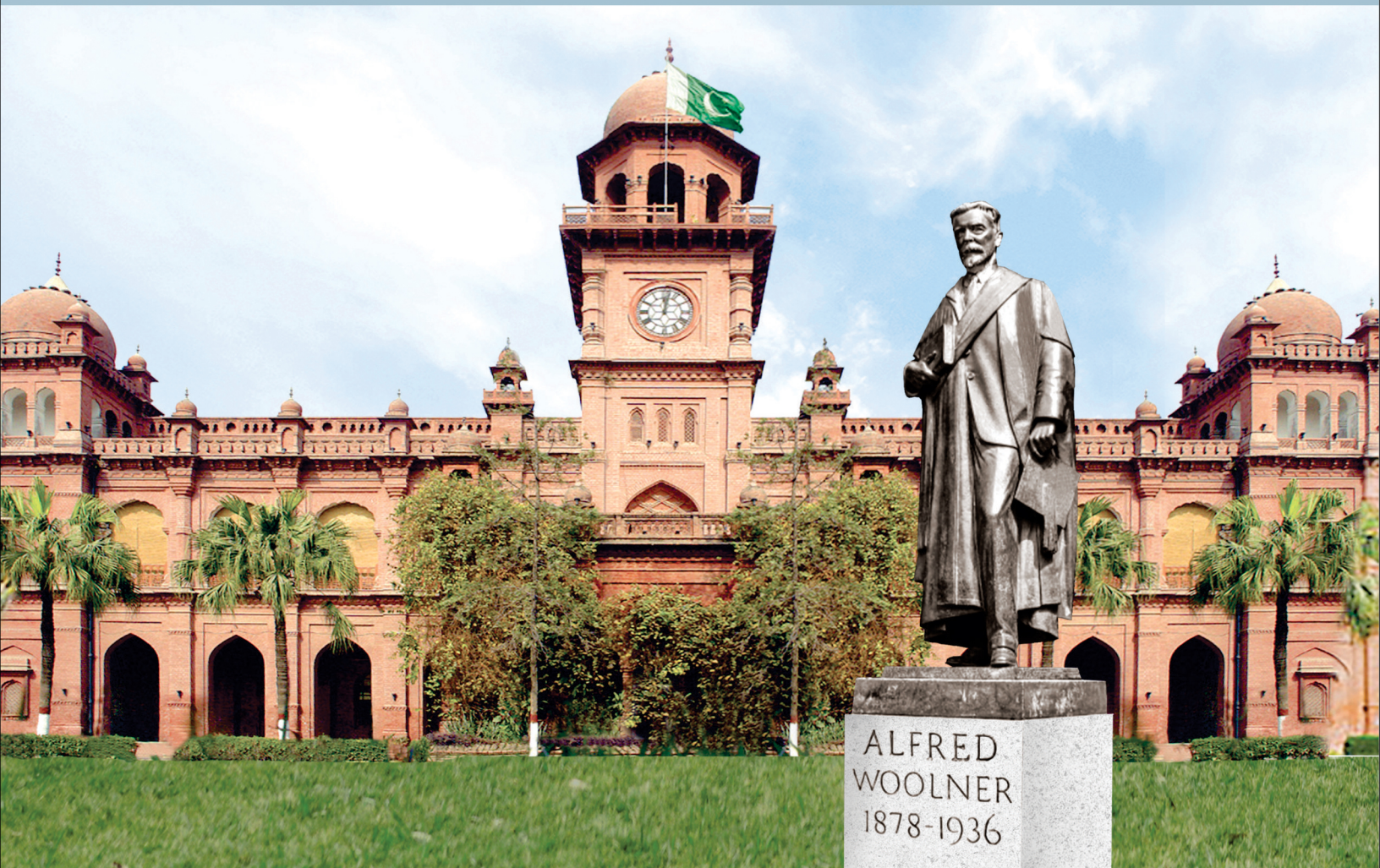




AnnualReport

2018-2019



UNIVERSITY OF THE PUNJAB, LAHORE-PAKISTAN



Annual Report

2018-2019



UNIVERSITY OF THE PUNJAB, LAHORE-PAKISTAN



UNIVERSITY OF THE PUNJAB

Annual Report 2018-2019

ANNUAL REPORT COMMITTEE

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

MESSAGE

At University of the Punjab, Year 2018-19 was a year of faculty development, research breakthroughs, initiation of online admissions system, concept clearance of University of the Punjab Medical and Teaching Hospital and initiation of student support programs. All these milestones have been abridged in this Annual Report.

During 2018-2019, this university enrolled 45,060 regular students in about 350 academic programs, amongst these, 1910 students were enrolled in PhD degree programs being offered in multiple disciplines. During this year, the university enrolled 228,751 students through its 634 affiliated colleges. There are about 960 regular faculty members with 557 Ph.D. degree holders. As far as promotion of research is concerned, its funding has been increased upto Rs. 150 million in 2019. A research Endowment Fund (created with Rs. 250 million in 2010) currently stands at Rs. 601 millions.

As far as faculty development is concerned, an amount of 30 millions has been allocated for faculty development program. Further, an endowment fund of 40 millions has also been set up for welfare of the employees. To alleviate financial hardship of students, need and merit based scholarships are provided. During this year, more than 25% of regular students were provided scholarships. The University first time launched online admission system of the students for Session 2019 and received over 150,000 applications, out of which about 12000 got admission.

The University management has taken initiative to materialize the plan for establishment of Medical College and a hospital. Last but not the least, University of the Punjab has improved its ranking amongst the International Universities.

Prof. Dr. Niaz Ahmad Akhtar (Sitara-i-Imtiaz)

Vice Chancellor

University of the Punjab

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1

Chapter

ACADEMIC ACTIVITIES

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



**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. Morning & Evening & Ph.D.
- **Academic Achievements**
 - M.Phil. 20 (Morning), 16 (Evening) & Ph.D. 7
 - 24 Indian Studies Diploma
 - 31 M.Phil Pass out Students and 7 Ph.D Pass out Students
- **Institutional Linkages: 4**

COLLEGE OF ART & DESIGN

Telephone (s): +92-42-99212834, 42-99212729

Fax Number (s): +92-42-99212779

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

- **Undergraduate and Postgraduate Programmes**
 - MFA (Fine Arts, Graphic Design, Textile Design)
 - M. Arch.
 - MA (Fine Arts)
 - BFA (Fine Arts, Graphic Design, Textile Design)
 - B Arch
- **M.Phil and PhD Programs**
 - M. Phil (Studio Practice and Art History)

Diplomas

 - Professional Diploma (Fine Arts, Graphic Design, Textile Design, Drawing)
 - Postgraduate Diploma in Interior Design
- **Academic Achievements**
M. Phil Degrees Awarded



- The Research Centre of the University College of Art & Design was established in 2002. The Centre was designed to produce creative and intellectual manpower in the field of Art & Design. Five highly qualified and experienced faculty members are serving in the Centre. Prof. Dr. Shahida Manzoor from Ohio University, USA; Prof. Dr. Shaukat Mahmood, from University of Edinburgh, UK; Prof Dr. Naseem Akhtar Said from Punjab University, Lahore, Dr. Sumera Jawad from Punjab University, Lahore; Dr. Samina Zaheer from Punjab University, Lahore and Dr. Rafya Tahir from Punjab University, Lahore.
- Ms. Munazza Rashid earned the Ph.D. Degree in (Art History). Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Sculpture: A Controversial Art Form in Pakistan".
- Ms. Naela Aamir also earned the Ph.D. Degree in (Art History). Her thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of her thesis was "Woodcarvings of Bhera and Chiniot: Aesthetics and Historical Perspective".
- Ms. Sana Khan, an M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Nasim Akhtar Said. The topic of her thesis was "Significance of Colors in the Paintings of Manohar".
- Ms. Kiran Jan, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Mahmood Hussain. The topic of her thesis was "Decorative Elements of Chauburji and Contemporary Analysis".
- Ms. Shamaila Islam, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Sumera Jawad. The topic of her thesis was "Manifestation of Flora and Human Aesthetics".
- Ms. Sarosh Tariq, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Samina Zaheer. The topic of her thesis was "A Subjective Expression of an Objective World".
- Ms. Naila Nasar, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Romanticism in Paintings of Shahida Manzoor".
- Mr. Muhammad Asif Raza, an M.Phil candidate was declared successful. His thesis was completed under the supervision of Prof. Dr. Nasim Akhtar Said. The topic of his thesis was "Harmonium: History, The Instrument and Its Musical use in Pakistan".
- Ms. Shabnam Bibi, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Versatile Artist in the Field of Arts: Muhammad Javed".
- Ms. Zil-e-Huma Manzoor, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Rafya Tahir. The topic of her thesis was "Pakistani Paper Currencies and Its Evaluation".
- Ms. Arooj Zahra, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Rafya Tahir. The topic of her thesis was "Equine and Equestrian's Angles on Picture Wall of Lahore Fort".



- Ms. Madiha Zulifqar, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Rafya Tahir. The topic of her thesis was “Influence of Persian Carpets on Contemporary Paintings of Pakistan”.
- Ms. Maomoonah Rahim, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Dr. Rafya Tahir. The topic of her thesis was “Contemporary Regional Designs of Holy Quran in Punjab”.
- Ms. Sumera Manzoor, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was “The Architectural and historical Aspects of Quaid-e-Azam Library”.
- Ms. Asma Munawar, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was “Analysis of Surface Decoration of Dai Anga’s Tomb”.
- Ms. Anoshia Mukhtar, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Nasim Akhtar Said. The topic of her thesis was “Categorization of Pakistani Calligraphic Art”.
- Ms. Sobia Rasheed, an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Nasim Akhtar Said. The topic of her thesis was “Depiction of Animals on the Picture Wall of the Lahore Fort”.
- 10 students admitted to Ph.D. Programme for the session 2017-22.
- 19 M.Phil, students are enrolled for the session 2017-19. 21 students are enrolled in M.Phil for the session 2017-19 under the self supporting replica programme.
- 15 M.Phil, students are enrolled this year (Session 2018-20) in the Research Centre. All the students are actively engaged in their course work.
- Research Topics have been assigned by the DDPC in Art & Design to 34 M.Phil students, session 2016-18 and 9 PhD candidates for the session 2015-20.
- Six months’ extension in the research period granted by the worthy Vice-Chancellor to 11 M.Phil candidates for the session 2015-17.

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**

Syllabus of MA Archaeology, Semester System was revised and some new courses are introduced.



○ **Institutional Linkages**

MOU Signed

- Memorandum of Understanding signed between Dyal Singh Research and Cultural Forum (DSRCF), and Department of Archaeology, University of the Punjab.
- MOU between Department of Archaeology, University of the Punjab and Tourism Development Corporation of Punjab (TDCP).
- MOU between Department of Archaeology, University of the Punjab and Museums Association of Pakistan.

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 BS Morning Session (2015-2019) Research Papers (Linguistics) Completed

Roll No.	Student Name	Name of Supervisor	Date of Viva Voce	Name of Supervisor (External)	Thesis Topic
1	Khadija Shoukat	Prof. Dr. Amra Raza	17th July 2019 Wednesday 01:00 PM	Dr. Saeed ur Rehman Professor 101 E Block Architects Society, Lahore (+923008818188)	Lahore's Linguistic Landscape: The Social, Political and Economic Manifestation of Lahori Language Community
6	Mirha Imran				Identity Construction and Labelling: Critical Discourse Analysis of Western Media Reports on Terrorism



7	Laiba Butt	Ms. Ayesha Barque	16th July 2019 Tuesday 10:00 AM	Dr. Shireen Rahim Asst. Professor Rahim Estate 76-10/B Arif Jan Road, Lahore Cantt (+923004225017)	Gender and Violence in Red Dead Redemption 2
9	Saher Latif				Construction of Gender in Television and E-Commercials
12	Mahnoor Kokab	Ms. Farwa Qizalbash	15th July 2019 Monday 01:00 AM	Mr. Rizwan Anwar Lecturer GCU 03346498298	A Comparative Critical Discourse Analysis of Representation of Gender Through Animal Metaphors in English and Urdu Proverbs
14	Sabiha Tariq				A Critical Discourse Analysis of Representation of Women in Selected South Asian Songs
20	Hassan Ali	Ms. Amna Shahid	16th July 2019 Tuesday 11:30 AM	Mr. Shakeel Amjad Asst. Professor The Stream Educational Network 03009418187	Impact of L1 on Learning of L2 at Phonological and Morphological Levels
24	Farhana Sardar				Facilitating Impact of Code Switching in Class Rooms: Teacher, Students' Perception of Punjab University
25	Shujia Fatima				Exploring the Conceptions of Authority and Subjugation under the Notion of Linguistic Manipulation by Analysing Dystopian Animated Film by David James Armsby
26	Aiman Irfan	Mr. Shakeel Amjad	16th July 2019 Tuesday 10:00 AM	Dr. Shireen Rahim Asst. Professor Rahim Estate 76-10/B Arif Jan Road, Lahore Cantt (+923004225017)	Proverbs and Patriarchy: A Study of Female Representation in the Language of Proverbs
30	Hamna Naveed				Feminism or Hyper-Feminism? A Critical Analysis of the Placards from Aurat March 2019
32	Noor Ul Huda	Ms. Iram Shakoore	15th July 2019 Monday 11:00 AM	Mr. Zahid Mian Asst. Professor MAO College 03004128971	Reading with Expression in Multilingual Environment: The



					Influence of First Language Impact on the Intonation Pattern / Phonological Pattern of Second Language while Reading
38	Haseeb Aslam Chadhar				Gender Variation in the Use of Language in Political Speeches
39	Mahrugh Ayaz				Pragmatic Analysis of Newspaper Advertisements

▪ A list of BS Morning Session (2015-2019) Research Papers (Literature) Completed.

