Commerce	Ph.D	Universiti Teknologi Malaysia (UTM)	Malaysia	2100688
4	Mr. Muhammad Khalil-ur- Rehman Lecturer	University College of Pharmacy	Ph.D	Karl-Franzens Universitat Graz	Austria	1434241
5	Ms. Tahira Mubashar Lecturer	Institute of Applied Psychology	Ph.D	University of Kassel	Germany	3314360
6	Mr. Shafiq Ahmad Lecturer	Institute of Communication Studies	Ph.D	Bremen Universitat	Germany	2815043
7	Mr. Muhammad Farooq Lecturer	Punjab University College of Information Technology	Ph.D	Asian Institute of Technology (AIT)	Thailand	2698792
8	Ms. Sumaira Pervaiz Lecturer	Institute of Biochemistry and Biotechnology	Ph.D	Freie Universitat Berlin	Germany	1528594



9	Ms. Hina Hasnain Lecturer	College of Art & Design	Ph.D	Brandenburgische Technische Universität	Cottbus Senftenberg, Germany	Not Paid
10	Ms. Hira Aftab Lecturer	Institute of Business & Information Technology	Ph.D (Soft Loan)	Jemes Cooks University	Australia	Not Paid
11	Ms. Fakhra Jabeen Lecturer	Punjab University College of Information Technology	Ph.D	Vrije Universiteit Amsterdam	Netherlands	1456619
12	Ms. Attia Falak Lecturer	Department of Physics	Ph.D	University of Chinese Academy of Sciences (UCAS)	China	3333287
13	Mr. Shahzad Khan Lecturer (Finance with I.T)	Institute of Business & Information Technology	Ph.D	University of Auckland Graduate Centre	New Zealand	1666667
14	Ms. Qudsia Naseer Lecturer	Institute of Business Administration	Ph.D	University of Malaya	Kuala Lumpur, Malaysia	1157819
15	Mrs. Afshan Iqbal Lecturer	Institute of Biochemistry and Biotechnology	Ph.D	Karolinska Institute	Sweden	1253944
16	Ms. Wajiha Kazim Lecturer	Institute of Business Administration	Ph.D	University of Nottingham	UK	Not Paid
17	Ms. Qurrat-UL-Ain Farooq Lecturer	Institute of Agricultural Sciences	Ph.D	University of Natural Resources and Life Sciences	Vienna, Austria	Not Paid



Scholars Proceeded Abroad for Oral / Poster Presentation of Research Papers

Sr. No.	Name & Designation	Department	Subject	Country	Period
1	Dr. Salik Nawaz Khan Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Allelopathic potential of conventional condiments and vegetable plant extracts against <i>Myrothecium roridum</i> Tode associated with <i>Myrothecium</i> leaf sport disease of <i>Momordica charantia</i> L. (bitter gourd)"	Fuzhou, China	30 October 02 November 2015
2	Dr. Nousheen Zahra Zaidi Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Impact of low-lipid environment on de novo lipid synthesis pathways in Cancer cells"	Maryland, USA	06-08 November 2015
3	Dr. Basharat Ali Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled Biofertilization and Growth Promotion of <i>Triticum Aestivum</i> L. by Halotolerant Rhizobacteria"	Bayview Beach Resort, Penang, Malaysia	07-10 December 2015
4	Dr. Farhat Rass Masood Associate Professor (TTS)	Department of Botany	Travel grant for oral presentation of research paper titled "Palynostratigraphy of Middle Triassic Strata of Salt Range, Pakistan"	Baltimore, Maryland, USA	01-04 November 2015



5	Mr. Khalid Mahmood Assistant Professor	Department of Space Science	Travel grant for oral presentation of research paper titled "GIS Based Groundwater Quality Indexing in Lahore Residence, Pakistan"	Kish Island, Iran	23-25 November 2015
6	Dr. Syed Nawazish-i-Husain Assistant Professor (Pharmacology)	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Comparison of the Agonist Activities of Treprostinil and Naxaprostene in Rat Tail and Pulmonary Arteries"	Queen Elizabeth II Conference Centre, London, UK	15-17 December 2015
7	Dr. Waheed Iqbal Assistant Professor	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Hybrid Auto-scaling of Multi-tier Web Applications: A Case of Using Amazon Public Cloud"	Kuala Lumpur, Malaysia	01-03 December 2015
8	Dr. Fawaz Saleem Bokhari Assistant Professor (TTS)	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Performance Evaluation of TCP Incast Protocols in Data Center Network"	Cyberjaya, Kuala Lumpur, Malaysia	01-03 December 2015
9	Dr. Nadeem Sheikh Assistant Professor	Department of Zoology	Travel grant for poster presentation of research paper titled "Effect of paper industry leachate on various serological indices and serum proteins"	Heinrich-Heine University, Dusseldorf, Germany	21-23 January 2016



10	Engr. Dr. Muhammad Azhar Naeem Assistant Professor	Department of Electrical Engineering	Travel grant for poster presentation of research paper titled "A Novel Full Polarisation Controller Integrated Monolithically with a Semiconductor Laser"	National Convention Centre, Canberra, Australia	07-11 February 2016
11	Dr. Javeed Ashraf Awan Associate Professor	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Phase Equilibrium Measurements and Modeling of Ternary systems containing Thiols (organic sulfur species) in Hydrocarbon and Water at 303, and 365 K and Pressure up to 9 MPa"	Istanbul, Turkey	30 November 02 December 2015
12	Dr. Muhammad Rashid Usman Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Hydrogen Storage in a Recyclable Organic Hydride: The Dehydrogenation of Methylcyclohexene"	Istanbul, Turkey	30 November 02 December 2015
13	Dr. Muhammad Kashif Samee Assistant Professor (TTS)	Department of Electrical Engineering, CEET	Travel grant for oral presentation of research paper titled "Un/Veiling and the Politics of Resistance in the Public Sphere: A Critical Study of Mumtaz Shahnawaz The Heart Divided"	Austin, Texas, USA	05-06 January 2016
14	Ms. Zill-e-Huma Lecturer	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Purification and characterization of laccase by <i>Pleurotus ostreatus</i> "	Jakarta, Indonesia	01-03 December 2015



15	Prof. Dr. Tariq Mahmud	Institute of Chemistry	Travel grant for Poster presentation of research paper titled "Sorptive Removal of Alizarin Yellow-R Dye from Water Using Fibers of Luffa cylindrical Sponge"	Portland, OR USA	21-23 January 2016
16	Mr. Shahzeb Khan Assistant Professor	Department of English Language & Literature	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Pedagogy of Alienation: Epistemic hegemony of the mental space and fatal fault lines in the national space"	Austin, Texas, USA	04-06 January 2016
17	Prof. Dr. Sajid Rashid Ahmad Principal	College of Earth and Environmental Sciences	Travel grant for oral presentation of research paper titled "Geospatial and Hydrological Approach to investigate potential dam sites for spate irrigation in Pakistan"	Toronto, Canada	02 January 2016
18	Dr. Irfan Mahmood Assistant Professor	Center for High Energy Physics (CHEP)	Travel grant for poster presentation of research paper titled "Quasideterminant solutions of NC Painleve II equation taking Toda solution at $n=1$ as seed solution in its Darboux transformation"	Sevilla, Spain	24-29 January 2016



19	Ms. Sonia Omer Assistant Professor	Department of Social Work	Travel grant for oral presentation of research paper titled "Micro Loan: A Tool of Women Economic Empowerment. A Case Study of Rural Punjab, Pakistan"	The University of Central Florida, USA	12-13 February 2016
20	Dr. Mehboob Ahmed Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Cyanobacteria-Induced Phytotoxic Effects and Oxidative stress in Several Nutritionally Important Plants"	Qawra, Malta	26-29 April 2016
21	Dr. Pervez Khalid Assistant Professor	Institute of Geology	Travel grant for oral presentation of research paper titled "A Modified Rock Physics Model to Improved Seismic Characterization of Jurassic Reservoirs, Pakistan"	Bangkok, Thailand	14-15 January 2016
22	Prof. Dr. Sikander Sultan	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Determination of genotoxic potential of wastewater from Hudiara drain using the Allium cepa chromosomal aberration assay"	Rotterdam, Netherland	06-09 March 2016
23	Dr. Muhammad Faisal Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Wastewater purification potential of Bacillus cereus in alliance with Pistia Stratiotes"	Rotterdam, Netherland	06-09 March 2016



24	Ms. Humaira Tariq Lecturer (English)	Center for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Identifying and Addressing Inadequacies in Preparation of L2 Proficiency Tests in Pakistani HEIs"	Washington, D.C, USA	11-13 March 2016
25	Dr. Tahir Ahmad Assistant Professor	Department of Metallurgy and Materials Engineering College of Engineering and Emerging Technologies	Travel grant for oral presentation of research paper titled "Studying the effect of carbon Fiber-Silica sand Nanoparticles on Copper based Hybrid Composites"	Rome, Italy	20-23 March 2016
26	Dr. Fatima Rasool Assistant Professor	Punjab University College of Pharmacy	Travel grant for poster presentation of research paper titled "Rheological studies of commercially available creams at various storage conditions"	Sharjah, UAE	15-18 February 2016
27	Mr. Shahzad Khan Lecturer (Finance with I.T)	Institute of Business & Information Technology	Travel grant for oral presentation of research paper titled "Extent of Smartphone Usage by Investors in Lahore Stock Exchange"	ISC Paris BS, Paris, France	03-04 March 2016
28	Dr. Muhammad Imran Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Interaction of cobalt ferrite nanoparticles with calf-thymus DNA"	BONN, Germany	13-16 March 2016
29	Dr. Muhammad Shafiq Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Creating a Creativity Culture"	Tulane University, New Orleans	03-05 March 2016



30	Mr. Khurshid Alam Assistant Professor	Department of English Language & Literature	Travel grant for oral presentation of research paper titled "Periodizing the National History/ies: A Comparative Study of Ahmed Ali's Twilight in Delhi and Mumtaz Shahnawaz's The Heart Divided"	USA	26-27 February 2016
31	Prof. Dr. Farah Kanwal	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Synthesis and Characterization of Polysaccharide-coated Nickel Ferrite Nanoparticles as a Biomaterial Candidate"	Coventry, UK	29-31 March 2016
32	Dr. Sania Zahra Malik Assistant Professor	Institute of Business Administration	Travel grant for oral presentation of research paper titled "Factors affecting Green Purchase Intention with the Moderating role of Skepticism towards Environmental Claim"	Istanbul, Turkey	26-27 May 2016
33	Dr. Naureen Akhtar Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Isolation and identification of aflatoxin producing and non-producing strains of aspergillus"	ACC, Liverpool, UK	21-24 March 2016