Roll No.	Student Name	Name of Supervisor (Internal)	Date of Viva Voce	Name of Supervisor (External)	Thesis Topic
2	Maryam Amjad Ali	Dr. Shamaila Dodhy	17th July, 2019 Wednesday 09:30 AM	Dr. Shahid Imtiaz Professor Dept. of English, Govt. Islamia College, Railway Road, Lahore (+923334233050)	Exploration of Betrayal in Exploited Spaces: A Bakhtinian Study of <i>The Shadow of the Crescent Moon</i>
11	Hadia Balouch	Prof. Dr. Amra Raza	17th July, 2019 Wednesday 01:00 PM	Dr. Saeed urRehman Professor 101 E Block Architects Society, Lahore (+923008818188)	Hydrophenomenon is <i>Grimm's Fairy Tales</i> : Once Upon a Critical Analysis
13	Shafaq Fatima	Ms. Hooria Liaqat	17th July, 2019 Wednesday 09:30 AM	Dr. Shahid Imtiaz Professor Dept. of English, Govt. Islamia College, Railway Road, Lahore (+923334233050)	Reconstructing Identity: A Postcolonial Study of Hanif Kureishi's <i>The Black Album</i>
16	Muhammad Siddique	Ms. Ayesha Khalid	15th July, 2019 Monday 10:00 AM	Ms. Sara Abdullah Lecturer Dept of English, LCW University, Lahore S.D 311 ST.# 30 B, Askri 5 Gulberg III, Lahore (+923214808394)	Historical Persecution of the Christian Minority and its Impact on Religious Intolerance in Pakistan in Nadeem Aslam's <i>The Golden Legend</i>
17	Muhammad Ahmad	Syeda Momina Masood			An Intersectional Feminist Study of Kamila Shamsie's <i>Home Fire</i>
18	Rizwan Mustafa	Ms. Zoya Jamil	17th July, 2019 Wednesday 09:30 AM	Dr. Shahid Imtiaz Professor Dept. of English, Govt. Islamia College, Railway Road, Lahore (+923334233050)	Representation of Voice of the Other; Recounting the Disjointed Nation in Roy's <i>The Ministry of Utmost Happiness</i>



22	Kashan Ijaz Sandhu	Dr. Aamir Aziz	17th July, 2019 Wednesday 11:30 AM	Dr. Ammara Khan Asst. Professor Dept of English, LCW University, Lahore House No. 7 Takbeer Block, Sector B, Bahria Town, Lahore (+923219414535)	Quest for Female Identity and Patriarchal Social Structure in ManjuKapor's <i>Difficult Daughter</i>
27	Hira Rafique Rao	Dr. Rizwan Akhtar			Women as Manifestations of Nature in Kazuo Ishiguro's <i>A Pale View of Hills and Never Let Me Go</i>
28	Fatima Azhar	Dr. Khurshid Alam	17th July, 2019 Wednesday 01:00 PM	Dr. Saeed urRehman Professor 101 E Block Architects Society, Lahore (+923008818188)	CoincidentiaOppositor um: Unity of Physical and Psychological Oppositions in Sara Kane's Works
31	Hadiqa Mahboob				Politics of Desire: A Critical Study of Alice Munro's Collection of Short Stories <i>Carried Away</i>
33	Muhammad Hussain	Mr. Shahzeb Khan	17th July, 2019 Wednesday 11:30 AM	Dr. Ammara Khan Asst. Professor Dept of English, LCW University, Lahore House No. 7 Takbeer Block, Sector B, Bahria Town, Lahore (+923219414535)	Construction of 'The Other' in Ghani Khan's <i>The Pathan</i>
31	HamnaMuzaffar (Repeater)	Dr. Aamir Aziz			Cultural Expectations and Identity Crises among Diaspora Indians in Kiran Desai's <i>The Inheritance of Loss</i>

■ A list of M.A Replica Session (2015-2017) Research Papers Completed

Roll No.	Name of the student	Title of Research Paper
1	Kiran Saeed	The City (both Lima and Piura) as Corporeal Entity in Vargas Llosa's <i>The Discreet Hero</i>
2	Rabbiya Sajjad	Inadequacy of Modernist Children Literature for Developing Children's Intellect
3	Nabiha Javed	Exploration of Mental State of Characters: A Psychoanalytic Study of <i>Norwegian Wood</i> by Haruki Murakami.
4	Areeha Zaka	Rejection of Eve: Existential Attachment in Murakami's <i>Men Without Women</i>
5	Ishfaq Ahmad	War as a Continuation of Business by Other Means in Brecht's <i>Mother Courage and Her Children</i>
6	Muhammad Gulraiz Ashraf	The Festival of Insignificance: A Social Darwinist Study of Caliban



7	Afza Munawar	Marginalization of Women and Their treatment in <i>Our Lady of Alice Bhatti</i>
8	Lyla Aamir	Investigating Dichotomies that Shape and Aim to Transcend Othering in the First World in Sidhwa's <i>An American Brat</i>
9	Intezar Hussain	Analogy to the-per: Decaying Culture of Lucknow in NaiyerMasud's <i>Short Stories</i> .
10	Tehreem Fazal Qureshi	A Study of Diaspora in Kamila Shamsie's <i>Home Fire</i>
11	Muhammad Irfan	The Rise and Fall of Two Women of Opposite Character in a Male Dominant Society
12	Aalia	The Marginalization of Transgenders in Roy's <i>The Ministry of Utmost Happiness</i>
13	Saliha Afifa	Effects of Family Dynamics and Trauma on Human Psyche, Shafak's <i>Three Daughters of Eve</i>
14	Sumaira Fayyaz	The Study of Psychoanalytical Phenomenon in <i>The Cuckoo's Calling</i> by Robert Galbraith
15	Nagarish Khan	Baloch Culture as an antifeminist tool in the Right of Jamil Ahmed's <i>The Wandering Falcon</i> .
16	Aniqa Riaz	A Psychoanalytic Study of <i>The Ministry of Utmost Happiness</i> by Arundhati Roy
17	Muhammad Jahanzaib	Modernity and Middle Class Crises in Hamid's <i>Moth Smoke</i> and <i>The Reluctant Fundamentalist</i> .
18	Atta-e-Elahi	The Aftermath of War in Omer al Ekkad's <i>American War</i>
19	Sehar Nadeem	Alienation and Survival in Emma Donoghue's <i>Room</i>
20	Naheed Aslam	Quest of <i>Feminism</i> in Anita Desai's Characters
21	Amaara Mahmood	Ecofeminist Study of Hosseini's <i>A Thousand Splendid Suns</i> .
22	Sana Fiaz	A Feminist Study of Laurie Halse Anderson's <i>Speak</i> and Art as a Source of Traumatic Transcendence for Malinda.
23	Muhammad Hamza Iqbal	Practicality of Sexual Enigma in Khushwant Singh's <i>The Company of Women</i>
24	Sidra Yaqoob	Objectification of Women: Claustrophobic Existence in <i>A House Without Windows</i> .
25	Najma Perveen	Criminal Political Nexus in the <i>Prisoner</i> by Omar Shahid Hamid.
26	Mahnoor Khalid	Phenomena of Grief in Ishiguro's <i>Never Let me Go</i> .
27	Maria Saleem Cheema	Exploration of Theme of Alienation in Hosseini's <i>And The Mountains Echoed</i> .
28	Tasneem Abbas	Preserving the Decaying: Cultural Art forms in Farooqi's <i>Between Clay and Dust</i>
29	Rija Rehman	Transformation of Home, Provisional Borders and Sense of Belonging in Ahmad's <i>Wandering Falcon</i> .
30	Amman Shoaib	Surviving Trauma: A Feminist Study of Kathleen Glasgow's <i>Girl in Pieces</i>



31	Iqra Ali	A Feminist Study of <i>Gone Girl</i> by Gillian Flynn
32	Rida Sohail	Inscribing Bodies: Sexualized Violence and the Female Body in <i>The Trial of Christopher Okigbo</i> by Ali A. Mazrui
33	Tahira Kousar	Quest for a Matriarchal Utopia: Feminist Solidarity in Fouzia Saeed's <i>Working With Sharks</i>
34	Maham Riaz	An Ecofeminist Study of Kamila Shamsie's <i>Burnt Shadows</i> and Ahmed Ali's <i>Twilight in Delhi</i>
35	Arifa Sharif (r)	A Comparative Poetic Study of Rumi and William Blake's Mystic Theology

▪ A list of M.A Replica Session (2016-2018) Research Papers Completed.

Roll No.	Name of the student	Title of Research Paper
1.	Ayesha Zubair	The Sense of Nostalgia in the Spatial Designs of Aslam's <i>The Golden Legend</i>
2.	Aqsa Sadiq	Exploring Domestic Space in "The Story of a Widow" by Musharraf Ali Farooqi
3.	Khalid Usman	Dilemma of the Educated Woman in Manju Kapoor's Fiction
4.	Hafiz Muhammad Junaid	The Sense of Genophobia in Murakami's <i>Colorless Tsukuru Tazaki</i> .
5.	Alina Abbas	Ecocritical Study of <i>The Geometry of God</i> by Uzma Alam Khan.
6.	Irma Zahid	Confronting Vicissitudes of Self-transformation in Arvind Adiga's <i>The White Tiger</i>
7.	Muhammad Hanan	Surviving through Ideological Determinism of Partition in Sidwa's <i>Ice Candy Man</i>
8.	Mehwish Rasheed	Entwined Tropes of Violence and Sexual Discrimination in Shafak's <i>Honour</i>
9.	Amina Jamal	Spatial Emplotting of Love and War in Hosseini's <i>A Thousand Splendid Suns</i>
10.	Umer Farooq	Economic and Penury Battles of Pakistani Working Class in Hamid's <i>Moth Smoke</i>
11.	Parisa Farooq	Commodification of Women in Louise Brown's <i>Dancing Girls of Lahore</i>
12.	Muhammad Waqas Khan	Women's Struggle against Capitalist Hierarchy in Shamsie's <i>Home Fire</i>
13.	Muhammad Naveed Azeem	A Study of Feminist Awakening: Identity and Sexuality in Sidwa's <i>Ice Candy Man</i>
14.	Asma Asim	Institutional Classicism in Arundhati Roy's <i>The God of Small Things</i>
15.	Nawal Akmal	Exploring the Myth of Purity in Bapsi Sidhwa's <i>Water</i>
16.	Musayyab Zahra	Marginalization of Women in <i>The House of Clay and Water</i>
17.	Musha IJaved	Dystopian Fiction, Unexpected Popular Genre of Literature after WWII: Comparing <i>1984</i> and <i>The Hunger Games</i> .



18.	Aroosa Khalid	Panaromic Aspects of Postcolonial Eco-criticism in Roy's <i>The Ministry of Utmost Happiness</i> .
19.	Zeeshan Ali Shaker	The Reflection of Artaud's Theatre of Cruelty in Usman Ali's <i>The Guilt</i> .
20.	Kashif Ali	Flattened Segment of Indian History Under the Hegemony of the British
21.	Zia Ameen	Neoliberalism, Exploiting and Moral Loss in Hamid's Fiction <i>How to Get Filthy Rich in Rising Asia</i>
22.	Ayesha Afzal	Approach to the Real Through Magical Realism: Hamid's <i>Exit West</i> .
23.	Hassan Raza Malik	The Myth of Classification: The Subjugation of Nepalese by Indian Community and the Continuity of Colonial Mindset in Desai's <i>Inheritance of Loss</i>
24.	Shah Bano	Religious Interpretation of Desai's <i>Hullabaloo in the Guava Orchard</i>
25.	Naila Iqbal	The Analysis of the Anecdotal Subtext in Pamuk's <i>My Name is Red</i>
26.	SyedaZainabBatool	Postcolonial Hybridity in ChimamandaNgoziAbichie's <i>Americanah</i> .
27.	Muhammad Sufyan	<i>Exit West</i> a Prediction of Imminent Conflict between Westerners and Emigrants.
28.	Saleh Farheen	The Issue of identity in Hamid's <i>The Reluctant Fundamentalist</i> and <i>Exit West</i>
29.	Hafiz Nauman Ali	Oscillation of Veracity and Individualism Through the Dutch Door of <i>Self Reliance</i> .
30.	Waqas Ahmed	Multidimensional Relationship between Prostitution and Post Partition Society in Farooqui's <i>Between Clay and Dust</i>
31.	Naveed Khan	Tracing Multiple Discourses in <i>Half Of A Yellow Sun</i> with reference to the British Influence on the Nigerian Civil War (1967-70)
32.	UshnaMazhar	An Exploration of Self and Identity through Invisible Customs, Stereotypes and Love in <i>Ashes, Wine and Dust</i>
33.	Sania Jamal	Rejection of Cultural Identities within First and Second Generation Immigrants in <i>The Namesake</i> by Jhumpa Lahiri
34.	Saba Faisal (r)	E.L. James' <i>Fifty Shades of Grey</i> as a Female Escapist Fantasy.
35.	Haider Abbas (r)	Subalternization of Pakistani Christian Women in Hanif's <i>My Lady of Alice Bhatti</i>

- A list of M.Phil Theses completed during the academic year (2016-2018).

1	Syeda Momina Masood	Queer Representation in Pakistani Cinematic Culture.
2	Sabiha Anum	Ecology as an Oppressed Entity: An Eco-Marxist Reading of Roy's <i>The Ministry of Utmost Happiness</i> and Kiran Desai's <i>Hullabaloo in the Guava Orchard</i> .



3	Faizan Haider	The Case of the Fallen American Household: Williams, Miller, Albee and O'Neill.
4	Nazneen Zahra	Subjective Spiritual State in Mysticism: A Study of Maulana Rumi's <i>Perfect Man</i> and Emerson's <i>Transcendental Man</i> .
5	Zoya Aziz	<i>Writing Women, Writing Food: Exploring Culinary symbols in South Asian Diasporic Fiction.</i>
6	Amina Mehmood	<i>(Re)imagining Human Agency in a Post-Human World: An Eco-critical Study of Margaret Atwood's Fiction.</i>
7	Iqra Hassan	<i>Accessing Post 9/11 Pakistani-American Drama: A Study of Dialectical Tensions and Dialogic Possibility.</i>
8	Jari Ullah	<i>Eco-Resistance Against Colonization: A Study of the Female Body, Land and Nature in Jamaica Kincaid.</i>
9	Anka Shahid	<i>Hauntology, Spectres and Phantoms: Re-Imagining the Gothic Tradition in Terms of Colonial Past & Postcolonial Present.</i>
10	Iqra Qamar	<i>Ecological Mutiny against Patriarchy: A Study of Environmental Response To Female Suppression in South Asian Fiction.</i>
11	Syeda Saba Zahra	<i>Contemporary Significance of Zizek's Courtly Love: Self Pollution or Purification.</i>
12	Saba Sharif	Death as a Form of Becoming: A Necropolitical Gaze on <i>The Spinner's Tale</i> and <i>Nobody Killed Her</i> .
13	Shamah Fatima	<i>Rethinking the Soul Debate: Representation of Animals in Post-Conflict Novels.</i>
14	Rubab Asim Ch.	<i>Trauma, Memory and Partition: Political Consciousness in Intizar Hussain's Fiction.</i>

- A list of Ph.D Theses completed during the academic year (2016-2018).