34	Dr. Mohsin Ali Raza Assistant Professor	Department of Metallurgy and Materials Engineering	Travel grant for oral presentation of research paper titled "Corrosion Study of Electrophoretically Deposited Graphene Oxide Coatings on Copper Metal"	San Diego, California, USA	25-29 April 2016
35	Miss Qurratulain Farooq Lecturer	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Grey Water Irrigation: A Comparative Study on Different Turf-Grass Varieties"	Athens, Greece	20-25 June 2016
36	Dr. Sidra Irfan Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Inter-organisational learning in public service organization: Empirical and conceptual insights from school education partnerships in Pakistan"	St Andrews, UK	26-28 April 2016
37	Dr. Saba Riaz Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Phenotypic and Molecular characterization of CTX-M encoding Beta-lactamases from Clinical Enterobacteriaceae"	Riyadh, Saudi Arabia	08-12 April 2016



38	Prof. Dr. Muhammad Saleem Chairman	Department of Botany	Travel grant for poster presentation of research paper titled "Evaluating potential Short Sequence Repeats (SSRs) markers and predictions of Post-Translational Modifications of Mating Type A and Translation Elo"	Paris – LA Villette	03-06 April 2016
39	Mr. Kamran Shaukat Lecturer	Department of Information Technology Jhelum Campus (on contract 05.04.2015 to 04.04.216)	Travel grant for oral presentation of research paper titled "KSD an Efficient Algorithm for Association Rule Mining"	London, UK	07-08 May 2016
40	Dr. Amir Shafeeq Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Effectiveness of different electrodes on the removal efficiency of O-Chlorophenol from industrial waste waster"	Newcastle, Australia	10-13 July 2016
41	Dr. Hafiz Muhammad Anwaar Asghar Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Electrochemical Potential for the destruction of Congo Red De in Aqueous Solution"	Newcastle, Australia	10-13 July 2016



42	Dr. Syed Nadir Hussain Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Simultaneous removal of dissolved organics and disinfection of water by adsorption-regeneration process"	Newcastle, Australia	10-13 July 2016
43	Rana Eijaz Ahmad Assistant Professor	Department of Political Science	Travel grant for oral presentation of research paper titled "Politics in Afghanistan and US efforts for peace to the New York State Political Science Association"	SUNY New Paltz, New York	22-23 April 2016
44	Dr. Talat Islam Assistant Professor	Hailey College of Banking & Finance	Travel grant for oral presentation of research paper titled "The Mediating Role of Organizational Identification between Corporate Social Responsibility and Job Satisfaction"	University of Michigan, Ann Arbor, USA	01-03 May 2016
45	Dr Uzma Qaisar Assistant Professor (TTS)	School of Biological Sciences	Travel grant for oral presentation of research paper titled "Involvement of Wrinkled-1 Transcription Factor in Fiber development of Extra Long Staple (ELS)"	Convention Center Goiania – Goias, Brazil	02-06 May 2016



46	Mr. Ather Ashraf Assistant Professor	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Enhancing marketing intelligence for business management in spatial domain using spatial statistics"	Key Bridge Marriot in Arlington, VA, USA	31 March 2 April 2016
47	Mr. Muhammad Salman Lecturer (On Contract)	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Anemia: The Troublemaker Child of Chronic Kidney Disease"	Washington, DC, USA	21-25 May 2016
48	Mr. Ali Akhtar Lecturer (on contract)	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Prevalence and survival Trends of Hepatitis c Positive Patients Co-Infected with Hiv in a Tertiary Care Hospital Malaysia"	Washington, DC, USA	21-25 May 2016
49	Dr. Qamar Bashir Assistant Professor	School of Biological Sciences	Travel grant for poster presentation of research paper titled "Prevalence, Evolution and Concurrent Infection by Multiple Dengue Virus Serotypes in Patients from Pakistan"	Queensland's Gold Coast, Australia	03-07 July 2016
50	Prof. Dr. Hamid Ashraf Hamdani	Department of Arabic	Travel grant for oral presentation of research paper titled "Arabic And Urdu: A study of mutual Linguistic impacts"	Amman, Jordan	10-12 May 2016



51	Dr. Nashi Khan Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Perception about Psychiatric Illness of Patients Suffering from Schizophrenia and Mood Disorders"	London, UK	18-20 July 2016
52	Dr. Javeed Ashraf Awan Associate Professor	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Measurements and modeling of electrical conductivity and pH of n-propanethiol and n-butanethiol in N-methyldiethanolamine +piperazine (MDEA-Piperazine) aqueous solution at 306 K and 1atm"	Prague, Czech Republic	28-31 August 2016
53	Dr. Bushra H Rahman Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Ethical values in media practices and media education in Pakistan"	Moscow, Russia	28-29 April 2016
54	Dr. Abida Eijaz Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Academia's Engagement and Research Patterns in Published Mass Communication Research"	Moscow, Russia	28-29 April 2016
55	Prof. Dr. Muhammad Sharif Chairman	Department of Mathematics	Travel grant for oral presentation of research paper titled "Study of Thin-Shell Wormholes Stability"	City of New York, USA	10-15 July 2016



56	Mr. Ahmed Ali Naqvi Lecturer	Department of Political Science	Travel grant for oral presentation of research paper titled "Assimilation Pluralism: Finding space for Religious Minorities in Pakistan"	Wilmington, NC, USA	12-14 May 2016
57	Dr. Hafiz Abdul Qadeer Assistant Professor	Department of Arabic	Travel grant for oral presentation of research paper titled "Teaching of Arabic Language for Pakistani Students, Problems and Solutions (Punjabi University, as a Model)"	Dubai, UAE	04-07 May 2016
58	Dr. Shahid Jamil Sameeni Associate Professor	Institute of Geology	Travel grant for poster presentation of research paper titled "Biostratigraphy of Kuldana Formation, Choregali Pass, Khair-e-murat Area, Northern Pakistan"	Chania, Greece	13-15 May 2016
59	Prof. Dr. Farah Malik	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Child Maltreatment, Self-Compassion, Empathy, and Emotional Dysregulation in Destitute Adolescents"	Roehampton University, London, UK	18-20 July 2016
60	Prof. Dr. Muhammad Makshoof Athar Director	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Biosorptive potentials of microwave tea waste for removal of Pb(II) ions from contaminated water bodies"	Gregynog Hall, Newtown, UK	20-22 May 2016



61	Dr. Muhammad Imran Din Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Bio-reduction of Nickel Salts for stable Ni and NiO nanoparticles using Calotropis gigantean plant extract: Green synthesis and antimicrobial activities"	Gregynog Hall, Newtown, UK	20-22 May 2016
62	Dr. Aamir Aziz Assistant Professor (On Contract)	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "Representation of the Salem Processes (1692) in Theatre: Juxtaposing the Facts with Fiction in Arthur Miller's the Crucible"	Federal University of Kazan, Russia	03-07 May 2016
63	Prof. Dr. Tahir Jamil Chairman	Department of Polymer Engineering & Technology	Travel grant for oral presentation of research paper titled "Biomedical textile: the Complete Product Life Cycle"	Shanghai, China.	16-17 June 2016
64	Dr. Ahmad Bilal Assistant Professor	University College of Art & Design	Travel grant for oral presentation of research paper titled "Filmmaking with a Smart Phone and National Cinema of Pakistan"	Liverpool Hope University, UK	28-29 June 2016
65	Ms. Saima Sadaf Assistant Professor	Institute of Biochemistry & Biotechnology	Workshop for presentation of paper titled "Proteomics in Biomarker Identification of Chronic-Phase Chronic Myeloid Leukemia"	Shanghai, China.	11-13 May 2016



66	Ms. Shahnila Tariq Lecturer (on contract)	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Psycho-Social Factors as Antecedents of Deviant Behaviour in Adolescents"	Hong Kong, China	17-18 June 2016
67	Dr. Najam-ul-Sehar Afshan Assistant Professor	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Biodiversity of powdery mildew fungi (Erysiphales) in Pakistan"	Clark-Kerr Campus, University of California, Berkeley, USA	07-11 August 2016
68	Mr. Hassam Muazzam Lecturer	Department of Electrical Engineering, College of Engineering and Emerging Technologies	Travel grant for poster presentation of research paper titled "American Sign Language Recognition using RGB and Depth information"	Northwestern University, Evanston, IL, USA	13-15 May 2016
69	Dr. Muhammad Zaeem Ul Haq Bhatti Assistant Professor	Department of Mathematics	Travel grant for oral presentation of research paper titled "Density Irregularities in Self-gravitating Systems"	New York City, USA	10-15 July 2016
70	Dr. Zeeshan Yousaf Assistant Professor	Department of Mathematics	Travel grant for oral presentation of research paper titled "Dynamical Instability and Cavity Evolution"	New York City, USA	10-15 July 2016
71	Dr. Irfan Mahmood Assistant Professor	Centre for High Energy Physics	Travel grant for oral presentation of research paper titled "Quasideterminant solutions of NC Painleve'e II equation with the Toda solution at S_N as a seed solution in its Darboux transformation"	Hyatt Regency Hotel, Orlando, Florida, USA	01-05 July 2016



72	Dr. Muhammad Younis Assistant Professor (on contract)	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Symbolic Computation and Abundant Travelling Wave Solutions to Modified Burgers Equation"	Orlando, Florida USA	01-05 July 2016
73	Prof. Dr. Kanwal Ameen Chairperson	Department of Information Management	Travel grant for poster presentation of research paper titled "Pakistani Academic Researchers' Conceptions of Quality Trustworthiness in Scholarly Communications"	UPPSALA Universitet, Sweden	26-29 June 2016
74	Dr. Rafia Rafique Associate Professor	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Self in the Darkness seem to me on Realer than a Dream: Experiences of Living with Alopecia Universalis"	London, UK	28-30 June 2016
75	Dr. Zafar Ahmed Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "CPEC 2015: A Review of Proposed Opportunities and Significance"	The University of Texas, Austin, North America	09-11 June 2016
76	Dr. Abdul Rehman Khan Niazi Assistant Professor	Department of Botany	Travel grant for poster presentation of research paper titled "Diversity and distribution of mushrooms of Pakistan, an overview"	Clark-Kerr Campus, University of California, Berkeley, USA	07-11 August 2016