Sr. No.	Student's Name	Title
1	Syrinna Ahsan Ali Haque	Exploring Dialogic Possibilities in Indo-Pak English Novels on Partition.
2	Khurshid Alam	Politics of Identity: A Critical Study of Pakistani Fiction in English.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

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

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

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

○ **Undergraduate and postgraduate Programs**

- BS in History
- 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)
- Post Doctorate in History



○ **Academic Achievement**

- 20 students had passed their M.A. History
- 39 students had passed their M.A. Pakistan Studies
- 28 students had passed their M.Phil. in History
- 03 students had passed their Ph.D. in History

Students Completing their Ph.D

71 students of M.Phil and Ph. D are working their thesis from History Department as regular students.

▪ **Ph.D. Thesis Completed**

03 Ph.D. thesis completed

Dr. Raza Taimoor, Dr. Nyla Umar Mobarik, Muhammad Azeem

▪ **M.Phil. Thesis Completed**

28 M.Phil. thesis completed

FermanAslam, Beenish Mushtaq, Rabia Mehwish, Masoom Zafar, Nazuk Hameed, Anisa Mahmood, Noreen Fatima, Muhammad Tariq, Muhammad Saeed, Ghulam Abbas, Farhan Ahmad, Zaifat Abbas, Ansar Shahzad, Muhammad Ramzan, Taufeeq Ahmad, Amna Nawaz, Muhammad Ramzan, Ghulam Abbas, Muhammad Waris, Namra Syed, Muhammad Asghar, Tasnim Kousar, Nida Rehman, Nazish Javed, Muhammad Amir, Sana Mattie ul Hassan, Shaban Bari, Shahid Wafa

○ **Foreign Academic Linkages**

The Department developed academic linkage with Punjab University and Northeastern University Qinhuaogdao Joint-Supervision of the Doctoral Program in History would be materialized under this joint venture.

○ **Honours and Awards**

- PHEC Foreign Post-Doctoral Fellowship Award was awarded to Dr. Mahboob Hussain.
- PHEC Indigenous Post-Doctoral Fellowship Award was awarded to Dr. Naumana Kiran.

DEPARTMENT OF PHILOSOPHY

Telephone (s): +92-42-99230884

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

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

○ **Undergraduate and Postgraduate Programmes**

- BS Philosophy
- MA Philosophy

○ **MS and PhD Programmes**

- MPhil Philosophy
- PhD Philosophy



○ Academic Achievements

- In the academic session of 2018-19, the Department of Philosophy achieved several teaching and research milestones. In general, the Department published one research journal, revised curriculum and organised several lectures, seminars and talks on different topics.
- The Department of Philosophy organises Iqbal memorial lecture annually. This year's Iqbal memorial lecture was delivered by Professor Dr. Sajid Ali, Ex-Chairman Department of Philosophy, University of the Punjab, Lahore, on the topic, "تشکیل جدید الہیات" (Formation of New Theology).
Shahid Mahmood Gul, Assistant Professor & Incharge Department of Philosophy organised the lecture while Prof. Dr. Khawaja Zikria, presided over the lecture. Faculty members, students and many people from different factions of civil society attended the lecture.
- The Department published its journal entitled: Al-Hikmat: A Journal of Philosophy. In this 2019 number, faculty members of the Department contributed several papers. The Department celebrated the World Philosophy Day. In this regard, the Department arranged a speech and a walk from Department of Philosophy, P.U. New Campus Lahore to Old Campus. Prof. Mirza Athar Baig spoke on the topic and other faculty members of the Department highlighted the significance of Philosophy. After the talks, a walk was held in which faculty members and students participated with play cards and banners to impart the message of the day to civil society.
- For promoting good health and climate change, the Department organised sport galas and excursion tours in which both students and faculty members of the Department participated.
- To pay tribute to ex-chairmen and senior faculty members of the Department of Philosophy, the Department organised a meeting. Many old and recent Philosophy alumni attended the meeting. Professor Abdul Khaliq, Professor Absar Ahmad, Professor Naeem Ahmad, Professor Sajid Ali, Professor Abdul Hafeez, and Professor Ghazala Irfan shared their lifelong teaching and administrative experiences with students. It was an excellent get together to bridge the gap between old generation and new generation philosophers.
- The Department of Philosophy has revised the scheme of studies for BS Philosophy and MA Philosophy programs, which have been approved from the Board of Studies in Philosophy and the Board of Faculty of Arts and Humanities, and the recommendations have also been approved by the registrar office in the meeting of the Academic Council.



PAKISTAN STUDY CENTRE

Telephone (s): +92-42-99231148, 99231196

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

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

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

- Publication of short and full length studies on Pakistan
- Holding of Seminars, Special Lectures, Conferences, in-house discussions on matters of national importance
- Promotion of academic and research relationship with other universities, colleges, Pakistan Study Centres and research institutions.

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

○ **MS and PhD Programmes**

- M. Phil. and Ph.D. (Pakistan Studies) programmes were launched by the Centre in 2005 and 2008 respectively.
- Ten (10) PhD and Thirty (30) M. Phil. students were admitted in academic session 2018-19. Criteria for admission in both programmes set by HEC and Punjab University was strictly followed.

○ **Academic Achievements**

More than forty (40) scholars have been awarded M. Phil. Pakistan Studies degrees during the period under review. Moreover, one PhD scholar successfully defended the thesis and was awarded degree.

○ **Foreign Academic Linkages**

Linkages has been established with foreign eminent academicians and consequently they have been visiting the Centre and delivered the lectures.

○ **Institutional Linkages**

The Centre has been exchanging publications 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

Telephone (s): +92-42-35293858

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

○ **Graduate programme: Honors with major in French**

Successful Graduation of Third Batch of BS French: The summer 2019 witnessed yet another successful graduation of BS French program. The Department is proud to share



that we are receiving an overwhelming response towards this undergraduate program as the awareness and interest in French Studies is growing with each graduating batch. During the 2018-19 admission, in the 1st semester of BS French, there was record number of applicants in the undergraduate program and consequently all merit seats were filled.

The Department of French, being the oldest institution offering postgraduate degree courses in French Studies in Pakistan, besides only one more in federal capital, has the honour to train young students, and to offer professional expertise to the market and industry and hence participate in the social as well as economic development by producing Experts in French Studies, Translators and Interpreters, Teachers, Researchers, Educators, etc.

○ **Foreign academic linkages**

Continued affiliation with

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

○ **Honours and Awards**

- Dr. Saleha Nazeer and her Research team participated in 8th Invention to Innovation Summit 2019 – the only Department among non-science faculties, representing the faculty of Arts & Humanities
- The two innovative research projects presented at the Innovation Summit 2019 focused upon the Socio economic development in Pakistan through various products, trainings and courses related to French Studies. The Research projects and the Translation work were developed with a view to link academics in the field of French with the national and international market & Industry.
- Dr. Saleha Nazeer and her team won the Best Innovative Technology Award for presenting their project titled: “Creation of Multilingual tool for Social Awareness”. The winning project provides a directive thought to Researchers to guide them in planning their research according to it.

○ **Institutional linkages**

- Lahore College for Women University, Lahore.
- Kinnaird College University, Lahore.
- Government Postgraduate College for Women, Chuna Mundi, Lahore.
- Aitchison College
- SYCAS



Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

Telephone (s): 042-99233124, 99233125

Fax Number (s): 042-35952993

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

- **Undergraduate and Postgraduate Programmes**
 - M.Sc Gender Studies (2 years Master Program)
No. of seats: 50 (Morning and Replica Each)
Requirement: B.A/B.Sc/equivalent examination with 2nd Division.
 - BS (Hons) (4 Years Program)
Requirement: Intermediate or equivalent examinations (GCE, A level, ICS, I.Com)
No. of Seats: (50 Morning, 70 Self-Supporting)
- **MS and PhD Programmes**
 - Ph.D (Three years program)
No. seats: (10 Morning and 10 Self-Supporting)
Requirement: M.Phil/MS in Social Sciences
 - M.Phil Leading to Ph.D (2 years Program)
No. of Seats: (20 Morning and 20 Self Supporting)
Requirement: Master in Social Sciences
- **Academic Achievements**
 - Journal of Gender & Development
 - Students Magazine: Intellectual Youth
 - Newsletter: Zeal
- **Institutional Linkages**
 - Ministry of Women Development
 - Directorate of Women Development, Punjab
 - Women Empowerment Group

DEPARTMENT OF POLITICAL SCIENCE

Telephone (s): +92-42-99231229

Fax Number (s): +92-42-35838263

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

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



○ **MS and Ph.D. Programs**

- M.Phil. (Political Science) Regular & Self Supporting Program
- M.Phil. (International Relations) Regular & Self Supporting Program
- Ph.D. (Political Science) Regular & Self Supporting Program
- Ph.D. (International Relations) Regular & Self Supporting Program

DEPARTMENT OF SOCIAL WORK

Telephone (s): +92-42-99231553

Fax Number (s): +92-42-99230958

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

○ **Undergraduate and Postgraduate Programmes**

In the reporting period, the Department is offering BS (Hons.) 4 Years in Morning classes, M.Sc. Programme in Morning & Replica classes and MPhil and PhD Programmes in Regular classes. Department has linkages with the following organizations.

○ **Institutional Linkages**

- At national and international level:
 - Social Welfare & Bait-ul-Maal Department, Govt. of the Punjab
 - Child Protection & Welfare Bureau, Govt. of the Punjab
 - Ministry of Human Rights, Govt. of Pakistan
 - Special Education Department, Govt. of the Punjab
 - Directorate General of Labour Welfare, Govt. of the Punjab
 - Community World Services (CWS)
 - AGAHE
 - UNICEF
 - SPO (Strengthening Participatory Organization)

INSTITUTE OF COMMUNICATION STUDIES

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

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

○ **Undergraduate and Postgraduate Programmes**

- BS (4-Year) Program

The Institute offers BS (4 Years) Communication Studies as Regular and Replica/Self-Supporting program.

- 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:
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - Digital Media
- M.Sc Communication Studies (Development Journalism) Evening Program
- M.Sc Communication Studies (Film and TV Production) Evening Program
- **MS and PhD Programmes**
 - M. Phil Communication Studies (Research Track)
 - M. Phil Communication Studies (Professional Track)
 - Ph. D Communication Studies
- **Academic Achievements**

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

The students have won different honors and awards on documentaries etc.
- **Institutional Linkages**

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

INSTITUTE OF SOCIAL & CULTURAL STUDIES

Telephone (s): +92-42-99233126

Fax Number (s): +92-42-99232375

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)
 - M.Sc Sociology (Regular)
 - M.Sc Sociology (Replica/Self-Supporting)
 - M.Sc Development Studies (Regular)
 - M.Sc Development Studies (Replica/Self-Supporting)
 - M.Sc Population Sciences (MPS) (Replica/Self-Supporting)
 - M.Sc 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)
- **Academic Achievements**
Academic programs of Institute of Social & Cultural Studies are running smoothly.
- **Foreign Academic Linkages**
 - Linkages with Belfield University, Germany
 - Student Exchange with Erfurt, Germany.
 - Linkages with Leeds University, UK
- **Institutional Linkages**
 - National Centre for Resettlement and Rehabilitation in Collaboration with World Bank.
 - Establishment of Sughra Begum Center for Educational Policy & Development in collaboration with PEP Foundation in New York, USA.
 - Centre for Peace & Security Studies
 - Day Care Center with Collaboration of Women Development Department, Government of the Punjab.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

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

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

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

- **Undergraduate and Postgraduates Programmes**
 - Undergraduate Programs
 - BBA (Hons.) – Four Year Program in the Morning on Regular basis in the following disciplines:
(a) Banking & Finance (b) Insurance & Risk Management
 - BBA (2-Years) – Morning & Evening Programs. After 14 Years of Education.
 - Postgraduate Programs:
 - MBA Program 3.5 Years Regular Morning & Evening Program after 14 years of education in the following disciplines:
(a) Banking & Finance (b) Insurance & Risk Management
 - MBA (2-Years) – Morning & Evening Programs. After 16 Years of Education
- **Academic Achievements**
Our degree programs are tailored to meet needs of Banking, Insurance Industry and Corporate World. We have earned repute on account of performance of our students in the field of Banking, Finance, Insurance & Risk Management. Financial sector recognizes and acknowledges the potential, excellence, practical knowledge and professionalism of our



graduates. They are rendering services in Corporate Sector, Banks, Financial Institutions and Insurance Sector both at home and abroad. Our qualified students are also serving the Civil Services of Pakistan besides public sector entities including Excise & Taxation AG Office, Civil Secretariat, Police, Armed Forces and LDA etc.