77	Syeda Hina Batool Assistant Professor	Department of Information Management	Travel grant for oral presentation of research paper titled "Conceptions of school libraries and the role of school librarians: findings from case studies of primary schools in Lahore"	Uppsala, Sweden	27-29 June 2016
78	Ms. Ayesha Hanif Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Corruption in Pakistan: Same Old Stories or Better Now?"	The University of St. Gallen, Switzerland	01-03 June 2016
79	Dr. Zahoor Hussain Farooqi Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Poly(N-isopropylmethacrylamide-co-methacrylic acid) Microgels as nano-reactors for catalytically active silver nanoparticles"	Madrid, Spain	07-09 September 2016
80	Mrs. Robina Begum Lecturer	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Smart polymer/metal hybrid colloidal particles with thermally tunable catalytic activity"	Madrid, Spain	07-09 September 2016
81	Mr. Muhammad Mohsin Rashid Lecturer (On contract)	Institute of Quality & Technology Management	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Carbon Emission Reduction in Brick Kilns"	Yildiz Technical University, Davutpasa Campus, Istanbul, Turkey	01-05 June 2016



82	Dr. Saira Malik Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Association of IRF6 polymorphism rs2235375 with non-syndromic CL/P in Pakistan"	Mount Holyoke College, South Hadley, MA, USA	12-17 June 2016
83	Ms. Qudsia Naseer Lecturer	Institute of Business Administration	Travel grant for oral presentation of research paper titled "Towards understanding the Effect of HEC's Reform on Control of Public Sector Universities: the Case of Punjab University"	Newcastle, Newcastle University, UK	06-08 September 2016
84	Ms. Afifa Anjum Lecturer	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Character Strengths and Wellbeing: A comparison of young adults from counseling centers with community samples"	Angers, France	28 June – 01 July 2016
85	Dr. Usman Ahmad Assistant Professor	Department of Islamic Studies	Travel grant for oral presentation of research paper titled "Use of Isharah Al-Nass in Scientific Tafsir: Analytical Review"	Kuala Lumpur, Malaysia	19-20 July 2016



86	Mr. Tahir Mehmood Assistant Professor	Institute of Education and Research	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Bilingual Education, Co-education and Emotional Problems of University"	Cairo, Giza, Egypt	25-27 May 2016
87	Ms. Zahra Ishtiaq Paul Lecturer (On Contract)	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Human Resource Management Practices and perceived Organizational Support: A Deeper Examination"	Cracow, Poland	18-21 July 2016
88	Dr. Abdul Majid Nadeem Assistant Professor	Department of Arabic	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Minhaj Abi Abaidah fi Darasat-ul-Kalimat Al Quraniya Mukarnat Maa Mafasari Al Qurun Al Khamsat-ul-Ulla – Darasat Tahlila Naqdiya"	South Eastern University of Sri Lanka, Oluvil	30 May 2016
89	Dr. Kamran Abid Assistant Professor	Punjab University College of Information Technology (PUCIT)	Travel grant for poster presentation of research paper titled "Variation of Gating Structure and Response of Hybrid PIN Photodetector"	University of Strathclyde, Glasgow, UK	20-21 June 2016



90	Engr. Dr. Muhammad Azhar Naeem Assistant Professor	Department of Electrical Engineering, College of Engineering and Emerging Technologies	Travel grant for poster presentation of research paper titled "Optical polarization detection by a lateral p-i-n photodiode with integrated metal grating"	Vancouver, Canada	18-20 July 2016
91	Mrs. Amara Dar Lecturer	Chemistry Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Antimicrobial and antifungal potential of Ecofriendly synthesized silver Nanoparticles using Lagenaria siceraria fruit"	Halic Congress Center, Istanbul, Turkey	17-21 July 2016
92	Dr. Mohsin Ali Raza Assistant Professor	Department of Metallurgy and Materials Engineering	Travel grant for poster presentation of research paper titled "Graphite Nanoplatelet-Based Epoxy Composites as Adhesives and Pads for Thermal Interface Applications"	The Penn Stater Conference Centre Hotel, State College, Pennsylvania, USA	10-15 July 2016
93	Prof. Dr. Rukhsana Kausar Director	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Child Abuse, Emotional and behavioral Problems in Domestic Child Worker"	Roehampton University, London, UK	18-20 July 2016



94	Dr. Amjad Hussain Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of 02 research papers. Following are the titles of the research papers:- 1. "Study of okra gum in comparsion with starch paste as a binder in naproxen sodium tablets" 2. "Preparation of orally disintergrating modified release tablets of naproxen sodium using soluplus®"	Technology and Innovation Centre, University of Strathclyde, Glasgow, UK	05-07 September 2016
95	Dr. Nasir Abbas Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Polymorph Screening of Mefenamic Acid by Conventional and High Pressure Techniques"	Technology and Innovation Centre, University of Strathclyde, Glasgow, UK	05-07 September 2016
96	Ms. Hina Saleem Assistant Professor	Institute of Business & Information Technology	Travel grant for oral presentation of research paper titled "The Practice of job Satisfaction as a Meaningful Tool in Organizational Productivity: A Developing World Perspective"	Montclair State University, Montclair, NJ, USA	21-24 June 2016
97	Dr. Zulfqar Ahmad Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "CPEC 2015: A Review of proposed Opportunities and Significance"	University of Texas in Austin, USA	09-11 June 2016



98	Prof. Dr. Abdul Nasir Khalid	Department of Botany	Travel grant for poster presentation of research paper titled "Two new species of Hymenagaricus, a genus new to Pakistan"	Clark-Kerr campus, University of California, Berkeley, USA	07-11 August 2016
99	Dr. Muhammad Ali Assistant Professor (Entomology)	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Evaluation of insecticidal properties of some bio-extracts and a bio-agent performance on aphid (Sitobion avenae F.) (Aphididae: Hemiptera), incidence on wheat (Triticum aestivum L.) crop "	Orlando, Florida, USA	25-30 September 2016
100	Mr. Nisar Ahmed Lecturer (On contract)	Institute of Geology	Travel grant for oral presentation of research paper titled "Combining rock physics simulation and Gaussian statistical technique to identify fizz water and gas saturated reservoirs"	Cape Town, South Africa	27 August – 04 September 2016
101	Mr. Fahad Mahmood Assistant Professor	Institute of Communication Studies (ICS)	Travel grant for oral presentation of research paper titled "Cinema and Collective Memory: A Study on Commemoration of old Times as Preserved by Pakistani Movies"	University of Leicester, UK	27-31 July 2016



102	Dr. Muhammad Faisal Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Wastewater purification potential of Bacillus cereus in alliance with Pistia stratiotes"	Warsaw, Poland	30 June – 2 July 2016
103	Dr. Yasir Rehman Assistant Professor (on Contract)	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Functional gene pools of microbial communities affected by arsenic and chromium"	Warsaw, Poland	30 June – 2 July 2016
104	Dr. Rafia Faiz Assistant Professor (Adhoc)	Institute of Business Administration	Travel grant for Oral presentation of 02 research papers. Following are the titles of the research papers:- 1. "Along the continuum of ideal worker and good women: An examination of Work-life interface in Pakistan" 2. "Career experiences of employee on wheelchairs in Pakistan"	Newcastle University, Newcastle, England	06-08 September 2016
105	Prof. Dr. Sajid Rashid Ahmad Principal	College of Earth and Environmental Sciences	Travel grant for oral presentation of research paper titled "Assessment of Forest Cover in Murree Forest Pakistan through Geospatial Technologies"	University of British Columbia, Vancouver, BC, Canada	19-20 July 2016



106	Dr. Ayyaz Ahmad Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Improving Quality of Healthcare through the Selection of Right Technology: An Expert System Approach for a Public Sector Hospital"	University of Minho, Guimarae, Portugal	13-15 July 2016
107	Dr. Muhammad Nasir Subhani Assistant Professor (PP)	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Infection duration of entomopathogenic fungi <i>Aspergillus</i> spp and <i>Fusarium</i> spp. Against <i>Bemisia tabaci</i> "	Tampa, Florida, USA	30 July – 03 August 2016
108	Dr. Abdul Majid Khan Assistant Professor	Department of Zoology	Travel grant for oral presentation of research paper titled "Systematic account of Miocene Rhinocerotidae from the Siwaliks of Pakistan"	Adelaide, Australia	10-15 July 2016
109	Prof. (R) Dr. Muhammad Akhtar (On Contract)	Department of Zoology	Travel grant for oral presentation of research paper titled "New remains of Bovidae from the Late Miocene-Early Pliocene of the Siwaliks, Pakistan"	Adelaide, Australia	10-15 July 2016
110	Dr. Muhammad Akbar Khan Assistant Professor	Department of Zoology	Travel grant for oral presentation of research paper titled "Tragulids (Artiodactyla, Ruminantia, Tragulidae from the Siwaliks of Pakistan"	Adelaide, Australia	10-15 July 2016



111	Dr. Zulfiqar Ali Associate Professor	Department of Zoology	Travel grant for poster presentation of research paper titled "Monitoring of Indoor air in different working environments of different factories in Punjab, Pakistan"	University Forum, Ghent (Gent), Belgium	03-08 July 2016
112	Dr. Ayesha Ashfaq Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Metaphorical Devices in Political Cartoons with Reference to Political Confrontation in Pakistan after Panama Leaks"	Trinity College Dublin, Ireland	27 June – 01 July 2016
113	Dr. Abida Eijaz Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Marginalization or Prominence: Literature Review of the 21 st Century on the Patterns and Depictions of Muslims in Films"	University of Leicester, UK	26-31 July 2016
114	Prof. Dr. Muhammad Saleem Chairman	Department of Botany	Travel grant for poster presentation of research paper titled "Effect of genetic variation on various post translational modifications (PTMs) and its role in protein regulation"	Orlando, Florida, USA	13-17 July 2016
115	Mr. Hussain Azam Lecturer (On Contract)	Department of English Language and Literature	Travel grant for oral presentation of research paper titled "Symbolist Music in Four Quartets"	Rapallo, Italy	16-21 June 2016