○ **Foreign Academic Linkages**

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

○ **Institutional Linkages**

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

HAILEY COLLEGE OF COMMERCE

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

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

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

○ **Undergraduate and Postgraduate Programmes**

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

○ **MS and PhD Programmes**

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

○ **Academic Achievement**

NBEAC 2016-2018

○ **Institutional Linkages**

- With ACCA and Ora Tech established Negotiation with ICAP & ICMA
- SMEDA
- Executive youth Forum
- Federation of Pakistan chamber of commerce & Industry (FPCCI)



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 Programmes**

- Bachelor of Economics(Regular/Self-Supporting) is a four-year degree program that provides undergraduate training in both theoretical and applied aspects of modern economics. This program was initiated in 2017 to cater increasing demand of 4-years BS degree program in economics given that HEC has announced phasing out of conventional two year B.A. /B.Sc. program.
- M.Sc. Economics (Regular/Self-Supporting) is a two-year program that prepares students for advance studies in economics and disseminates comprehensive knowledge focused at applied and quantitative economics. The applied courses (that require research work) taught in this program distinguish it from M.A. (Economics) offered in other institutions.
- MBEcon (Self-Supporting) is a two-year program that aimed at producing entrepreneurial class that will help in promoting industrial growth of the economy. The participants of the program would be trained to work as professional economists, managers, financial analysts, bankers and business executives.
- M.Phil. Economics (Morning/Self-Supporting) is a two year program and its successful graduates have prosperous professional careers. Our students are not just competent in their core area of study but also able to ascertain and synthesize existing knowledge for undertaking empirical research on economic issues in an effective manner. During program they acquire a broad knowledge base aiming at bringing the students to global research frontier.
- Ph.D. Program: The most prestigious program of the department is Ph.D. (Economics). This program aims to fill the professional vacuum of social scientists in Pakistan as expatriation of economists and researchers is seen to catch up attractive jobs in foreign countries. Our Ph.D. program enables students for notable contributions in the field of economics and equips them with necessary empirical skills which are required for policy oriented research. The Ph.D. program emphasizes full time course work/research. Part-time course work or research is not permissible.
- Post Graduate Diploma in Applied Economics (PGDAE) is a rigorous one year evening program in Applied Economics. It is useful for those who could not continue their studies after graduation and now want to do M.Sc. Economics and MBEcon. The Department of Economics has proposed some additional benefits for Diploma holders in the form of special seats in M.Sc. Economics morning and replica programs, as well as, in MBEcon program.



○ **Foreign Academic Linkages**

Foreign academic linkages have become significant for institutions who think and act globally. In order to promote mobility of doctoral students with the purpose of strengthening scientific cooperation between their institutions, an agreement was made between Lille 1 University, France and University of the Punjab, Pakistan to prepare a co-supervised Ph.D. thesis in Economics of Mr. MaqsoodAslam (doctoral student). The expected duration of research work is from October 2016 – October 2019. The two thesis supervisors appointed to take part in the co-supervision of the thesis are:

- At Lille 1 University: Etienne FARVAQUE
- At University of the Punjab: Muhammad Azmat Hayat

It is pertinent to mention that Mr. MaqsoodAslam has successfully defended his Ph.D. thesis within the stipulated time period.

○ **Institutional Linkages**

Given the value of national collaboration in the academic and research area, department has agreed MOU with Centre of Excellence for CPEC, PIDE. This MOU will remain in force for a period of three years. The purpose of this Memorandum of Understanding (MOU) is to promote evidence-based research and policy in CPEC related policy issues. The methods of cooperation includes research and academic activities or programs such as:

- Joint CPEC related research collaborations and joint publications of research papers resulting from the collaboration within program cooperation.
- Exchange of Faculty/Researchers, trainees, students and staff as appropriate.
- Participation in, and co-hosting of lectures, meetings, seminars, symposia and conferences.
- Exchange of materials, publications and other information, within limits of legal rule and regulations.
- Invitation/participation by students/researchers in fully funded national and international conferences, seminars, events, etc.
- Joint application for funding for collaborative projects from relevant funding agencies.

DEPARTMENT OF INFORMATION MANAGEMENT

Telephone (s): +92-42-99231224

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

○ **Undergraduate and Postgraduate Programs**

There is a morning and a replica Masters in Information Management (MIM) programs. In 2019 forty students got their Master's degree.

○ **MS and PhD Programs**

The Department also offers M.Phil and PhD programs. Eleven students got their M.Phil and three students got Ph.D degree during the said period.



○ **Academic Achievements**

The department has successfully organized 2nd International Conference of Information Management and Libraries (ICIML), 9th-11th October, 2018 at PU. A large number of national and international delegates participated in the conference and presented their papers. The department produced eleven M.Phil and three Ph.D. scholars during the said period.

○ **Foreign Academic Linkages**

A memorandum of co-operation with Graduate School of Education, University at Buffalo (The State University of New York) was signed including exchange of academic staff members for the purpose of research, teaching and the presentation of special courses in their field of specializations; joint research programs, joint research project, exchange of scientific and educational literature and organization of conferences, seminars, workshops and symposiums.

○ **Honours and Awards**

Professor Kanwal Ameen was appointed as Vice Chancellor at University of Home Economics, Lahore w.e.f. 31-05-2019 for a period of four years.

Professor Khalid Mahmood was appointed as Professor of Information Management on Tenure Track w.e.f. 12-10-2019.

○ **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).

INSTITUTE OF ADMINISTRATIVE SCIENCES

Telephone (s): 92-42-99231164, 99231165

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

○ **Academic Activities**

Educational Programs at the Institute of Administrative Sciences are organized under the semester system. Learner centered teaching, quality research by faculty as well as by students, comprehensive examinations, a strong link with employers, all contribute to the quality of education at IAS. Students are also offered assistance in finding internship and jobs in addition to academic and career counseling, referrals & placement services, a well-equipped library and computer laboratory. IAS Library has 12 licenses of NVIVO software and has a separate lab for research program students. A distinct feature of the Institute is its competent and committed faculty comprising of over twenty two permanent members.

IAS is a modern, vibrant and innovative institute that offers a wide range of career oriented as well as socially required and globally relevant academic programs from BS in Management to PhD in Management. Our academic portfolio consists of the following programs:



- BS in Management (Human Resource Management, Marketing, Finance, Public Management & Supply Chain Management) - 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 Regular, Self Support and Executive/ Evening Program)
- Master of Science in Health Administration (offered as Executive/ Evening Program)
- Master of Public Administration (18 years of Education, offered as Regular and Executive/ Self Support Program)
- Master of Science in Human Resource Management Program (offered as Regular, Self Support & Executive/Evening Program)
- MPhil Management (Regular Program)
- PhD Administrative Sciences (Management) (Regular Program)

Our faculty and staff are ready to be partners in the process of learning and personal development of students in their studies and professional development. We are committed to providing rewarding educational experience which is the hallmark of our Institute. In the past few years, we have made major additions in our undergraduate and graduate degree programs – by introducing the element of research and practical assignments/ projects in almost all the courses offered. We have twenty journals and approximately thirty five thousand books of different authors and topics in the department library to facilitate students in their research. Our talented and dynamic faculty is better educated and trained to provide individual attention and a life changing development experience. Furthermore, we continue to work for the up gradation of our faculty by providing them research opportunities at various foreign universities and some of them are already in a process to earn doctorate from abroad which will further add to the knowledge base of the Institute and stimulate future research opportunities amongst the student body.

INSTITUTE OF BUSINESS ADMINISTRATION

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

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

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

○ Undergraduate and Postgraduate Programmes

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

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

○ MS and PhD Programmes

IBA offered M.Phil in Business Administration during the reporting period and there were 20 seats for this program. However, admissions in Ph.D in Business Administration Program were not offered during the reported period.



○ Academic Achievements

Institute of Business Administration (IBA) traces its history back to 1972 as a department. Later on, in 1987, the department was upgraded to the status of Institute. This was a great milestone in the history of the University, as IBA was the second institute in Pakistan where teaching of business administration was being offered. The Institute was shifted to its existing building in 1994. One year Post Graduate Diploma in Business Administration was started in 1992. To impart management education to in-service executives, MBA evening was started in 1995. In 2005, BBA (Hons) was also started for high-caliber under-graduate students who are both academically able and exhibit strong managerial potential. BBA (Hons) is offered on regular (morning) and self-support (afternoon) basis. In 2009, MBA (One and Half years) was also started for IBA-PU BBA (Hons) graduates and the program is offered on regular basis. Aimed at developing advanced competencies in theorizing and research, IBA started M.Phil in Business Administration and Ph.D in Business Administration programs in 2014. In order to cater to the growing needs of the corporate sector, IBA launched MBA 3.5 years self-supporting program (equivalent to MS/M.Phil degree) from session 2016 for candidates having 14 years educations. As per revised Business Education Roadmap of Higher Education Commission (HEC), Islamabad dated 28 March 2019, the different duration and resulting MBA degree titles will cease to exist from Fall semester 2019. Keeping in view of this, MBA 3.5 Years program has been ceased from Fall semester 2019 at this institute. Therefore, no admission has been made in MBA 3.5 Years at this institute during the reporting period. To-date, IBA has produced 51 M. Phil in Business Administration, 510 MBA (1.5) Years, 5140 MBAs, 1048 BBAs, 1260 PGDs and 9 ABMs and they are making valuable services at both national and international level. The detail is given as under:-

Sr. No.	Program	No. of Students		
		Previous	During reporting period	To-date
1	M. Phil in Business Administration	35	16	51
2	MBA 1.5 Years (Morning)	427	54	481
3	MBA 1.5 Years (Afternoon) (presently not offered)	29	-	29
4	MBA (Morning) (presently not offered)	2452	-	2452
5	MBA (Evening)	2597	91	2688
6	BBA Hons (Morning)	455	48	503
7	BBA Hons (Afternoon)	493	52	545
8	PGD (Evening)	1236	24	1260
9	ABM (Evening) (presently not offered)	9	-	9

▪ Number of permanent/contract faculty members

Sr. No.	Post	Nos.
1	Assistant Professor	11
2	Lecturer	4



○ **Institutional Linkages**

Expanding its endeavor to promote linkages, Institute of Business Administration (IBA) has entered into a strategic partnership with prestigious institutions, *Plan9*, *Bank Alfalah*, *Meezan Bank* and *M/s Roozi.com*. The purpose of these MOUs are to provide mentorship, trainings and to arrange workshops for them. The best part of these MOUs are all these services will provided at free of cost.

Memorandum of Understanding (MOU's) with Institute of Business Administration (IBA)

▪ *Plan 9*

In line with its commitment to excellence, IBA-PU has entered into a partnership with Plan 9 Technology Incubator.

The Plan 9 Network Partners envisions promoting entrepreneurship in Pakistan by collaborating with institutions and organizations that share the same vision. Plan 9 aims to replicate its model of business incubation that is considered credible globally. It will guide network partners in implementing the model.

▪ *Bank Alfalah*

The agreement comes as an extension of Bank Alfalah's recent endeavor for strengthening industry and academia by promoting mutual cooperation for creating and imparting relevant, effective and new forms of knowledge and expertise.

▪ *Meezan Bank*

MOU is hereby made and entered into by and between Meezan Bank, a banking company established and existing under the laws of Pakistan and Institute of Business Administration, University of the Punjab. The parties here to be desirous of working together to develop and expand a framework of learning partnership between Meezan Bank and (IBA-PU) to establish and implement joint efforts to bridge the gap between industry and academia.

▪ *IBA Job Rozee Portal*

IBA made an agreement with M/s Rozee for development of IBA Job Rozee Portal. IBA Job Rozee Portal is now opened for the students of IBA. This is a great opportunity for placement opportunities for IBA students.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

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

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

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

○ **Undergraduate and Postgraduate Programmes**

The Institute is running two programs BBIT (Hons.) and MBIT (via BBIT). BBIT and MBIT both are intradisciplinary programs of Business and Information Technology.



The details of degree programs are given below:

- BBIT (Hons.) degree is a Four (04) Year Full Time program, consists of 130 credit hours, which is conducted through Eight (08) Semesters. Three Specializations i.e. Finance, Marketing, and Information Technology, are offered to the enrolled students in 5th semester.

TO be eligible for BBIT(Hons.) a candidate must have passed Intermediate preferably in Science/ICS/Commerce discipline with at least 60% obtained marks.

- MBIT (via BBIT) degree is one-and-a-half-year Full Time Study with Research program consists of 36 credit hours out of which 6 credit hours are for Thesis. This degree is equivalent to MS/MPhil according to the HEC roadmap.

To be eligible for the MBIT (via BBIT) program, a candidate must have BBIT (Hons.) degree from BBIT.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Telephone (s): +92-42-99230211

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

○ **Undergraduate and Postgraduate Programmes**

Master in Special Education

○ **MS and PhD Programmes**

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

○ **Institutional Links**

The department is linked with Directorate of Special Education, Punjab, 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 for the Deaf, Allama Iqbal Centre for Girls with Blindness and Punjab Public Service Commission.

INSTITUTE OF EDUCATION AND RESEARCH

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

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

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

○ **Undergraduate and Postgraduate Programmes**

- M.A. Education Elementary (2 years)
- M.A. Education Secondary (2 years)



- M. A. Education Islamic (2 years)
- M. A. Early Childhood Education (2 years)
- M.A. English Language Teaching & Linguistics (2 years)
- Master of Business Education (M.B.E) (2 years)
- Master of Science Education (M.S.Ed.) (2 years)
- Master of Technology Education (M.T.E.) (2 years)
- Master of Educational Research & Assessment (2 years)
- Master of Education (M.Ed. Secondary) (Regular) (1 year)
- Master of Education (M.Ed. Secondary) (Evening) (1 year)
- B.Ed. (Hons) Elementary (4 years)
- B.S.Ed (Hons) (4 years)
- B.Ed (1.5 years)

○ **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 01-10-2018 to 30-09-2019. During this period 768 students were enrolled in Bachelor degree programmes, 1175 students were enrolled in all master degree programs and 370 students in M.Phil and in Ph.D 33. During this period 815 completed their Master Degrees, 85 M.Phil and 7 students were awarded Ph.D Degree. In this period 775 books and 9 Foreign Research Journals were added in the library. There are total 45 faculty members teaching in the IER.

○ **Foreign Academic Linkages**

Signing of MOU with Foreign University

Institute of Education and Research has signed MOU with Jiangxi University of Science and Technology (JXUST), China to start jointly a Bachelor Teaching Chinese to Speakers of other Languages (BTC SOL) of 1.5 year duration. Admitted students of this degree programme will complete two semesters at IER, University of the Punjab and one semester at JXUST University China. Negotiations are under way and will complete in near future. For this purposes Department of Chinese Language Teaching at IER is proposed to run the affairs of this degree programme.



Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

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

Fax Number (s): +92-42-99233109

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

○ **Postgraduate Programmes**

M. Sc. Coal Technology (Regular Morning Programme)

○ **MS and Ph. D. Programmes**

M.Phil Coal Technology (Self-supporting Evening Programme)

M.Sc. (Engg.) Energy & Environmental Engineering (Self-Supporting Evening Programme)

○ **Honours and Awards**

Invention to innovation summit 2019

- Ms. Asifa Iqbal, Runner up cash award for Technology (Poster)
- Ms. Azka Abdur Rehman, Technology award

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99230807

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

○ **Undergraduate and Postgraduate Programmes**

Department of Polymer Engineering and Technology is on way for startup of B.Sc Polymer Engineering 4 years regular degree program and specializations as well in the coming year. Faculty has started initial working in this perspective to design course work outlines. Courses work and laboratories experiments designing are in process of finalization as per rules and regulations of Higher Education Commission (HEC) and Punjab University. Working for zero visit of Pakistan Engineering Council (PEC) is also started in terms of adjustment of labs and course work to get accreditation for B.Sc Programs.

○ **MS and Ph.D Programme**

M.Phil Polymer Technology (Self Supporting Evening Degree Programme 2 years)

- Polymer Engineering is the study of synthesis, structure, processing, properties and application of Polymers products. Polymers are the basis of materials including plastics, fibers, textiles, rubber, films, paints, membranes, composites, biomaterials and adhesives etc. We have already established some facilities comprising a number of research equipment for Polymers research and development. These facilities are engaged in activities ranging from development of advanced materials and their characterization and finally their product development. Based on these facilities, Department is working with two advance degree programs of M.Phil and Ph.D in Polymer Technology.



- The primary objective of M.Phil Polymer Technology Program bring students of different domains under one umbrella and to provide them with basic and advance knowledge of Polymer Engineering and Technology. Course work is exclusively designed in order to provide students with maximum knowledge of all working industries in the world and especially of Pakistan. One year course work comprising of two semesters provide and insight of polymer synthesis, characterization, production and processing of all common and specialized polymer industries. One-year research work comprised of two semesters allow students to work on specialized topics in the polymer field to implement the previous theoretical knowledge in practical form.
- Our running M.Phil Programme strictly followed the semester rules and regulations. On the basis of following activities during 2018-19 we are able to complete our semesters in time and results have also been announced on proper timings. The salient features on which department is working include regular lectures, labs with demonstrations as well as hands on experience of important instruments, in time mid-term and final term papers, quizzes, presentations during the classes on exclusive topics related to the subject, research thesis, research motivation, knowledge of state of art of modern research equipments and publications in international high impact factor journals

Ph.D Polymer Technology (Morning Regular Programme)

The core objective of Ph.D Polymer Technology Program is to enhance the research capabilities of students and professional of different areas by working on exclusive real time research projects. Specially designed course work provide them with advance knowledge of Polymer Engineering and Technology, synthesis and testing. One year course work comprising of two semesters provide advance understanding of polymer synthesis, rheology, characterization, separation and processing of all common and specialized polymers. Three to five years research plan allow students to work on specialized topics in the polymer field to implement the previous theoretical knowledge in practical form. Publications in high impact factor journals is the mandatory feature of Ph.D program and is being strictly implemented.

- One year (Two semester) exclusive course work of advance levels
- Regular classes Lectures
- Mid-term and final term papers
- Quizzes
- Regular presentations during the classes on exclusive topics related to the subject
- Knowledge of state of the art research equipments
- Proper presentations and defense of synopsis
- Approval of synopsis from Departmental Doctoral Program Coordination Committee (DDPC)
- Approval of synopsis from Advance Study and Research Board (ASRB) University of the Punjab



- Startup of research work with regular reporting of the student to the supervisor
- Seminars on research topics
- Full time research work on projects of applied nature

○ **Academic Achievements**

- In 2018-19 department successfully continued M.Phil Polymer Technology Program. Viva and exams of Session 2017-2019 were conducted in time and their results are also notified. Next subsequent session of 2018-2020 is in research phase. Students are working on their research topics.
- In 2018-2019, Ph.D Polymer Technology students progresses and in time course work is completed of session.
- 20 research paper are published in 2018-19 by faculty member and students.
- Approximately 03 projects are approved for research and development of department in which students are also involved for working and learning research activities.
- Research thesis of students are continued and monitored exclusively.
- Constituted DDPC played active role during the year 2018-19 for its functioning especially regarding Ph.D working. A number of meetings of DDPC were arranged and sample draft for Ph.D synopsis is finalized.
- On the basis of active DDPC working students finalized their synopsis after giving proper defense in DDPC meeting in front of whole faculty
- These synopses after corrections and recommendations of DDPC were then forwarded to Doctoral Program Coordination Committee (DPPC) and later on for Advance Study and Research Board (ASRB) of University of the Punjab for final approval of supervisors and topic.
- As a result, 14 synopses have been approved in ASRB during the year 2018-19s and now students are continuing their work on their respective research topics.
- Strong efforts are made in adopting and developing new technology for teaching, experimentation and research like use of research software and use of multiple digital analytical techniques for analysis.
- Awareness was created amongst the student for advanced characterization techniques and use of high class research instruments which is the hour the need for high class research.
- By adopting new methods and advanced working modes by the teachers; capabilities of students for polymer/material synthesis and characterization has been raised.
- In addition to the regular classes, additional lectures are given for conduction of research and training is provided to work independently as well as with other in multidisciplinary teams.

○ **Foreign Academic Linkages**

Foreign Academic Linkages has been initiated with foreign universities as listed below:

- Changsha University of Science and Technology China
- Hunan University China



- University of North Carolina USA Textile Engineering Bio Textiles
 - School of Textile Engineering, Donghua University, Shanghai, China.
 - Department of Agricultural, Food & Nutritional Science University of Alberta Canada
 - James Graham Brown Cancer Center, University of Louisville, Kentucky USA.
 - WR Grace, Cytec and Mallard Creek polymers and The Lewis Chemical Company. USA
- **Honours and Awards**
- Won Punjab University Cash Award for Technology (POSTER) cash prize of Rs. 10,000/- in 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018
- Won Chemistry Technology Award of cash prize of Rs. 20,000/- in 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018
 - Won Technology Award for Super Absorbent Hydrogels for anti-desertification Applications in 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018
 - Won Technology Award for Development of Woven Fabric for Medical Textile in 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018
 - Won Technology award for Chitosan / PVA blended membranes for RO performance crosslinked with TEOS in 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018
 - Won Best Poster Award for Synthesis of Biopolymer based Crosslinked Biodegradable Thin Films for Packaging Application using Mint and Grapefruit Peel Extraction 7th Invention to Innovation Summit 2018 Punjab University Lahore. March 06-07 2018.
- **Institutional Linkages (National Level)**
- **Universities and R&D Organizations**
Department already working with a number of institutions. These link ages are even made stronger by executing joint research activities with other universities and department. List is as follows:
 - Institute of Chemistry PU Lahore
 - Government College University (GCU), Lahore
 - Government College University (GCU), Faisalabad
 - National University of Science and Technology (NUST), Islamabad
 - Quaid-e-Azam University, Islamabad
 - Centre for Solid State Physics PU, Lahore
 - Demont Montessori College of Dentistry, Lahore
 - Bahaudin Zakria University (BZU), Multan
 - University of Engineering & Technology (UET), Lahore
 - IRCBM Comsats Lahore
 - **Industries**
Polymer Engineering and Technology is one of the strongest areas in which world is progressing. Therefore, there is immense need to hook up with national and international industries in order to get real time projects in this particular area. Since day one



department of Polymer Engineering and Technology is working hard to establish strong practical and professional relations with the industries. These efforts brought a number of industries on plate form of Polymer Engineering Department is working in coordination for product development and solution provision. In 2018-2019 these research collaborations are even made stronger with a number of industries as under:

- Marjan Polymer Industries Lahore
- Anwar Khawaja Industries Sialkot
- Chawla group of industries

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

Telephone (s): +92-42- 99231094

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

○ **Undergraduate and Postgraduate Programmes**

During 2018-19 academic period, the Department of Metallurgy & Materials Engineering enrolled 43 and 49 students in B.Sc.(Engg.) Metallurgy & Materials Engineering Regular and Self-Supporting Programmes, respectively.

○ **MS and PhD Programmes**

During 2018-19 academic period, the Department of Metallurgy & Materials Engineering enrolled 11 students M.Sc. (Engg.) Metallurgy & Materials Engineering program and no student in Ph.D. (Engg.) Metallurgy & Materials Engineering program.

○ **Institutional Linkages**

- University of Engineering and Technology (UET), Lahore
- Institute of Chemical Engineering and Technology, University of the Punjab Lahore
- Solid State Physics, University of the Punjab, Lahore
- Forman Christian College, Lahore
- Government College University, Lahore

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

Telephone (s): +92-42-99230570, 99230571

Fax Number (s): 042-99230569

E-Mail Address (s): chairman.tet@pu.edu.pk

○ **Academic Achievements**

Textile Engineering is a multidisciplinary field that enables us to develop conventional and functional textiles including the development of fibrous and non-fibrous structures, technical textiles and monolithic and composite materials for packaging, medical, military, automotive, industrial and fashion applications. The Department of Textile Engineering & Technology has well designed and updated curriculum to impart and upgrade the skills of textile technologists and thus enhancing the quality of the textile which will eventually contribute in national income. A sophisticated series of diploma courses followed by BSc



Textile Engineering and M.Sc. Textiles Engineering prepared by well qualified textile engineering faculty members are approved by the Punjab University academic committees and NOC from HEC are request to initiate the degree programs.

The Department of Textile Engineering and Technology organize trainings and workshops regularly to keep the textile industry professional updated with latest technologies and innovation in the field of textiles. This exercise has enabled the Textile engineering Department to establish useful academia-industrial liaison for possible research collaborations. Such collaborations are highly appreciated as it addresses the technical problems in industries.

The leadership at the Department of Textile Engineering and Technology is striving to provide excellent learning, research and co-curriculum opportunities. The currently on leave faculty members are trying hard to complete higher education as early as possible to become a part of the department and provide productive environment for students.

○ **Foreign Academic 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) has been established.

○ **Institutional Linkages**

- A Memorandum of Understanding (MoU) is signed between the University and Textile Testing International (TTI) on 13.10.2010 to date.
- A Memorandum of Understanding MOU is being prepared to be signed between Department of Engineering and Technology and Donghua University, Shanghai, China.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99231160

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

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

○ **Undergraduate and Postgraduate Programmes**

The Institute of Chemical Engineering and Technology is a pioneer Institute in the field of chemical engineering and provides broad-based Chemical Engineering programs resulting in B.Sc. Engineering, M.S. Engineering, and PhD degrees. The undergraduate and post graduate programs at the Institute prepare students for profession in chemical engineering-an exciting and challenging profession that combines the principles of the physical and chemical sciences with the discipline of engineering to solve technological problems using modern tools and provide effective service to society. Institute also contributes towards continual professional development of its graduates for which Continual Professional Development Cell (CPDC) is established. The role of CPDC is to develop competence and ability of engineers for the application of theoretical knowledge to practical situations and



to evolve innovative solutions to real life problems while adhering to professional ethics and acquisition of a broader understating of their obligations to society. The graduate engineers participate in the continual development of new processes and new products that form the basis of much of the manufacturing segment of the global economy.

○ **MS and PhD Programmes**

Post graduate programs of M.Sc. and PhD Chemical Engineering provides opportunity for graduates for world-class research in renewable energy, co-combustion of coal and biomass, biodiesel, catalysis, polymers, rheology, material sciences, fluid dynamics, membrane technology, reaction engineering and filtration. Our laboratory facilities support innovative experimental work and are in line with industrial applications.

The following postgraduate courses are being offered at the Institute.

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

○ **Academic Achievements**

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

The institute is home for more than thirty faculty members and approximately five hundred students. 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 3rd International Conference on Engineering Sciences on December, 2017 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.

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**

Few MOUs have been signed with different universities at university level, an MOU had been signed with Universiti Teknologi Petronas and Institute of Chemical Engineering and Technology. Under this MOU sixteen students of this Department have completed their internships at Universiti Teknologi Petronas in August 2019.

○ **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.

○ **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. Several meetings have done with Qarshi Foundation to establish an Alumni welfare fund of worth Rupees 10 Million.

An MOU is being prepared to be signed between Institute of Chemical Engineering and Technology and Brighto Paints.

DEPARTMENT OF ELECTRICAL ENGINEERING

Telephone (s): +92-42-99231149

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

○ **Undergraduate and Postgraduate Programmes**

B.Sc. Electrical Engineering

○ **Foreign Academic Linkages**

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



INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

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

Fax number (s): +92-42 99231159

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

○ **Undergraduate and Postgraduate Programmes**

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

○ **MS and PhD Programmes**

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

SKILL DEVELOPMENT CENTRE

Telephone (s): +92-42-99230083

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

○ **Academic Program (Short Courses)**

Lean Six Sigma (Green & Black Belt), Certified Project Management Professional, Certified HR Professional, Certified Quality Professional, Certified Health & Safety Professional, Enterprise Resource Planning (Supply Chain, Accounting, Finance & HR), Business Accounting Software (Peachtree, QuickBooks, Tally), Auto CAD, Programming (Visual Basic, Asp. Net, Java, Android and Mobile Applications) Social Media Marketing, Search Engine Optimization (SEO), Tax Management (Income Tax & Sales Tax), Introduction to Psychology 3D Game Designing, Public Relation (PR) & Event Planning, Advertising & Brand Management, Nutrition & Fitness, CV Cover Letter Writing & Job Interviews (2 Days Workshop), Data Base (Oracle, SQL, Server), CSS Writing Skills, Personality Grooming, Spoken English Level-1, Spoken English Level-2, English Writing, Academic Writing, The Grammar Guru Course, IELTS (Preparation), Microsoft Office Management, Graphic Designing, Web Designing & Development, Fashion Designing, Interior Designing, Data Analysis by using SPSS, Professional Photography, Strategic Management, Goal Setting & Planning, Time Management & Decision Making, Developing Future Leaders and Web Engineering.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

Telephone (s): +92-42-99231232

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

○ **Postgraduate Programmes**

- BS Islamic Studies Specialization in Study of World Religion (Self-Supporting) Program



- M.A Islamic Studies (Morning) Program
- M.A Islamic Studies (Self-Supporting, Evening) Program
- **M.Phil and PhD Programmes**
 - M.Phil Islamic Studies (Morning) Program
 - M.Phil Islamic Studies Specialization in Islamic Economics (Self-Supporting) Program
 - M.Phil Islamic Studies Specialization in Study of World Religion (Self-Supporting) Program
 - Ph.D. Islamic Studies (Regular Program)
- **Academic Achievements**

The Institute of Islamic Studies is successfully running BS, M.A., M.Phil. and PhD degree programs in the disciplines of Islamic Studies, IIS has enrolment of about 207 Students in various disciplines during the stipulated period. Moreover, IIS has produced 10 PhD, 95 M.Phil. and 145 M.A during the academic session 2018-2019. In addition to that the faculty members of the IIS have published 36 research publications in the national / international journals / conferences and book chapters during the academic year 2018-2019.
- **Institutional Linkages**

Leeds University, U.K. (Initial Process started to get signed MOU)

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 (3 year program)
 - BS Islamic Studies (4 Years Programme)
 - M.A. Islamic Studies
- **MS and PhD Programmes**
 - M.Phil. Islamic Studies
 - Ph.D. Islamic Studies
- **Academic Achievements**

B.A. (Hon.) Islamic Studies (3 year program)

 - Sheikh Zayed Islamic Centre was started the academic activities in 1990. Initially the degree was called B.A. (Hons.) in Islamic Studies and Arabic with Computer Sciences. Duration of this degree was three years.
 - Total number of students who successfully completed the B.A. (Hons.) 3 year program and awarded them B.A. (Hons.) degree were 354.