116	Dr. Naumana Amjad Associate Professor	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Handling Difficult Situations at the Workplace: Story of a Training Project turned Activism for Change"	The University of New South Wales, Sydney Australia	19-23 July 2016
117	Mr. Muhammad Tariq Manzoor Lecturer	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Infectivity analysis of strain L of chickpea chlorotic dwarf virus, a cotton mastrevirus, in Nicotiana benthamiana plants"	Tampa, Florida, USA	30 July – 03 August 2016
118	Malik Fiaz Hussain Ferdosi Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Prolonging Vase Life of Gladiolus (GLADIOLUS GRANDIFLORUS L.) CV. White Prosperity"	Atlanta, Georgia, USA	08-11 August 2016
119	Prof. Dr. Muhammad Kamran Chairman	Department of Urdu	Travel grant for oral presentation of research paper titled "Internet and Popular Pakistani Literature"	Kent Law School, University of Kent, UK	01-03 September 2016
120	Dr. Kamran Abid Assistant Professor	Punjab University College of Information Technology (PUCIT)	Travel grant for poster presentation of research paper titled "High Responsivity Gated Silicon p-i-n Photodiode with Enhanced Blue and Ultraviolet Response"	Vancouver, Canada	18-20 July 2016



121	Dr. Humara Bano Assistant Professor & Incharge Chairperson	Department of Special Education	Travel grant for oral presentation of research paper titled "Inclusion of students with visual impairment access, facilities and higher education"	Orland, Florida USA	22-25 August 2016
122	Mr. Shahid Mahmood Gul Assistant Professor	Department of Philosophy	Travel grant for oral presentation of research paper titled "Bio-ethical Problems Arise when Doctors go on Strike"	Yale University, New Haven CT, USA	23 July 2016
123	Dr. Zafar Iqbal Associate Professor	Department of Zoology	Travel grant for oral presentation of research paper titled "Fisheries Education in University of the Punjab, Lahore Pakistan"	Bangkok, Thailand	03-07 August 2016
124	Ms. Lubna Zaheer Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Editorial Coverage of Natural Calamities: A Comparative Analysis of English and Urdu Media of Pakistan"	Davos, Switzerland	28 August – 01 September 2016
125	Dr. Rukhsana Iftikhar Associate Professor	Department of History	Travel grant for oral presentation of research paper titled "Urban Formation and Culture Transformation in Mughal India"	Delft University, Netherland	17-21 July 2016
126	Dr. Zulfqar Ahmad Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "To be Employed or Self-employed: A Qualitative Investigation of Female Graduates"	Imperial College, London, UK	02-05 August 2016



127	Dr. Farzana Majid Assistant Professor	Department of Physics	Travel grant for oral presentation of research paper titled "Effect of Microwave Power on Structural, Dielectric and Magnetic Properties of Bi _{1-x} LaFeO ₃ Nanoparticles (x=0.3)"	Sendai, Japan	22-25 August 2016
128	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"	Rome, Italy	21-23 September 2016
129	Dr. Rizwan Qaiser Danish Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "The Impact of Service Quality and Service Value on Customer Satisfaction through Customer bonding: An Evidence from telecommunication Sector"	Rome, Italy	21-23 September 2016
130	Ms. Qurrat ul Ain Farooq Lecturer	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "In-vitro propagation of olive cultivars 'Frontio', 'Earlik', 'Gemlik'"	Kuala Lumpur, Malaysia	23-25 August 2016



131	Dr. Tajamal Hussain Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Quantitative study on removal of Mercury from various type of water samples using synthesized polypyrrol/MWCNT composites"	Philadelphia, PA, USA	21-25 August 2016
132	Prof. Dr. Shahid Kamal Principal	College of Statistical And Actuarial Sciences	Travel grant oral presentation of research paper titled "Parameter Estimation of Capital Asset Pricing Model (CAPM) through Quantile Regression (QR): An Application on Import Sector for Karachi Stock Exchange (KSE)"	Chicago, Illinois, USA	02 August 2016
133	Ms. Fawzia Tabassum Assistant Professor	School of Physical Sciences	Travel grant for oral presentation of research paper titled "Analysis of Serum Marker Proteins in Hepatitis C Patients As Affected by Neem (Azadirachta indica)"	Atlanta, Georgia, USA	08-11 August 2016
134	Ms. Madiha Waheed Malik Lecturer	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Perceived Employability and Subjective Career Success: Mediating role of Work Life Balance"	Newcastle, England	06-08 September 2016



135	Dr. Shahbaz Ahmad Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Evaluation of indigenous plant extract against the aphid, Schizaphis graminum, under laboratory conditions"	Orland, Florida, USA	25-30 September 2016
136	Dr. Muhammad Shafiq Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Diversity of Geminivirus Associated Alphasatellites from Different Cultivated and Non Cultivated Plants in Pakistan"	Washington, USA	09-12 September 2016
137	Dr. Rida Batool Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Estimation of Cr(VI) reduction potential of Bacillus megaterium"	Surabaya, Indonesia	24-26 August 2016
138	Dr. Nazia Jamil Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Potentials of Urban and Desert soil for bioplastic production"	Surabaya, Indonesia	24-26 August 2016
139	Prof. Dr. Khalid Hussain	University College of Pharmacy, University of the Punjab, Lahore	Travel grant for oral presentation of research paper titled "Eastern and homeopathic multi-ingredient antihypertensive remedies containing Rauwolfia serpentine: Are overlie to allopathic drug?"	Tokushima, Japan	01-04 September 2016



140	Prof. Dr. Muhammad Iqbal Chawla Dean	Faculty of Arts & Humanities	Travel grant for oral presentation of research paper titled "Can the principal of coexistence between India and Pakistan guarantee the peace and prosperity in the region?"	Warsaw, Poland	27-30 July 2016
141	Dr. Abdul Qadir Assistant Professor	College of Earth & Environmental Sciences	Travel grant for oral presentation of research paper titled "Assessment of Polychlorinated Biphenyls (9PCBs) congener profile in human hairs from Industrial, Urban and Rural area of Lahore, Pakistan"	Florence, Italy	28 August - 02 September 2016
142	Dr. Muhammad Umar Manzoor Assistant Professor	Department of Metallurgy and Materials Engineering (CEET)	Travel grant for oral presentation of research paper titled "Electrochemical Characterization of PVD Coated AlTiN Coating on Stainless Steel Substrate for Biomedical Implant"	Aveiro, Portugal	06-09 September 2016
143	Prof. Dr. Abdul Ghaffar Chairman	Department of Geography	Travel grant for poster presentation of research paper titled "Geographical Societies, Knowledge Transfer and the Image of Geography in Pakistan"	Beijing, China	21-25 August 2016
144	Ms. Lubna Zaheer Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "How Social Media Influences the Political Participation of Youth"	Kuala Lumpur, Malaysia	18-20 September 2016



145	Dr. Nasir Ahmad Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Pcal_0768, a highly active 4-alpha-glucanotransferase from <i>Pyrobaculum calidifontis</i> "	Smolenice Castle, Slovakia	11-15 September 2016
146	Ms. Hina Saleem Assistant Professor	Institute of Business & Information Technology	Travel grant for oral presentation of research paper titled "Corporate Social Responsibility (CSR) as a Key Strategy in Consumer Retention: A case study of Pakistan's community"	Northamptonshire, United Kingdom	13-14 September 2016
147	Dr. Amani Moazzam Baig Mirza Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Women coming of age in Pakistan: A gender perspective"	Northamptonshire, United Kingdom	13-14 September 2016
148	Prof. Dr. Zaid Mahmood (On Contract)	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Synthesis and Structural studies of η^3 -allyl carbonitrosyl triphenylphosphine iron complexes"	Seville, Spain	11-15 September 2016
149	Hafiz Muhammad Hamid Raza Lecturer	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Tailoring surface imprinted polymeric particles for removing organic and inorganic toxins from aqueous bodies"	Philadelphia, Pennsylvania, America	21-25 August 2016



150	Dr. Sadia Ata Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Synthesis and Characterization of Polyurethane Polymer and its Utilization for Removal of Methylene Blue in Aqueous System"	Baltimore, Maryland, USA	26-28 September 2016
151	Ms. Iram Gull Assistant Professor	Institute of Bio Chemistry & Biotechnology	Travel grant for poster presentation of research paper titled "DNA based identification of a valuable medicinal plant Lawsonia innermis by development of SCAR markers"	Boston, USA	22-25 August 2016
152	Mr. Muhammad Zeeshan Akbar Computer Instructor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "A Scalable and Flexible Social- Interconnection Architecture for Mobile Devices"	Kuala Lumpur, Malaysia	06-07 September 2016



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 approximately 1100 teachers, 5800 employees & their families and 10000 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.

At Residential Colony Evening Dispensary has started functioning and is providing medical cover to the residents of the colony from 6.00 p.m. to 9.00 p.m.

A Lady Medical Officer is also providing medical cover to the University patients from 3.00 p.m. to 6.00 p.m. daily.

Services of the Diabetic Clinic in the University Health Centre has also been improved. At present there are 1200 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 2015-2016 220 patients were provided comprehensive Cardiac treatment at Punjab Institute of Cardiology. Similarly 3700 patients were referred to Shaukat Khanum Memorial Cancer Hospital for treatment of Malignant diseases. This year 496 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, 3480 students have visited the Health Centre this year for Hepatitis screening. Out of which 18 students turned out HBS-Ag positive and 30 HCV positive. One Hundred and Twenty Seven (112 Employees + 15 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.

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 500 in 2016.



Chapter

16

**FACILITIES OF THE UNIVERSITY
&
IMPROVEMENTS**

**CHAPTER****16****Facilities of the University & Improvements****Facilities of the University & Improvements****HUMAN RESOURCE BRANCH**

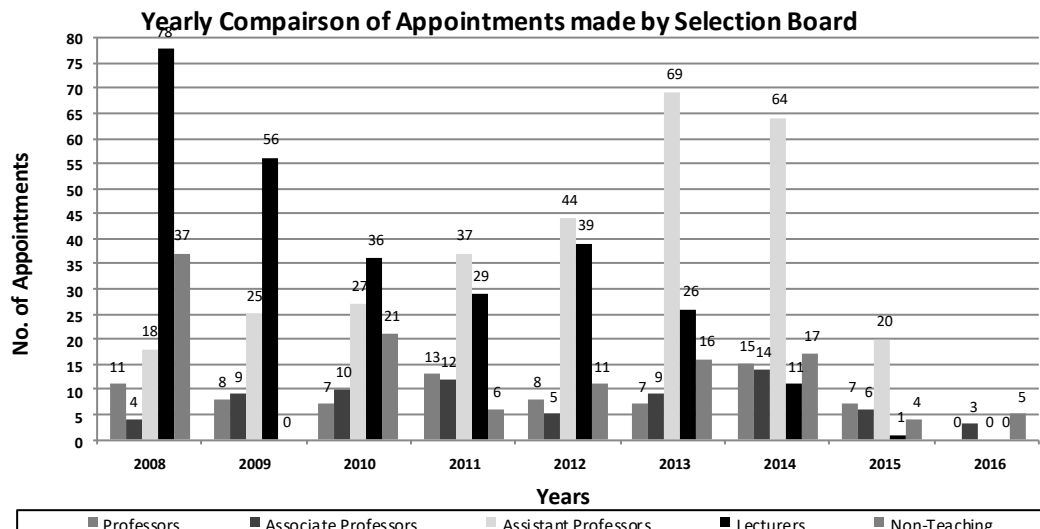
Human Resources Branch was established in October 2008 in order to streamline the appointment procedure of teaching faculty/administrative staff. Following are major functions of the Branch:-

- Publishing of advertisements
- Receiving/processing applications
- Conduction the Selection Boards
- Issuance of appointment orders

Till to time, 21 advertisements for appointment of teaching faculty and administrative posts (BS-17 & above) have been floated in the print media. Against these advertisements, 16508 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, 183 meetings of the Selection Board have been conducted and the breakup of the appointments made in these meetings is as under:-



AFFILIATION BRANCH

During the Period Under reviewed (Oct. 2015 to Sep. 2016), Various Govt. and Private Sector colleges were applied for Grant of Affiliation, in the different disciplines for fresh/addition /extension/increase in intake/ and de-affiliation etc. Detail is given below:-

Sr. No	Session	Total Colleges
1.	Total Visited Colleges	291
2.	Fresh Affiliation Granted	100
3.	Fresh Affiliation Not Granted	-
4.	Addition/Extension/Increase in intake Affiliation granted	344
5.	Increase in intake affiliation not Addition/ Extension	03
6.	De-affiliation/Affiliation/Withdrawn/ Suspended	04

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, 2015-2016 is outlined in the tabular form below:



Sr. No	Task	2015-2016
1.	Total colleges visited	291
2.	Fresh affiliation granted	100
3.	Addition/Extension/Increase in intake granted	344
4.	De-affiliation/ withdrawal of affiliation/ suspension of affiliation	14

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. 21725 letters complains were entered in the Diary Register and were disposed off accordingly. E-mail accounts were handled. 3626 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. 65924 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 2015 to 30 th September 2016	492	207	1682	799	80,000	529	1682	1682	6728	2,213,900	218,345	64

Secrecy Branch

1. B.A./B.Sc. Script Section

B.A/B.Sc. (Composite) Supplementary Examination 2015 was held in October/November 2015 at 26 local and 78 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) and each roll numbers are scrutinized. The result of supplementary 2015 composite was declared on 08.01.2016.

The B.A/B.Sc. Composite Annual Examination 2016 held in April/May 2016 at 363-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. 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 were declared on 29-08-2016. The number of R.L case were cleared within a very short period. Beside these major Annual and Supplementary Examination, special examinations were also held and their results were also declared without any delay.

2. 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 2000 R.L. cases were also cleared in a very short period. M.A./M.Sc. Part-I Annual Examination 2016 in 32 different subjects at 222 local and mofussil examination centres was conducted. Furthermore, M.A./M.Sc. Part-II in 33 different subjects was also conducted at 15 local and mofussil examination centres in the month of June 2016. 30-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.

3. 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 2015 to September 2016. 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, 2015 and



February, March 2016 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 10520 R.L. and R.F.C. cases and 99 different other cases pertaining to above mentioned examinations and about 600 Re-checking cases were settled during this period.

4. B.Com. & Law Scripts Section

It is pointed out that central marking of B.Com. Part-I and B.Com. Part-II Supplementary 2015 & B.Com. Part-I & II Annual Examination 2016 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 2015 and B. Com Part I, and II Annual Examination 2016 have been declared well in time. Central marking of LLB Part-I, II&III Supplementary Examination 2015 and LLB Part I,II &III Annual Examination 2016 was also conducted in the new building of Admin Block, University Lahore. B.Com Part-I supplementary 2015, 10 R.L. Cases R.F.C 496 & 45 Re-checking case. B.Com Part-II Supplementary 2015 20 R.L. Cases R.F.C. 595 & 95 Re-checking cases. LLB Part-I,II & III supplementary 2015 46 R.L. Cases R.F.C. 374 & 67 Re-checking cases. B.Com Part I Annual 2016 94 R.L Cases. R.F.C 5853 & 51 Re.-checking cases. B.Com Part II Annual 2016. 18 R.L Cases R.F.C 3639 & 179 Re-checking cases. LLB Part I, II, & III, 85 RL. Cases R.F.C 3171 & 359 Re-checking cases.

5. 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.

6. Re-Checking Section

Detail of Re-checking cases received and processed during the period from October 2015 to September 2016 is given below: -

1. B.A./B.Sc. cases:	987
2. M.A./M.Sc. & Professional	<u>1487</u>
Total:	2474

7. 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, 2015 to September 2016, 21089 examiners and 6575 paper setters were appointed to fulfill above mentioned tasks.

8. Anti Unfairmeans Section

During the period from 1st October 2015 to 30th September 2016, (1047) unfair means cases in B.A/B.Sc., M.A / M.Sc. and (421) 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 2015 to 30th June 2016)

Detail		No. of Degrees
1.	B.A (Small Degree)	790
	B.A (Large Degree)	17165
2.	B.Sc (Small Degree)	226
	B.Sc (Large Degree)	4205
	M.A (Small Degree)	220
3.	M.A (Large Degree)	5595
	M.Sc (Small Degree)	17
4.	M.Sc. (Large Degree)	1848
5.	B.Com. (Small Degree)	440
	B.Com (Large Degree)	13890
	LL.B (Small Degree)	117
6.	LL.B (Large Degree)	179
	Manual / Professional Degrees (Old Pattern)	596
7.	Manual / Professional Degrees (New Pattern)	16852
	DMC	3804
Total Degrees		65944

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.

Session	Appeared Candidates in Examination		
	Composite	Part-I	Part-II
S/2015	28546	-	-
A/2016	118318	48095	-

**Total Candidates appeared for the Year (2015-16) is 194959**

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 5128 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 2015-2016 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: 45874

B.Com Part-II: 42146

For LL.B:

LL.B. Part-I: 11998

LL.B. Part-II: 1750

LL.B. Part-III: 6275

M.A. / M.Sc. (Computer Section / Tabulation Section)

The M.A. /M.Sc. Part-I & Part-II Annual Examinations 2015 were held in June/July 2015 and results were declared in Nov & Dec 2015. Result Cards were dispatched accordingly. 59890 candidates appeared in Part-I and 37265 candidates appeared in Part-II Annual Examination 2015. R.L. Cases were also cleared within very short period of time. The M.A. /M.Sc. Part-I & Part-II Supplementary Examinations 2015 were held in February/March 2016 and results were declared in April 2016. Result Cards were dispatched accordingly. 9060 candidates appeared in Part-I and 10183 candidates appeared in Part-II Supplementary Examination 2015. R.L. Cases were also cleared within very short period of time. 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.

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 2015-16.

1. 312500 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 510500 Admissions 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 153 & 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 from 1-10-2015 to 30-09-2017. 109 & 112 Writ Petitions have been decided and the remaining is still pending in the above-mentioned Courts of Law. Similarly, 82 & 101 Complaints were received from the office of the Provincial Ombudsman out of which 49 & 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.

In 2015-16, the sealed envelopes containing total No. 11987 of Award Lists were received from the Examiners of the various Examinations. These Awards Lists were checked / entered and delivered to the Section In-charge of the Computerized and manual Result Sections for compilation of Results.

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. 8682 Cases were received by hand which were processed accordingly. 8087 inquiries letters were registered in Dak Register (by post).



1680 cases of M.A/M.Sc. were received and processed; only 5 cases are under process up till now. 3546 cases of B.Com/LLB. Were received and processed, 10 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 2015-2016, 103 different professional examinations were conducted for 19716 candidates & during the stipulated period different examinations were conducted for 11577 candidates.

Total 100 results were declared in 2015-2016, 12011 candidates were declared pass & total 77 results were declared in candidates were declared pass.

BS Computer Section

This section dealt with the results of Annual/Semester system examinations. During the stipulated period 2015-2016, 33 different professional examinations were conducted for 20243 candidates.

Total 35 results were declared in 2015-2016, 17291 out of 18314 candidates were declared pass.

Professional Hall

It is submitted that this section deals with all the Professional Examinations running under semester and annual system. 87 results of Undergraduate programs and 3216 candidates were appeared. 89 results of Master Degree programs and 3422 candidates were appeared, 91 results of MS/M.Phil. and 1252 candidates were appeared. The results of 40 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 125th Annual Convocation, wherein 1436 candidates were invited and office also got prepared medals from Pakistan Mint to be awarded to the top students i.e. 171 candidates from various disciplines.

DEPARTMENT OF PRESS & PUBLICATIONS

- **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.
- **R&D-An Overview**
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 2015 to September 2016 are as following.