BS Islamic Studies (4 Years Programme)

- On the direction of Higher Education Commission, the Centre started 4 years program i.e. BS Islamic Studies instead of 3 years B.A. (Hons.) degree. This degree is equivalent to M.A. Islamic Studies. Session wise detail is given below:
- Total number of students who successfully completed the BS Islamic Studies to 2019 is 929. At present 368 students are enrolled in different semesters of BS Islamic Studies.

M.A. Islamic Studies

- Sheikh Zayed Islamic Centre started M.A. Islamic Studies (one year program) in 1998 only for those students who have completed 3 Years B.A. (Hons.) in Islamic Studies.
- Total number of students who successfully completed the M.A. Islamic Studies (1 year program) is 213 since the establishment of the Centre. This program ended up in 2003.

M.Phil. Islamic Studies

- Sheikh Zayed Islamic Centre started M. Phil. Islamic Studies (two years program) in 1998. 20 students were admitted in the first batch. This program is successfully running by the Centre.
- Total number of students who successfully completed the M.Phil. Islamic Studies (2 years program) is 286 since the establishment of the Centre. At present 28 students are enrolled in class work and 44 students are working on their research dissertations.

Ph.D. Islamic Studies

- Sheikh Zayed Islamic Centre started Ph.D. Islamic Studies (five years program) in 2001. 11 students were admitted in the first year. This programme is successfully running by the Centre.
- Total number of students who successfully completed the Ph.D. Islamic Studies is 74 since the establishment of the Centre. At present 56 students are working on their
- research dissertations.

Diploma in Arabic Language

- Sheikh Zayed Islamic Centre started Arabic Diploma Language (One year Program) in 1999. Total number of students who successfully completed Diploma in Arabic Language is 80 since the establishment of the Centre.

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

○ **Undergraduate and Postgraduate Programmes**

- LL.B. 03 Years Program
- LL.B 05 Years Program



- D.T.L
- D.L.L
- D.I.P.L
- D.E.L
- D.B.L
- D.I.T.L
- DCLP
- D.F.S.L.
- LL.M
- Ph.D
- **MS and Ph.D Programmes:** Yes
- **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): +92-42-99230533, 99231145

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

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

- **Undergraduate and Postgraduate Programme**
 - BS (4 Years) in Clinical Psychology
 - Advanced Diploma in Clinical Psychology (Morning & Replica)
- **MS & Ph.D. Programmes**
 - Ph.D. in Clinical Psychology
 - MS in Clinical Psychology
 - MS in Clinical Psychology (Top Up)
 - MS in Speech Language Pathology
- **Academic Achievements**
 - BS (4 Years) in Clinical Psychology: 24 students completed their degree
 - Advanced Diploma in Clinical Psychology: 16 students completed their diploma
 - MS Programme in Clinical Psychology: 32 students completed their degree
 - MS Programme in Clinical Psychology (Top Up): 6 students completed their degree
 - MS Programme in Speech Language Pathology: 20 students completed their degree
 - Ph.D. in Clinical Psychology: 01 student completed her degree



○ **Foreign Academic Linkages**

- Leeds Institute of Health Sciences Leeds
United Kingdom, UK.
- School of Psychology
Australian Catholic University, Melbourne, Australia.

○ **Institutional Linkages**

Professional linkages with the following psychiatric services providing institutes are well established 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.
- General 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.
- Turning Point, Lahore.
- Fountain House, Lahore.
- Fatima Memorial Hospital, Lahore.
- The Punjab Safe Cities Authority

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Telephone (s): +92-42-35293127

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

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

○ **MS and Ph.D Programmes**

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

○ **Academic Achievements**

Forty M.Phil and thirteen Ph.D degrees were awarded to research scholars. At present, forty faculty members are engaged in teaching and research activities. At present there are ninety-four M.Phil, and one hundred & one Ph.D students in the Centre.

○ **Foreign Academic Linkages**

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



○ **Honours and Awards**

- Won a Technology Award and Poster Presentation Award at 4th Invention to Innovation Summit 2018 held on November 22-23, 2018 at CECOS University of IT & Emerging Sciences, Peshawar.
- Post-Doc Fellowship Awarded to Dr. Abdul Qayyum Rao by Alexander von Humboldt Foundation; Botanische Institute-II, Karlsruhe Institute of Technology (KIT), Germany.
- IRSIP-HEC training program awarded to Zahida Qamar at Department of Cell and Systems Biology, University of Toronto, Canada.
- IRSIP-HEC training program awarded to Ms Fatima Batool at Faculty of Life Science University of Manchester, UK.
- Ms. Aneela Yasmeen, Lecturer and Ph.D Research Scholar joined “Mevlana Exchange Program” at Department of Agriculture Genetic Engineering, Nigde Omer Halisdemir University, Turkey Post-Doc Scholarship awarded to Dr. Samia Afzal by Universite Joseph Fourier, Institut Albert Bonniot Centre de Recherche INSERM-UJF U82, France.
- IRSIP HEC training program awarded to Muhammad Shahid, Department of Gastroenterology, Erasmus Medical College, Netherlands.
- Awarded ICRA Asia Young Innovation Medal 2018
- SATHA Award for development of multigene cotton 2018
- SATHA Award for CKC1 2019
- 7th Invention to Innovation Summit award held at University of the Punjab, Lahore (7-8 March, 2018)
- 8th Invention to Innovation Summit award held at CEMB, University of the Punjab, Lahore (2-3 April, 2019)
- Satha Innovation Award 2019.
- Ayesha Latif awarded Six months training (IRSIP) from University of Adelaide, Cell Wall lab Australia

○ **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
- Government College University, Faisalababd
- Hazara Univeristy, Mansehra

DEPARTMENT OF BOTANY

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○ **Undergraduate and Postgraduate Programmes**

At undergraduate and postgraduate level, the Department offers 4 years BS Botany and two years M. Sc. Botany degree programs. During the academic session 2018-19, 45 students were enrolled in BS Botany and 47 in M. Sc. Botany and 52 were enrolled in self-supporting program. All programs are being run under semester system.

○ **MS and PhD Programmes**

The Department offer the Postgraduate MS & M.Phil. Botany (2-years) Regular and self-supporting programs. There are 15 seats each for MS & M.Phil. Regular programs and 30 seats each for self-supporting programs. The Department also runs the Ph.D. Regular and non-regular programs. All programs are run under Semester systems.

○ **Academic Achievements**

The following session were completed during the said period:

Program	Session	No. of students appeared	Passed out
BS	2015-19	20	20
M.Sc.	2017-19	82	82
MS	2017-19	45	45
M.Phil.	2017-19	35	35

Degrees have been awarded to three Ph.D., eighty MS/M. Phil, thirty-four M.Sc. and twenty BS students. Nineteen faculty members are engaged in research and teaching activities.



The following PhD students availed IRSP from HEC during this period:

Sr. No	Name of Scholar	Duration	Place
1.	Hadia e Fatima	May 2018 - September 2019	University of Montreal Canada
2.	Farah Kousar	April – September 2019	Umea Plant Science Centre, Sweden
3.	Shabana	June 2018 – August 2019	National University Australia

○ **Foreign Academic Linkages**

Prof. Dr. Firdaus-e-Bareen

- Dr. Janice Thies , Cornell University, Ithaca NY USA
- Prof. Dr. Sergio Capareda, Texas A & M University TX USA

Prof. Dr. Muhammad Saleem

- 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

Prof. Dr. Abdul Nasir Khalid

- Dr. Zhu Liang Yang, Professor, Kunming Institute of Botany, The Chinese Academy of Sciences Heilontan, Kunming 650204, Yunnan, China
- Thorsten Lumbsch, Vice President, Science and Education; Curator, The Field Museum (Lichenized Fungi), Director of the Integrative Research Center Chicago, United States
- Dr. M. Catherine Aime, Professor and Director of the Purdue Herbaria , Department of Botany and Plant Pathology, Purdue University, West Lafayette, Indiana, <http://aimelab.wix.com/aimelab>
- Professor Donald H. Pfister, Asa Gray Professor of Systematic Botany, Curator of the Farlow Library and Herbarium, Department of organismic and evolutionary biology Harvard University
- Donald H. Pfister, Department of Organismic and Evolutionary Biology, Harvard University, MA, USA

Dr. Aisha Nazir

- Cornell Waste Management Institute, Ithaca NY USA
- Soil and Crop Sciences Section, School of Integrative Plant Science, Cornell University NY USA

Dr. Muhammad Shafiq

- United States Composting Council, Raleigh, NC USA
- Cornell Waste Management Institute, Ithaca NY USA
- Department of Natural Resources, Cornell University, Ithaca NY USA
- Soil and Crop Sciences Section, School of Integrative Plant Science, Cornell University NY USA
- Cornell Cooperative Extension of Tompkins County (CCE-Tompkins), Ithaca NY USA
- United States Biochar Initiative, Portland, OR USA



- Advanced Algal Systems, The Bioenergy Technologies Office, Office of Energy Efficiency and Renewable Energy, US Energy Department, Washington DC, USA
- International Rice Research Institute (IRRI), Los Banos Philippines
- Plant Biology Division, Department of Botany, University of Philippines, Los Bano, Philippines

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

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○ **Undergraduate and Postgraduate Programmes**

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

	Male	Female	Total
BS Session (2015-19)	03	24	27
BS Session (2016-20)	03	32	35
BS Session (2017-21)	04	29	33
BS Session (2018-22)	05	39	44
M.Sc (Session 2017-19)	01	35	36
M.Sc (Session 2018-20)	01	31	32
M.Sc (Session 2019-21)	04	28	32
Total			239

○ **MS/M.Phil & Ph.D Programmes**

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

	Male	Female	Total
MS Session (2017-19)	02	13	15
MS Session (Fall 2018-20)	12	19	31
MS Session (Spring 2018-20)	09	06	15
MS Session (2019-21)	05	21	26
MPhil Session (2017-19)	00	15	15
M.Phil Session (Fall 2018-20)	02	23	25
M.Phil Session (Spring 2018-20)	02	13	15
M.Phil Session (2019-21)	05	17	22
Ph.D (Spring Session 2018-23)	04	07	11
Ph.D (Fall Session 2018-23)	00	07	07
Ph.D (Fall Session 2019-24)	05	07	12
Total			194

○ **Academic Achievement**

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

Class	Male	Female	Total
BS Session (2014-18)	03	23	26
M.Sc Session (2016-18)	00	35	35
Total			61



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

Class	Male	Female	Total
MS Session (2017-19)	01	12	13
MPhil Session (2017-19)	00	14	14
Ph.D Session (2018)	06	05	11
Total			38

○ **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.
- Research Collaboration between: Institute of Medicinal Biotechnology (IMB), Peking Union Medical College (PUMC), Chinese Academy of Medical Sciences (CAMS) Beijing, China and the Department of Microbiology and Molecular Genetics (MMG), University of the Punjab, Lahore, Pakistan. (Collaborative research project under “Belt and Road Initiative”).
- Research Collaboration between Center for Pharmaceutical Research and Innovation (CPRI), College of Pharmacy, University of Kentucky, Lexington, USA, and the Department of Microbiology and Molecular Genetics (MMG), University of the Punjab, Lahore, Pakistan.