Sr. #	Departments	Description	Numbers
1.	Controller of Examination, Institute of Chemical Engineering, Institute of Social & cultural Studies, Institute of Communication Studies, Gujranwala Campus, Centre for High Energy Physics, University Law College, Institute Business Administration, Institute of Education Research, Hailey College of Commerce, Hailey College of Banking & Finance, Department of Information Management, Centre for Undergraduate Studies, Institute of Bio Chemistry & Bio Technology, Department of Zoology, Department of Botany, Department of Mathematics, College of Earth & Environmental Sciences & College of Engineering & Emerging Technology.	Answer Books/Extra Book/ Practical Books	27,30,000
2.	Controller of Examination, Registrar Office, Law College, Department of Political Science, Institute of Quality & Management, Institute of Chemical Engineering, Department of mathematics, Institute of Administrative Science, Department of History, Sheikh Zayed Islamic Centre, Department of Information Management, College of Pharmacy, Department of Zoology, Institute of Geology, College of Earth & Environmental Sciences, Fee Section & Department of Botany	Degree / Diploma/ Certificates/ Transcripts	98852
3.	Controller of Examination	Result Cards	854000



4.	Controller of Examination, Disciplinary Committee, Resident Office – I, Accounts Branch, Main Store, Health Centre, Treasure Office, Admission Committee, DRA (acad) Institute of Business Administration, Hailey College of Banking & Finance, Law College, Institute of Applied Psychology, Institute of Education & Research. Institute of Quality & Management, Hall Council, Department of Sport for Women, Gujranwala Campus, College of Earth & Environmental Sciences	Admission Forms/ All types of forms	1359270
5.	Academic branch, Addl. Registrar – II, Meeting Section, Controller of Examination, Planning & Development, DRA HR, Public Relation Officer	Title/ Agenda/ Gazette/ Annual Report, Progress Report	3244
6.	Institute of Business Administration, Gujranwala Campus, Law College, Institute of Education Research, Department of Punjabi, Department of Arabic, Department of Mathematics, Department of Political Science, Centre for Solid State Physics, Sheikh Zayed Islamic Centre, Department of Physics, Department of Sports, Department of English, Chemistry, School of Biological Sciences, Institute of Business Administration, Department of Information Management, Department of Space Sciences, Clinical Psychology, Hailey College of Commerce, Urdu, Islamic Studies, Communication Studies, Statistical & Actuarial Sciences, Coal Technology, Chemical Engineering, Art & Design, Gujranwala Campus, Applied Psychology, Special Education, Space Science, Hall Council, Political Science, Institute of Education Research, Zoology, Banking & Finance, Sheikh Zayed Islamic Centre, Administrative Science, TEVTA, History, Law College, Pharmacy, Archeology, Physics, Jehlum Campus, French, Earth & Environmental Sciences.	Prospectuses	84750



7.	Various Officers/ Teaching Staff of Punjab University	Visiting Cards	23150
8.	Economics, South Asian Studies, Oriental College, Philosophy, mathematics, Sheikh Zayed Islamic Centre, Islamic Studies, Applied Psychology, Engineering Technology, Political Science, Research Society of Pakistan, Zoology, Oriental Learning, Urdu, Agricultural Sciences, English, Communication Studies, Information Management, Statistical Sciences, University of Sargodha, Kashmiryat, Mathematics, Punjabi, Clinical Psychology, Pharmacy, History,	Journals	13915
9.	Vice chancellor office, Management Sciences, Chemical Engineering, Main Library, Roomi Chair, Development Committee, Art & Design, Pakistan Study Centre, South Asian Studies, Dr. Waqar, Clinical Psychology, Hajvery Chair, Manzoor ul Hassan, Social & Cultural Studies, Communication Studies, Punjabi, Malik Zaheer, Philosophy, Applied Psychology, Artist Association, History, English, College of Information Technology, Pharmacy, Iqbaliyat, French, Oriental Learning, Nizami Chair, Class book c/o superintendent,	Books	38350
10.	Registration Branch, Controller of Examination, Vice Chancellor office, Registrar office, Public Relation officer, Affiliation Branch, Reception Committee, High Energy Physics, Earth & Environmental Sciences, STC, South Asian Studies, Administration Studies, Space Science, Philosophy, Gujranwala Campus, Law College, Mathematics, Statistical Sciences, Physics, Persian, Hostel 14, Banking & Finance, Solid State Physics,	Envelopes	478400



11.	C/o Shabbir Sarwar ICS, ORIC , Institute of Business Administrative, Hailey College of Banking & Finance, Department of English, University of Pharmacy, Institute of Communication Studies	News Letters	8650
12.	Registration Branch, Registrar office, Textile Engineering, Academic Staff Association, C/o Waqas Akhtar Jr. binder, Department of Zoology, Jehlum Campus	Posters, Stickers & Hall map	15800
13.	Vice Chancellor office, Planning Development Cell, Deputy Registrar HR, Students Financial Aid Officers, Directorate of Students Affairs, Health Centre, Deptt. Of Information Management, Chemical Eng & technology, Centre for Clinical Psychology, Institute of Applied Psychology, C/o Institute of Social & Cultural Studies, Artistic Association of Punjab, C/o Superintendent Press, College of Art & Design, Solid State Physics, C/o Ali Ahmad, C/o Secretary ASA C/o Shahid Ahmad Javaid, External Linkages, Department of Information Management, Institute of Quality and Technology management	Brochures, Pamphlet & booklet	38724
14.	Vice Chancellor office	Fact Books	1000
15.	Institute of Education Research, Sheikh Zayed Islamic Centre	Registration Cards	70000
16.	Main Store, Adviser to VC, Resident Officer – I, Registrar office, Health Centre,	Receipts, Slips, Ballot Paper, Ticket	77189
17.	Resident Officer – I, Main Store, Accounts Branch, Treasurer office, controller Examination, PUPRESS, Institute of Social & Cultural Studies, Hostel No. 14	Registers for various kinds	1957



18.	Treasurer Office, Controller of Examination, CMO, Registrar, CHEP, PUCIT, Deptt. Of information Management, Centre for South Asian Studies, Chemical Eng & Technology, Space Science, Sheikh Zayed Islamic Centre, Warden Boys Hostel 19, Statistical & Actuarial Sciences, C/o Director Press , Department of Arabic, University College of Pharmacy, Institute of Bio Chemistry Boi Tech, College of Earth & Environmental Sciences, Punjab University Employee Housing Scheme, University College of Pharmacy, Department of Textile Engineering PU Laboratory High School, Department of Zoology, Hazrat Khalid Bin Waleed Hall, Hazrat Khalid Bin Waleed Hall, PU Employees Housing Society, Punjab University Executive Club, College of Engineering & Emerging Technology, College of Earth & Environmental Sciences, Oriental College Achademic Staff Association, Faculty of Economics and Management Sciences, C/o ali Ahmad Superintendent Press, Department of Information Management, Institute of Business Administrative, Research Society of Pakistan, Salah Udin Ayubi Hall #11, Institute of Geology, C/o Jalil Mohsin, Institute of Social & Cultural Studies, Department of Persian, C/o Col Iram Ullah, Department of French, Institute of Geology, College of Earth & Environmental Sciences, Hostel No. 18, Hostel No. 14, Institute of Communication Studies, Vice Chancellor office, Institute of Chemistry	Letter Pads	103194
19.	Department of Information Management, Law College	Programs Cards	700



20.	CHEP, Chemical Eng & Technology, CEES, Institute of Administrative Science, Department of Space Science, PUGC Gujranwala Campus, PUGC, College of Pharmacy, Department of Mathematics, Department of Physics, Faculty of Economics and Management Sciences, Centre for Clinical Psychology, Department of Persian, Hostel No. 14, Hailey College of Banking & Finance, Institute of Communication Studies	File Covers	33800
21.	Resident Officer-I-, College of Pharmacy	Convocation Cards, Season cards	1200
22.	Registrar Office, Deptt. Of Zoology, Deptt. Of Information Management, Geology, College of Earth & Environmental Tech, Institute of Chemical Eng & Tech, Department of Mathematics, Directorate of Student Affairs, Department of History, Sheikh Zayed Islamic Centre , Department of Information Management, College of Pharmacy, Department of Political Science, Department of Botany	Certificates	60150
23.	Vice Chancellor, Health Centre, Registrar Office, Hostel #11, C/o Prof. Dr. Saleem M azhar, Hailey College of Commerce	Complementary Cards, Visitors Slips, Permission slips	74150
24.	Department of French, Department of French, Hailey College of Commerce, Directorate of Students Affair, Press & Publications, HCC Cafeteria, C/o Shahid sb, University Executive Club, College of Engineering & Emerging Technology, C/o Superintendent Press	Students Card, Class Cards, Library Cards, Book Pockets Bill books & Teacher Cards.	70810
25.	Vice Chancellor Office	Executive Diaries, Small Diary, Day Planner, Bags	18525



26.	Reception Committee, Vice Chancellor office, Controller Examination, Space Science, C/o Dr. Shahid Gull STC, C/o Ch. Mushtaq Mashih, C/o PRO, Department of Philosophy University Law College, Institute of Communication Studies	Invitation Cards	3700
27.	Vice Chancellor Office, Controller Examination, C/o Mehboob Hassan ASA, C/o Madam Naeela,	Wall calendar, Pocket calendar, University Calendar, Ramzan Calendar	4550
28.	CHEP, Oriental College, PRO, University College of Pharmacy, University Law College, Institute of Communication Studies	Magazine	5150
29.	Deptt. Of Information Management, Chemical Eng & Technology, Centre for Clinical Psychology	Abstracts	950
30.	Hall Council, Punjab University Employee Housing Scheme	Allotment Letters	3293

Our Mission is to disseminate knowledge and creative work in all of its forms through scientific and intellectual publishing at affordable price.

INFORMATION TECHNOLOGY CENTRE

Network

Achievements & Expansion

New Extension Wi-Fi/ Wireless solutions

- 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

New Extension in 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 Extension in FOC LAN

- New Building of Department of Information Management.
- New Building of Department of Textile Engineering & Technology.
- GIS Centre.

Software Development

Achievements & Expansion

Fee Management System (Fee Section - Accounts Branch)

- Refund of Challans (Multiple refunds of a traced challan).
- Adjustment of Traced & Unused challans, to use excess amount for other exam admission.
- Adjustment of Form Entry (including forms having Multiple Challans).
- Reports for Refund & Adjustment.
- Ledger for Colleges fee challans & students summary (Exam Conduct wise).
- Changes (of fee collections) done in Income Statement Report.
- Student History Report (To view previous exam application & fee history using Registration No of student)
- Daily Form Feeding Report (User wise)
- Missing Due Fee Report (to show forms for which due fee is not imported).
- Missing Serial Report (to show missing forms).

***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.

Online Registration Portal

Administration Panel for Registration Branch Officials:

- Manage Programs of Affiliated Colleges.
- Manage Subjects of Affiliated Colleges.
- Registration Schedules for Affiliated Colleges with Single Fee & Additional three categories (Rs. 300, Rs. 400 & Rs. 500).
- List of Students admitted in Affiliated Colleges with respect to Registration
- Registration Return receiving in Online Registration Portal sent by affiliated colleges.
- Export feature (in MS Excel format) for affiliated colleges students for which Registration Return is received, *Forms data* and *Pictures*, to be submitted/imported in Examination Software for further process.
- Summary of entered Applicants (of affiliated colleges) according to their status (1. entered, 2. Final Submitted, 3. Received, 4. Exported).

Affiliation Branch

- Manage Districts of Affiliated Colleges.
- Manage Affiliated Colleges & Users for each college.
- Assign Programs & Subjects to affiliated colleges.
- Assign Intake Limit (Morning & Evening) with Intake Period (from year & to year) to affiliated colleges.
- Affiliation extension with respect to Programs, Subjects, Intake Limit & Intake period.

Portal for Affiliated Colleges

Around 650+ colleges are using this portal for registration returns & 50+ programs are opened every year for affiliated colleges. Each college can add students to its allowed program and upto maximum allowed intake for that program/subject.

- Add Student in desired Opened/Available Registration Exam Schedule.
- Manage Student (Edit/Delete/List) added Students with searching filters.
- Generate Challans for added student for each registration schedule respectively.
- Final Submit/Generate Return for the students, for which challan has been generated.
- View/Take Print of generated Fee Challans & Registration Return.

Billing System for Engineering Branch

A new feature was developed to enhance GUI of the billing software to make more users friendly. New reports were added in the system for timely decision making.



MLIMS (Multilingual Library Information Management System)

Maintenance and extension of software continued.

OPAC (Online Public Access Catalog)

Maintenance and extension of software continued.

Campus Management Solution

Queries Entertained

Total 54 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: 54		
Open Queries	Closed Queries	Verified Queries
0	54	0
Solved on Same Date	Solved on Next Date	Solved After 2 Days
27	12	15

Web Section

Achievements

PU Website Updating

Web section entertained about more than 13,000 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.

PU Website New Design

IT Centre has designed and developed the new website of University of the Punjab. (<http://pu.edu.pk>)

Development of DPCC website

Design and developed website for DPCC

Punjab University Alumni Association

Design and developed website for Punjab University Alumni Association.

Pakistan Journal of Information Management & Libraries (PJIM&L)

IT Centre has developed journal Management system of Pakistan Journal of Information Management and Libraries for department of Information managements.

<http://111.68.103.26/journals/index.php/pjiml>



Maintenances Activities

Supports Section

Achievements

Important Functions Conducted

- 1 Day Conference South Asian Studies Department August 16, 2016
- Celebrations of Independence Day
- Applied Psychology Annual Dinner Arrangement
- Annual Prize Distribution for BA/BSc Annual Examination 2016
- CM Laptop Distribution Ceremony
- International Conference on Research in Education (ICORE)
- Annual Convocation 2016
- 2 Day International Conference in Clinical Psychology
- 2 Day Invention to Innovation Summit 2016

Sr. No.	Month	Queries Resolved
01	October, 2015	103
02	November, 2015	85
03	December, 2015	115
04	January, 2016	110
05	February, 2016	75
06	March, 2016	109
07	April, 2016	131
08	May, 2016	109
09	June, 2016	112
10	July, 2016	103
11	August, 2016	76
12	September, 2016	121
	Total	1249

Hardware Section

Achievements

Microsoft NSSA Portal licensed (Faculty, staff & students) issued/distributed =1363 Microsoft Windows Licenses Distribution Detail

Department	Windows 7	Windows 8.1	Windows 10 Enterprise	MS office 2013	MS Office 2016
PUCIT	500	250	250	200	250
Jhelum campus	250	250	250	150	250
Gujranwala Campus	500	250	250	200	250
Department of Geography		40			40
Total	1250	790	750	550	790



Hardware Lab

Achievements

Total Number of Queries Entertained = 468

Sr. No.	Month	Queries Resolved
01	October, 2015	29
02	November, 2015	27
03	December, 2015	45
04	January, 2016	38
05	February, 2016	25
06	March, 2016	49
07	April, 2016	30
08	May, 2016	49
09	June, 2016	29
10	July, 2016	26
11	August, 2016	83
12	September, 2016	38
	Total	468

Video Conferencing

Video Conferences

Sr. No.	Date	Description (Video Conference)	Facilitated Department	Destination
1	21-12-2015	2 nd Tech meeting	I.T Centre	HEC Islamabad
2	12-01-2016	Microsoft E-Learning Portal	I.T Centre	HEC Karachi
3	15-01-2016	Windows Server 2012	I.T Centre	HEC Islamabad
4	27-01-2016	PERN meeting	I.T Centre	HEC Islamabad
5	08-03-2016	Meeting with Collaborators	Botany	Australia
6	29-03-2016	Education Assessment	VC Office	Glasgow ,UK
7	05-04-2016	World Quality day	QEC	HEC Islamabad
8	08-04-2016	Smart Universities	VC Office	HEC Islamabad
9	21-05-2016	Allocation of Grants	VC Office	HEC Islamabad
10	13-06-2016	Video Conference	Math	HEC Islamabad
11	21-06-2016	Lecture through VC	Math	HEC Islamabad
12	22-07-2016	M.Phil Viva	Coal Technology	HEC Islamabad
13	27-07-2016	Assessment and Learning Outcomes	QEC	HEC Islamabad
14	01-08-2016	Video Conference	VC Office	HEC Islamabad
15	03-08-2016	Video Conference	VC Office	HEC Islamabad
16	11-08-2016	Video Conference	QEC	HEC Islamabad



DEPARTMENT OF PUBLIC RELATIONS

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 750 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.

DIRECTORATE OF EXTERNAL LINKAGES

Collaborations have been established with China (2), Turkey (2), and one each with Australia, Belarus, & British Council international universities/institutions during the calendar starting from 1st October 2015 to 30th September 2016). In addition, a total of seven (07) 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	Institute of Administrative Sciences, University of the Punjab, Lahore.	Belarusian State Technological University, Belarus	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor <u>Belarusian State Technological University</u> Rector	Sep.21, 2016



2	University of the Punjab Lahore.	China University of Geo-Sciences, China	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor <u>China University of Geo-Sciences</u> Prof. Hao Fang, Vice-President	Feb. 23, 2016
3	University of the Punjab Lahore.	British Council	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor Dr. Zakria Zakar, Dean, FBSS <u>British Council</u> Peter Upton, Country Director Faiza Inayat, Head of Program	January, 2016
4	University of the Punjab Lahore.	Macquarie University Sydney, Australia	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor Dr. Maria I. Maldonado, Director <u>Macquarie University</u> Mr. John Gorman, Acting Chief Operating Officer Dr. Rahat Munir Head, Dpt. Of Accounting & Corporate	Jan. 01, 2016
5	University of the Punjab, Lahore.	Mevlana Exchange Program Protocol, Kastamonu University, Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor <u>Kastamonu University</u> Prof. Dr. Seyit AYDIN, Rector	Nov. 06, 2015
6	University of the Punjab, Lahore.	Kastamonu University, Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor <u>Kastamonu University</u> Prof. Dr. Seyit AYDIN, Rector	Nov. 06, 2015
7	Confucius Institute of University of the Punjab, Lahore.	Confucius Institute, China	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, Vice-Chancellor Dr. Maria I. Maldonado, Director <u>Chinese Representative</u> Prof. Liu Chensheng	Oct. 08, 2015



1.2. 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	Punjab University College of Pharmacy P.U., Lahore.	Pakistan Pharmaceutical Manufacturers Association	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC Prof. nadeem Irfan Bukhari, Principal <u>Pakistan Pharmaceutical</u> Mr. Hamid Raza, Chairman Mr. Uzair nagra, C.E.O.	Sep. 01, 2016
2	University of the Punjab, Lahore.	Pepsi-Cola International (Pvt.) Ltd.	<u>University of the Punjab</u> Dr. Maria I. Maldonado, Director & Dr. M. Saleem Haider, Director <u>Pepsi-Cola International (Pvt.)</u> Mr. Asad Ul Azim & Mr. Izhar ul haq Awan	Jul. 13, 2016
3	University of the Punjab, Lahore.	Overseas Pakistanis Commission (OPC)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Director General</u> Nadeem Sarwar	Jun. 17, 2016
4	University of the Punjab, Lahore.	Diocese of Lahore-Church of Pakistan	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Diocese of Lahore-Church of Pakistan</u> The Rt. Revd. Irfan Jamil	Jun. 08, 2016
5	University of the Punjab, Lahore.	Planning & Development Department, Govt. of the Punjab	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC Prof. Dr. Liaqat Ali, Registrar <u>P & D Department</u> Chairman, P&D Dr. Sajjad Mubin, DG	Mar. 25, 2016
6	University of the Punjab, Lahore.	Sindh Madressatul Islam University, Karachi	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran, VC <u>Sindh Madressatul Islam University</u> Prof. Dr. Mohammad Ali Shaikh, VC	Nov. 30, 2015



7	College of Earth and Environmental Sciences University of the Punjab Lahore.	Bulleh Shah Packaging (Private) Limited Lahore, Pakistan	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Dr. Sajid Rashid Ahmad</u> Principal <u>Bulleh Shah Packaging pvt.</u> Ms. Ambreen Waheed, Director Mr. Farhan Ahmed, Assist. Manager	Nov. 20, 2015
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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.

LEGAL CELL

Punjab University cases (other than Examination) which are under trial before various courts of Law.