○ **Honours and awards**

- Dr. NousheenZehra Zaidi- Received Research Fellowship from Humboldt Foundation.
- Dr. Imran Sajid was awarded Fulbright Postdoctoral Fellowship, under US Fulbright Scholars Program, 2018-2019.
- Dr. ShafiqurRehman was awarded Qaid-e-Azam Gold medal from Tehreek-e- istehkam-e-Pakistan, on 14th August 2019.
- 3rd Prize on Research Poster Presentation. Abdul Hannan and Namrah Imran, Saba Riaz, 2018. Infection in patients with diabetes mellitus. The Family and diabetes organized by Department of Microbiology and Molecular Genetics and association of family physicians Pakistan, November 14, 2018
- Dr. RidaBatoool won best poster award entitled “Isolation and characterization of Cr(VI) resistant bacteria from tannery effluent” by Aroona Ejaz, AsmaKalsoom and RidaBatoool in 2nd International Conference on Plant Sciences (ICPS-2018) organized by Department of Botany, Government College University, Lahore from December 05-07, 2018.
- Dr. Saira Malik Won scholarship to visit Summer Camp 2019 in China, from Confucius Institute, University of the Punjab and Hanban China
- Dr. Saira Malik Won second prize of merit scholarship (Chinese language) from Confucius Institute, University of the Punjab, Lahore



- Dr. Saira Malik Passed HSK Level 1 (official) securing 100% marks and HSK Level 2 (official) securing 88% marks
- Dr. Nageen Hussain won best Poster technology award on the “Development of Rapid strip assay for the diagnosis of Dengue, Typhoid and Malaria” in a 7th Innovation Summit at PU-LHR from 7-8 March, 2018.
- Dr. Nageen Hussain won second best poster award presented in the Short Course on Cancer Biology, 12-14 Feb, 2019 at Al-Razi Hall-PU organized by MMG Dept. and Hormone lab.
- Dr. Nageen Hussain awarded appreciation certificate as a Keynote speaker in Faculty development program: Ethical consideration in laboratories at UCP from 03-07 September, 2018.
- Dr. Samreen Riaz was awarded the Best poster prize and appreciation certificate as Co-chairperson and Focal person from the University of the Punjab, Lahore in the 29th International Conference and workshops of family medicine organised by PAFP familycon 2019 in PC hotel Lahore from 28-31st March 2019.
- Dr. Samreen Riaz was awarded appreciation Certificate for presented posters, stall and give lecture in the 8th Innovation Summit organised by ORIC University of the Punjab, Lahore on 2-3 April 2019.
- Dr. Samreen Riaz was awarded appreciation Certificate and invited as resource and Focal person in two days Interactive workshop on New trends in Protein Analysis in Centre of Undergraduate Studies University of the Punjab Lahore on April 24-25th 2019.
- Dr. Samreen Riaz was awarded appreciation Certificate and invited speaker as resource and Focal person to train life sciences faculty as resource focal person in the Faculty development Programme in the University of Central Punjab (UCP) Lahore in Life sciences faculty on 17-18 September 2019.

○ **Institutional Linkages**

- International
 - Dr Wayne Carter, Associate Professor, Faculty of Medicine & Health Sciences, Nottingham University, UK
 - Dr. Elek Molnar, Professor of Neuroscience, International Director, Faculty of Life Sciences, School of Physiology, Pharmacology and Neuroscience, University of Bristol, UK
 - Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA.
 - Prof. Dr Peter Lindblad, Department of Chemistry Angstrom –Microbial Chemistry, Uppsala University, Sweden.
 - Prof. Dr. Chenghang Sun, Institute of Medicinal Biotechnology, Peking Union Medical College, Chinese Academy of Medical Sciences, Beijing, China.
 - Prof. Dr. Jon S. Thorson, Center for Pharmaceutical Research and Innovation (CPRI), College of Pharmacy, University of Kentucky, Lexington, USA.



- Prof. Dr. Yuanda Song, Colin Ratledge Center for Microbial Lipids, School of Agriculture Engineering and Food Science, Shandong University of Technology, Zibo, Shandong, China
- Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia
- National
 - The women University Multan, Multan
 - The University of Lahore (UOL).
 - University of Health Sciences, Lahore
 - University of Veterinary and Animal Sciences, Lahore.
 - Lahore College for Women University
 - Forman Christian College University Lahore
 - University of Central Punjab (UCP), Lahore.
 - COMSATS University Islamabad, Abbottabad Campus
 - Allama Iqbal Medical College, Jinnah Hospital Lahore
 - Citilab and Research Centre Lahore
 - Gulab Devi Chest Hospital

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

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○ **Undergraduate and Post Graduate Programmes**

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

DEPARTMENT OF ZOOLOGY

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

○ **Undergraduate and Postgraduate Programmes**

- B.S. (4-years) degree
- The department has an elaborate M.Sc. Program for the external B.Sc. (2 year) students coming from various colleges. The department is accommodating the B.Sc. (2 year) students from all over Pakistan since decades on merit and reserve seats.

○ **MS and PhD Programmes**

- MS/M.Phil (Morning Program)
- Ph.D. degrees



○ **Academic Achievements**

The Department produced 10 Ph.Ds and 58 MS/M.Phil students during the academic year 2018-19.

○ **Foreign Academic Linkages**

Dr. Javed Iqbal Qazi

- The Ohio State University. USA
- School of Agriculture and Food Science, Australia

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

- Member, Implementation Committee for adopting preventive measures against any possible spread of Dengue Fever on both the Campuses of University of the Punjab, Lahore vide office order No. D/556/R, dated 16.07.2019.
- Member, Adhoc Committee for the appointment of Wardens and Superintendents of the Hostels at University of the Punjab, Lahore, for the years 2019-2020 vide office order No. D/224/R, dated 04.03.2019.
- Chairman, House Allotment Committee for Non-Teaching Staff of University of the Punjab, Lahore vide office order No. D/664/R, dated 02.09.2019.
- Member, Management Committee for Department of Mosques, University of the Punjab, Lahore for a period of two years vide office order No. D/665/R, dated 02.09.2019.
- Member, Board of Studies in the subject Medicine & Dentistry, University of the Punjab, Lahore vide office order No. D/5395/Acad, dated 29.07.2019.
- Member, Board of Faculty of Life Sciences, University of the Punjab, Lahore vide office order No. D/4944/Acad, dated 24.07.2019.



- Coordinator, BS (Hons) program, Department of Zoology, University of the Punjab, Lahore vide office order No. D/2256/Est-I, dated 17.07.2019.
- Convener, Board of Studies in subject of Zoology, University of the Punjab, Lahore vide office order No. D/4470/Acad, dated 27.06.2019.
- Member, Project Evaluation Committee, University of the Punjab, Lahore, vide office order No. 212/Dean.Life.Sci., dated 22.03.2019.
- Member, HEC Needs Based Scholarship Program (2018-2019), vide office order No. 211/Dean.Life.Sci., dated 21.03.2019.
- Member, Congress Organizing Committee, 39th Pakistan Congress of Zoology (International), Department of Zoology, Islamia College University, Peshawar.
- Member, Organizing Committee for 15th National Honeybee Farming and Management Training Workshop (March 25-29, 2019), vide office order No. 900/Dean. Life. Sci, dated 07.03.2019.
- Member, Departmental Tenure Review Committee (DTRC) of the Centre for Undergraduate Studies, University of the Punjab, Lahore, vide office order No. D/614/Est.I, dated 26.02.2019.
- Member, Executive Council ZSP, Punjab, (2017-2020), The Zoological Society of Pakistan, School of Biological Sciences, University of the Punjab, Lahore.
- Member, Congress Executive Committee, The Zoological Society of Pakistan, School of Biological Sciences, University of the Punjab, Lahore.

Prof. Dr. Asmatullah

- Additional duty as Director Students Advisor
- Additional duty as Director ORIC
- Coordinator, Ph.D Regular Program
- Board of Studies in Zoology, University of the Punjab, Lahore (1994-1997, 2000-todate).
- Board of Faculty of Science, University of the Punjab, Lahore (1994-1997, 2000-todat).
- Examination Committee, B.Sc. Zoology, University of the Punjab, Lahore.
- Examination Committee, M.Sc. Zoology, University of the Punjab, Lahore.
- Admission Committee, M.Sc. Zoology classes, University of the Punjab, Lahore.
- Admission Committee, Ph.D. classes, Zoology.
- B.A./B.Sc. Examination Monitoring Team, (2001, 2003, 2004)
- Disciplinary Committee, Zoology Department.
- Awarded research incentive 2018
- Awarded Performance Evaluation in 2018

Dr. Zafar Iqbal

- Awarded a Certificate of Appreciation for Excellent oral presentation entitled “ Effect of herbal plants supplemented diet on the growth of a commercial carp, *Labeo rohita*, in 6th international symposium on cage aquaculture in Asia 2018, held from 12-15 October 2018 at Surat Thani, Thailand.



- Awarded a certificate of Active Participation as invited speaker, on “ One Day Seminar on Fish Diseases and Control Strategies” On 28th January 2019 at Faculty of Fisheries and Wild life , UVAS, Ravi Campus, C-Block, Pattoki.
- Awarded a certificate of Participation for oral Presentation in International Fisheries & Aquaculture Conference-2019, January 30-31, 2019 held at Lahore. Organized by Department of Fisheries and Aquaculture , UVAS, Lahore

Prof. Dr. Nabila Roohi,

- Incentive Award, University of the Punjab, 2018
- Performance Evaluation Award, University of the Punjab, 2018
- 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

- Incentive Award, University of the Punjab, Lahore 2018
- Performance Evaluation Award, University of the Punjab, 2018
- Advance increment at joining of Assistant professor on BPS and TTS
- Co-Chair sessions in Pakistan congress of Zoology

Dr. Zulfiqar Ali

- Incharge Zoological Museum
- Coordinator MS MPhil Programme
- Expert/Advisor of UVAS Selection Board
- Member Board of Studies, Zoology, University of the Punjab.
- Member Disciplinary Committee
- Member DDPC (Zoology), University of the Punjab.
- Performance Based Increment 2018
- Honorarium 2018
- Member Board of Studies UVAS



- Head Examiner for the Zoology Paper “A” (B.Sc.) 2018-19
- Member M.S./M. Phil admission committee 2018-19
- Member Admission Committee for M.Sc. 2018-19
- Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.

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

- Zoologist of Year Award 2019
- Member HEC-TTS review Committee
- Expert/Advisor of LCWU Selection Board
- Member Board of Studies, Zoology, University of the Punjab.
- Member DDPC (Zoology), University of the Punjab.
- 39th International Pakistan Congress of Zoology, Chaired Session/Award of Zoologist of the Year 2019 at Islamia College, University, Peshawar
- New Trends in Natural Sciences II: Public Health, Food Nutrition & Safety, Chaired Session, at LCWU, Lahore
- Performance Based Increment 2018
- Honorarium 2018
- Head Examiner for the Zoology Paper “C” (B.Sc.) 2018-19
- Member Board of Studies in Zoology Kinnaird College for Women Lahore.
- Member M.S./M. Phil admission committee 2018-19
- Member Admission Committee for M.Sc. 2018-19
- Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.

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



- Received travel grant Rs. 23000/- from university of the Punjab, Lahore for presentation of research work at 1st conference of Arabian Journal of Geosciences held at hammamet, Tunisia, from 12-15 Nov. 2018.

Dr. Muhammad Akbar Khan

- Award of Performance based on increment + honorarium
- Certificate of excellence for the establishment of Dr. Abu Bakr Fossil Display & Research Centre, Zoology Department, University of the Punjab, Lahore

Dr. Chaman Ara

- Paper setter/ Head examiner for comprehensive examinations Annual and Fall 2018 by University of Education, Lahore.
- Focal Person of Annual report committee
- Member Sports committee zoology department, University of the Punjab, Lahore. (Ref# 547/UZ)
- Member Admission Committee, M. Sc Zoology(Regular) session, 2019-2020 ,University of the Punjab, Lahore. (Ref# 1211/UZ)
- Member, MS/M.Phil. (Regular) admission Committee (Ref# 1391/UZ)
- BS 4 years program 6th semester 2018 to conduct practical exam.
- Appointed as Ext.Examiner, to evaluate M.Phil Thesis and to conduct Viva Voce
- Appointed as Ext.Examiner, to evaluate M.Phil Thesis and to conduct Viva Voce
- Appointed as Ext.Examiner, to evaluate M.Phil Thesis and to conduct Viva Voce
- Departmental data collection and sending to concerned bodies(ORIC / Planning and development, director student affaires, Registrar, PASTIC, UNESCO, etc.
- Member Admission committee M.Sc morning/Evening program (2018)
- Member Admission committee MS/M.Phil Evening program (2018)
- Member Interview committee MS/M.Phil spring session 2018
- B.A/B.Sc Part-II Practical annual Examination (2019), Punjab College of Science, Lhr.
- B.A/B.Sc Part-I Practical annual Examination (2019), Govt Postgraduate College for Women, Wahdat Road Lhr.
- Appointed as Ext.Examiner, to evaluate M.Phil Admission Committee, Ph.D, MS/M.Phil classes, Zoology University of the Punjab Lahore.
- Examination Committee, B.Sc. Zoology, University of the Punjab, Lahore.
- Examination Committee, M.Sc. Zoology, University of the Punjab, Lahore.
- Examiner/Paper setter University of Education Lahore.
- Incharge Hostel Affairs in University of the Punjab, Lahore. 6. Sports committee zoology department, PU, Lahore.

Dr. Hafiz Abdullah Shakir

- Member, Departmental Committee for Dengue Eradication/Awareness
- Member, MS/M.Phil. (Regular) admission Committee (Session 2015-onward)
- Incharge, Department Admission Desk-2014 Member, BS (Session 2014-18)



- Admission Committee Member, Ph.D. (Regular) admission Committee (Session 2014-onward) Member, University of the Punjab Monitoring Team-06 for B.Ed examination A/2014.
- Member, University of the Punjab Monitoring Team-10 for M.A/M.Sc./B.Com examination-A/2014 Member, old Ph.D. Scheme admission Committee (Session 2014-onward)
- Member, BS (Session 2013-17) Admission Committee Incharge, Admission Desk-2013
- Member, Zoological Society of Pakistan
- Member, Fisheries Society of Pakistan

Dr. Bushra Nisar Khan

Incentive Award 2018

○ **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
- Government College University Lahore
- University of Education Lahore

Dr. Nadeem Sheikh

- 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.
- Collaboration with Comsats University, Lahore.

Dr. Abdul Majid Khan

- COMSATS Islamabad
- Bio-resource Research Centre Islamabad
- UVAS, Bahawalpur, Pakistan

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).