COURT CASES 2016	
Lower court cases	
Filed	27
Decided	13
Pending	14
High Court Cases	
Filed	109
Decided	79
Pending	30
Supreme Court (CPLA) Cases	
Filed	03
Decided	01
Pending	02

CHIEF ENGINEER OFFICE

Sr. No	Name of Project	Status
1	Extension of Punjab University Main Library at QAC	Complete
2	Const. of New Laboratories of Centre for Coal Tech at QAC	Complete
3	Const. of Cluster class room for Social Science Dept. at QAC	Complete
4	Const. of Electrical Engineering Dept. at QAC	Complete
5	Const. of Zoological Museum at QAC	Complete
6	Const. of new class rooms and offices at Sports Science & Physical Education at QAC	Complete
7	Const. of Two Examination Halls at first floor of IAS AT QAC	Complete



8	Const. of Employees Apartment (J-type) Block H & J QAC	Complete
9	Const. of Faculty Two Bed Apartments Block C at QAC	Complete
10	Const. of Academic Block for PUCIT at ALC	Complete
11	Const. of road from Space Science to Textile Engineering at QAC	Complete
12	Const. of Class room and Seminar room at Applied Psychology at QAC	Complete
13	Const. of lab at IQTM at QAC	Complete
14	Raising of boundary wall from Comprehensive school to Examination centers Wahdat road at QAC	Complete
15	Raising of boundary wall from Graveyard to Maulana Shaukat Ali Road at QAC	Complete
16	Raising of boundary wall from Imam Bargah to Bhekewal Pind at QAC	Complete
17	Const. of RCC boundary wall of Village Shah di Khui at QAC	Complete
18	Const. of Boundary wall with Razor wire from Post Office to Anarkali Bazar at AIC	Complete
19	Const. of boundary wall from Pharmacy to Fine art gate on Mall Road side at AIC	Complete
20	Const. of Boundary wall from Wahdat road to Clinical Psychology (Pre Cast) at QAC	Complete
21	Raising of boundary wall from AIMC to Faisal Chowk at QAC	Complete
22	Raising of boundary wall from Campus Bridge to Building Research Center at QAC	Complete
23	Raising of boundary wall from Main Gate to Gate No 3 at Gujranwala Campus	Complete
24	Raising of boundary wall at back side of Gujranwala Campus	Complete
25	Raising of boundary wall from Islamic Center to IER at QAC	Complete
26	Raising of boundary wall from Barkat market to Campus Bridge at QAC	Complete
27	Raising of boundary wall from IER School to Bhekewal More at QAC	Complete
28	Raising of boundary wall from Clinical Psychology to Islamic Center at QAC	Complete

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, 7565 new titles were added, 7677 new members were registered, nearly 2,41,176 students visited the library and almost 35466 books were issued.

IRC checked and issued 1721 plagiarism certificates of M.Phil. / Ph.D. theses of various disciplines and lot of online Journal Articles. A monthly newspaper index is continuously being published for the last 14 years successfully by Serials section, while in this period its 60 copies have been published and distributed. Serials section subscribed 55 Foreign Journals during the last year, while a total of 18 daily newspapers are being subscribed.



1. 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.

2. Serial Section: continued and completed

- Subscribe 55 International scholarly print journals on different subjects
- Data Entry of journals records in MLIMS (version 2.0)
- Maintain and Update records of Major Urdu & English Newspapers

Students Activities

Information searching techniques taught to the students from HEC online databases

3. Oriental Section (Classification & Cataloguing)

- Urdu Books =2207
- Arabic & Persian Books =326
- Thesis =107

1. Data Entry (Purchasing +Gift Books)

- Urdu, Arabic & Persian Books and Thesis = 2640

2. Data Entry (Personal Collections)

- Maqbool Ahmad Dehlavi No. 6000 to 7000
- Prof. Mu. Saleem No. 1357

3. Personal Collection Accession

- Prof. M. Saleem No. 147854 to 149211
- Prof. M. Iqbal Mujjaddidi 5000 to 6000
- S.M. Zafar

4. Personal Collection Added

- Prof. M. Saleem
- S.M. Zafar

5. Manuscripts Added (11)

4. Foreign / National delegation(s) visits

- Visit of Tajik Education Minister (24 -6-2016)
- Turkish Delegation (31-5-2016)
- Visit of Sri Lankan delegation (23-11-2015)



- Korean Delegation (6-11-2015)
- Chinese delegation along-with Madam Maria (27-10-2015)
- Portugal Visit (02-10-2015)
- Visit of Baloch Turbat BSc (toppers) (19-05-2016)

Participation in Seminars/Conferences/workshops/Symposia/Exhibition etc.

- Mr. Muhammad Asif Khan, Deputy Chief Librarian and Mr. Kashif Khurshid, Senior Librarian participated in 4-days training workshop entitled “Library Automation and Digitization Using Open Source Library Integrated Softwares Through Koha and D-Space” at Baragali Summer Campus, University of Peshawar on August 02-05, 2016.
- 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.
- ✓ Up-gradation MARC base Cataloguing Module MLIMS Version 2.0
- ✓ Organized hands on training and Presentation of Cataloguing module MLIMS Version 2.0 to all Professionals in Internet Lab of Punjab University Library.

Student Activities

- Orientation program is organized annually for newly admitted PU students at the start of every academic year
- 288 hours' Internship Program was organized for the students of Department of Library and Information Sciences, Allama Iqbal Open University, Islamabad from August 4 to September 30, 2016
- 288 hours' Internship Program was organized for the students of Department of Information Management, University of the Punjab in August-Sept, 2016.
- 288 hours' Internship Program was organized for the students of Department of Library and Information Science, University of the Sargodha, Sargodha from August 4 to September 30, 2016

Strengthening Physical Infrastructure

- Upgraded security camera system has been replaced by the old security cameras
- 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

Digital Library

Preservation and Conservation Section is maintaining a database of Digital Library containing almost 30, 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. 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 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 current session 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, 2016 to 649 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, about 2500 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 90 Post Graduate 40 Law, 12 IT and -- Education Colleges.

- **Issuance of No Objection Certificates/Inter University Migration Certificate**

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 24130 migration certificates from 01-07-2015 to 30-06-2016, to the students to proceed for Education in other Universities.

- **Processing of College to College Migration**

Registration Branch issued 153 College to College migration certificates 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 2015-2016, almost 450 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 523 letters of change in name were issued during the year 2015-2016.

- **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 3400 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 3500 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 800 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 124th, 125th Convocations of the Punjab University were held on 19th December 2015 and 24th December 2016 simultaneously. The Registration Branch performed all the duties to hold these convocations 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 1440 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 600 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 37682 candidates for B.A and 2316 for B.Sc Examination in 2015. 39951 candidates are registered for the composite B.A/B.Sc examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

2. B.Com

Registration Branch registered 8624 candidates for B.Com Examination 2015 and 8534 candidates for B.Com Examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

3. M.A/M.Sc

Registration Branch registered 5308 candidates for M.A/M.Sc Examination 2015 and 4137 candidates for M.A/M.Sc Examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

4. B.Ed

Registration Branch registered 256 candidates for B.Ed Examination 2015 and 687 candidates for B.Ed Examination 2016. 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 **94 Houses/Flats/Suites** to the teaching and non-teaching staff during the year 2015-16. New Sui gas meters have also been installed in the official residences of Teaching and Non-teaching staff in the residenstional 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.88,79,675/-

Recovery of Rent Cycle Stands

Rent Collected Rs. 42,00,000/-

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 (S) : 042-99239401

Contents : Transport Wing has fleet of 58 buses.

1. Repair & Maintenance of Vehicles

During the year 2015-2016 Transport Wing has performed following activities in repair and maintenance of buses.

a) Major Repair	No. of Buses
i) Engine overhauling	12
ii) Complete bus body repair & and painting	05
iii) Bus Floor Change	03
iv) Gate Hydraulic Jeck	18
b) Minor Repair of Buses	No. of Repair
i) Leave spring repair	148
ii) Gear box repair	18
iii) Clutch repair	55
iv) Radiator repair	32
v) Injunction Pump and automizer	30
vi) Seat Poshish and Bus Body repair	15



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	628 Items
Mobil Oil	37 drum
Tyres	135 Sets
Batteries	50 Nos

2. Consumption of Diesel

During 2015-16 expenditure of P.O.L is well controlled instead of increased side routes and bus shuttle services inside the university premises. University buses saved diesel of Rs.268,433/-.

3. Revenue Receipt of Transport Wing

Statement showing detail of revenue as follows:

	2015-16
Bus Passes	Rs. 11,60,74,000
Bus Booking and Tickets	Rs. 27,29,398

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. 4,24,85,026/-



3. Self-cultivation

a) Income from Self-Cultivation Land	Rs. 79,06,380/-
b) Expenditure	Rs. 43,41,796/-
c) Saving	Rs. 35,64,584/-
Grand Total	Rs. 4,60,49,610/-

DEPARTMENT OF MOSQUES

Telephone (s): 0092 42 99231135

Fax Number (s): N/A

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 seven students of the Institute completed Hifz-e-Quran.

- | | |
|-------------------|-------------------|
| 1.Shahzeb Ashraf | 2.Sarosh Zahid |
| 3.Muhammad Waqar | 4.Abdullah Mumtaz |
| 5.Muhammad Salman | 6.Muhammad Usman |
| 7.Hassan Abdullah | |

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 **190** male and female students have been studying and **16** 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 aitikaf 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:

- Three new air conditioners having capacity 4-Ton each were installed in Jamia Masjid.
- Two new water-tanks were installed in E-Block Mosque.
- Three new carpets were laid in E-Block Madrassa (Nazira) to facilitate the students.
- Four new close circuit camera (CCTV) were installed in the Madrassa Hifz-e-Quran.
- A new microwave oven was purchased for Madrassa Hifz-e-Quran.
- 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 195 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 2016, besides continuing the subscription of Islamic research journal for the library. The library collection during the said period reached 12433. 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 resident 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 were 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

Telephone (s): +92-42-99230415

Website: <http://www.pu.edu.pk/ccpc>

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.

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	College of Statistical & Actuarial Sciences	Time Management
2	Institute of Business & Information Technology	Effective Interview Skills
3	Department of Mathematics	CV Writing
4	Department of School of Biological Science	Effective Interview Skills
5	Hailey college of Banking & Finance	Effective Interview Skills



6	Department of Pharmacy	Effective Interview Skills
7	Punjab University Information Technology	Effective Interview Skills
8	Center for High Energy Physics	CV Writing
9	Department of Botany	Time Management
10	Department of Philosophy	Time Management
11	Department of Social Work	CV Writing
12	College of Engineering & Emerging Technology	Time Management
13	Institute of Chemical & Engineering Technology	CV Writing
14	Department of History & Pakistan Studies	CV Writing
15	Institute of Quality Technology Management	Time Management
16	Institute of Social & Cultural Studies	Time Management
17	College of Environmental Sciences	CV Writing
18	Department of Gender Studies	Time Management
19	Department of Social Work	CV Writing / Job Applications
20	Institute of Education & Research	CV Writing
21	Department of Social Work	CV Writing
22	Department of Micro & Molecular Genetics	CV Writing
23	Institute of Agricultural Studies	CV Writing
24	Department of Economics	CV Writing / Job Applications

- 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
- 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.