Dr. Bushra Nisar Khan

- Co-supervise the Research thesis of M.Sc. BS (Hon), MS, M.Phil (Zoology, Environment, Wildlife, & Ecology) of following organizations.
- Lahore College for Women University
- Kinnaird College for Women
- University of Veterinary & Animal Sciences Lahore
- University of the Lahore
- Govt. Postgraduate College for Women samanabad, Lahore



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○ **Undergraduate and Postgraduate Programmes**

- B.Sc. (Hons.)
 - Majors
 - Plant Pathology
 - Horticulture
 - Food Technology
 - Entomology
 - Agronomy

○ **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 167 students to BS (Hons.), 120 to M.Sc. (Hons.) and 15 to Ph.D. program were admitted. Since the establishment of the institute, eleven batches of BS (Hons.) 4-year program and eleven batches of M.Sc. (Hons.) programs have passed out. In the area of teaching, attention is being focused on concept building. This goal is achieved by observing the curriculum developed by HEC to meet the national needs. Quality enhancement is addressed on the guideline proposed by HEC and PU faculty assessment criteria. 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 3552 books, 15 research journals, 10 newsletters, 773 reports and 352 theses were added in the library of the institute. The First Fungal Culture Bank of Pakistan has isolated, purified and conserved 72 fungal and 50 bacterial species that were added to conservatory during the report period. Herbal Heritage Centre after standardizing techniques of *Aloe vera* gel and essential oils production at lab scale has acquired locally fabricated pilot plants for commercial production of both.
- **Foreign Academic Linkages**
 - Punjab University – PARB – University of Toronto, Canada
 - Punjab University – ICARDA – USDA, University of Arizona, USA
 - Azher Hameed Al-Taie - College of Agriculture, University of Wasit, Iraq (collaborative papers).
 - Saida Messgo-Moumene - Laboratory for Research on Medicinal and Aromatic Plants, Science and Life Faculty, University of Blida1, Blida, Algeria (collaborative papers).
 - Punjab University and Wuhan University China
- **Honours and Awards**
 - Dr. M. Saleem Haider, Professor & ‘Director
Performance award received in 2019 from the University of the Punjab.
 - Dr. Muhammad Arshad Javed, Professor
Excellent Performance Award and cash prize (Citra Karishma), Universiti Teknologi Malaysia (UTM)
 - Dr. Arshad Javaid, Associate Professor
Performance based increment and honorarium by Punjab University in 2018.
 - Dr. Uzma Bashir, Associate Professor
Awarded performance based increment in 2018.
 - Dr. Amna Shoaib, Associate Professor
Performance based increment and honorarium award received in 2018 from the University of the Punjab.
 - Dr. Shazia Shafique, Associate Professor
Honorarium and Awarded performance based increment in 2018.
 - Dr. Muhammad Ashfaq, Assistant Professor
Performance based increment received in 2019 from the University of the Punjab.
 - Dr. Rashid Mahmood, Assistant Professor
Awarded performance based increment in 2018.



- Dr. Muhammad Bilal Chattha, Assistant Professor
Awarded performance-based increment in 2018.
- Dr. Shinawar Waseem Ali, Assistant Professor
Awarded by performance based increment in the year 2018 from University of the Punjab.
- Awarded by Full Sponsorship through Malaysian Technical Cooperation Program (MTCP) to attend “39th Palm Oil Familiarisation Programme (POFP 2019)”, 22-28 September 2019, held at Putrajaya, Malaysia
- Dr. Shahbaz Ahmad, Assistant Professor
Performance based annual increment in 2018 from the University of the Punjab.
- Dr. Hafiz Azhar Ali Khan, Assistant Professor
 - Best Research Paper Award (2019) by the Higher Education Commission, Pakistan
 - Performance evaluation award received in 2019 from the University of the Punjab.
 - Incentive Award on research publications received in 2019 from the University of the Punjab
- **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

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○ Undergraduate and Postgraduate Programs

Currently Institute of Applied Psychology is running two Undergraduate BS (4-Years) Applied Psychology (Morning and Replica) Programs and two Postgraduate 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 40 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. 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. There are 20 seats each for M.Phil Applied Psychology, 10 seats for MS Health Psychology and 10 for Ph.D Applied Psychology Programs.

○ **Academic Achievements**

- 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 lecture were conducted to provide ample opportunities to its students to gain practical knowledge and management experience.
- *6th HEC Best Research Paper Awarded to Dr. Rafia Rafique, Associate Professor*
Dr. Rafia Rafique Associate Professor, Institute of Applied Psychology, University of the Punjab Lahore got best research paper award in social sciences by Higher Education Commission of Pakistan today at a ceremony held at HEC, Islamabad.
- *Alumnus Prof. Dr. A. H. Alawi Gold Medal & Scholarship Ceremony*
Institute of Applied Psychology, Punjab University Orchestrated Alumnus Prof. Dr. A. H. Alawi Gold Medal & Scholarship Ceremony on 24th November 2018. Institute of Applied Psychology cordially welcomed the distinguished alumnus and guests serving in various fields of psychology round the country. Mrs. Azra Qureshi, daughter of Prof. Dr. Alawi rendered a Gold Medal in the name of her beloved father to the Punjab University for the 1st position holder of MSc Regular program. She has also given two Merit Scholarships for the first and second position holder for MSc part I through Human Development Fund established by her.
- *One Day Workshop on Quantitative Data Analysis using SPSS*
Institute of Applied Psychology, Punjab University organized International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February, 2019. A series of pre-conference workshops have been initiated. With its reference One day workshop was held on 26th November 2018 on Quantitative Data Analysis using SPSS. Representative from Department of Psychology, University of Management and Technology, Lahore was the resource person. The workshop provided a promising opportunity for the attendees to enhance their understanding of interpreting statistical data and effectively dealing with research work in their respective areas using SPSS.
- *Session on Mental Health Awareness*
Institute of Applied Psychology, Punjab University organized a session on Mental Health Awareness for its BS-1 and MSc-1 morning and replica programs on 20th December 2018. Ms. Sadia Shahzaib, Counseling Psychologist at Students Counseling and Assessment Services (SCAS), Punjab University conducted the session. The session focused on the issues faced by the students in their personal and academic lives including stress, anxiety and familiar conflicts. Session highlighted the importance of Emotional Intelligence.



- *One Day Workshop on “Mindfulness” (Through Video Link)*
 International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February organized by Institute of Applied Psychology, Punjab University. Fifth One day workshop was held on 3rd January, 2019 on “Mindfulness” through video link. Dr. Barbara Dritschel, School of Psychology & Neuroscience University of St. Andrews, UK was the Resource Person. Total 35 participants including faculty members attended the workshop which provided an insight about Mindfulness and how it can be practiced in every moment of life activities for improving their physical and mental health.
- *Three Days Students Societies Promoting Peace Narrative through Arts and Culture*
 Institute of Applied Psychology in collaboration with College of Earth and Environmental Sciences (CEES) and Centre for Health and Gender Equality (CHANGE) organized three-days Students Societies Trainings promoting Peace Narrative through Arts and Culture Society from 14th to 16th January, 2019. The students of Institute of Applied Psychology and College of Statistical and Actuarial Sciences participated in the training. Mr. Muhammad Pervaiz, director program CHANGE and Ms. Zahra, Faculty CEES engaged students in interactive activities, lectures, plays, brain storming sessions.
- *One-Day Workshop on Rational Emotive Cognitive Behavior Therapy-Basics and Beyond*
 In connection with upcoming International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February 2019 organized by Punjab University Institute of Applied Psychology a one-day pre-conference workshop on Rational Emotive Cognitive Behavior Therapy-Basics and Beyond has been organized. Ms. Saima Salman, practicing Clinical Psychologist in Singapore was the resource person. Around 22 participants including faculty members and MS, MPhil students of various universities attended the workshop.
- *Two-Day Workshop on Eidetic Image Therapy*
 International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February 2019 organized by Institute of Applied Psychology, Punjab University, another two-day workshop from 4th to 5th February 2019 on Eidetic Image Therapy was held. Mr. Akhtar Ali Syed, Principal Clinical Psychologist, Brothers of Charity Services, Ireland was the resource person. The workshop provided an opportunity to the attendees to learn about Eidetic Image Therapy and to understand the emotional and behavioral problems.
- *National Performing Arts Competition*
 Institute of Applied Psychology organized a National Performing Arts Competition on 6th February 2019. Teams from Six Universities participated in the competition. The theme for the competition was Desensitization of Mental Health Stigmas. As hosts, The Institute of Applied Psychology also presented a play ‘*Andekha*’ but did not compete in the competition. Director appreciated the hard work and efforts of all the participants and organizers. The Chief Guest, for the event, Prof. Dr. Firdaus Bareen, Dean of Life



Sciences, Punjab University, Lahore, appreciated of the teams for their remarkable performances and highlighted the pertinence of fostering positive growth in students by engaging them in productive activities and also acknowledged the efforts of Institute of Applied Psychology for employing Arts and Dramatics as means to highlight Psychological issues of the society.

- *International Conference Applied Psychology (6th – 8th February, 2019)*
 - The Institute of Applied Psychology, Punjab University has organized an International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February 2019. Punjab Governor Chaudhry Muhammad Sarwar addressed the inaugural ceremony of 3-day international conference of Applied Psychology: Practices and Interventions at Pearl Continental Hotel Lahore. The conference was organized by Punjab University Institute of Applied Psychology (IAP) in collaboration with Higher Education Commission Pakistan, Punjab Higher Education Commission and Pakistan Psychological Association. Punjab University Vice Chancellor Prof. Dr. Niaz Ahmad Akhtar, Member National Assembly Riaz Fatyana, Prof. Dr. Nick Hopkins, Chief Organizer and IAP Director, foreign delegates comprising on psychologist, presenters and researchers from UK, USA, Australia, Spain, Greece, Ireland and other countries, senior faculty members and a large number of students were present on the occasion.
 - Second day of the Conference began with the address of Prof. Dr. Patrice J. Dow-Nelson from The state University of New Jersey, USA on Acculturation, Identity and the Therapeutic Relationship. Four Symposiums on Interpersonal Acceptance-Rejection Theory and Forensic Psychology by Prof. Dr. Miguel A. Carrasco, Dr. Saima Sandhu, Dr. Artemis Giotsa and Mr. Akhter Ali Syed were held, followed by eight scientific sessions about various psychological issues, concerns and practices. E-posters on various themes were displayed to enhance the knowledge of the participants.
 - The last day (3rd day) of the conference began with the address of Prof. Dr. Najma Najam, Prof. Emeritus, Institute of Applied Psychology on Coming of Age in Turbulent Times: Pakistani Psychology at cross Roads. A symposium on Organizational Psychology was conducted by Dr. Muhammad Imran Qureshi followed by seven scientific sessions on various psychological themes. The Chief Guest of the concluding ceremony, honorable Mr. Riaz Fatyana, Member National Assembly appreciated the efforts of the Institute of Applied Psychology in the promotion of psychological issues at stake and motivated to continue the professionals to serve the general public.
- *One-day Workshop on Structural Equation Modeling: Smart PLS*
International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) from 6th to 8th February 2019 organized by Institute of Applied Psychology, Punjab



University, a one-day workshop on 7th February 2019 on Structural Equation Modeling: Smart PLS was held. Dr. Muhammad Imran Qureshi, Universiti Teknologi Malaysia was the resource person. 31 participants including faculty members and MS, MPhil students of various universities attended the workshop. The workshop provided a promising opportunity to the attendees to enhance their understanding of PLS path modeling and its application in various research settings.

- *One-day Workshop on Qualitative Analysis*

International Conference of Applied Psychology; Practices and Interventions (ICAP - 2019) from 6th to 8th February 2019 organized by Institute of Applied Psychology, Punjab University, a one-day workshop on 8th February 2019 on Qualitative Analysis was held. Prof. Dr. Nick Hopkins, Professor at University of Dundee, UK was the resource person. Total of 34 participants including faculty members and MS, MPhil students of various universities attended the workshop. The workshop provided an opportunity to the attendees to learn about qualitative analysis and its significance.

- *A three-day workshop on Eye Movement Desensitizing and Reprocessing (Level 2)*

In reference to the International Conference of Applied Psychology; Practices and Interventions (ICAP-2019) held from 6th to 8th February 2019 organized by Institute of Applied Psychology, Punjab University. A three-day workshop on Eye Movement Desensitizing and Reprocessing (Level 2) was held from 11th-13th February 2019. Dr. Saima Sandhu, licensed Professional Clinician, New Jersey City University, USA was the resource person.

- *Co-Curricular and Extra-Curricular Activities*

We believe that participation in co-curricular and extra-curricular activities are equally important for students to develop as physically and psychologically healthy individual, a socially responsible individual; a self confident and assertive individual and the one who has realized all inherent potentials. A student advisory committee in the Institute comprising of enthusiastic faculty members prepares annual calendar for co-curricular and extra-curricular activities and ensures students' participation in arrangements and participation in such activities. Last year was a very eventful one comprising of several co-curricular activities such as annual dinner, educational trips and sports event. Moreover, students of the institute actively participated and won accolades in various extracurricular activities like sports, project competition and made Institute proud with their achievements as always.

- *Annual Sports Day 2019*

Institute of Applied Psychology, University of Punjab organized its Annual Sports Day on 7th March, 2019. The event started with reception of the chief guest, Dr. Zafar Iqbal, Chairman Department of Sport Sciences & Physical Education. Dr. Zafar Iqbal along with the faculty members of the Institute inaugurated the event. The Acting Director welcomed everyone and praised the efforts of academic committee and students for arranging these extracurricular events.



▪ **Community Work**

- Institute of Applied Psychology inculcates in its students a sense of responsibility and sensitivity towards the current social issues and a spirit of volunteerism. The students of the Institute participate in community work, both at the directives of the Institute as well as on voluntary basis. In order to ensure students' participation, the Institute has added community work as a mandatory part of its curricula. This year too, community work was undertaken by students with keen interest and commitment.
- The students visited various public schools and gave training to the students regarding health and hygiene, morality and grooming. One of the activities held in collaboration with SCAS was putting up stalls at University girls' hostels to make them aware of psychological health, educate and sensitize them about issues related to physical and mental health, and train them manage day to day life problems. Stress management, healthy life style and eating habits were amongst the main areas covered in the community work. Students executed projects on environment protection & cleanliness, humanism, altruism and patriotism.
- On a personal level, students render voluntary services in different hospitals, situations, raising awareness among masses on different issues through preparing and circulating educational pamphlets, providing support to the families of children with special conditions and diseases.
- Our students volunteer to be part of different student committees: Cleanliness, Security, Discipline, Extracurricular activities etc. Their duty is to watch over and assist in respective responsibilities and report to the faculty member accordingly.

○ **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**

- Holding workshops, seminars, extension lectures and video conferencing lectures to update students' knowledge is a salient feature of the Institute.
- Dr. Abdul Hai Alawi Gold Medal for the topper student of MSc Applied Psychology.
- Human Development Fund (HDF) Merit Scholarship for the two toppers of MSc Semester II.

○ **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

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○ **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 2018-19 are 244 students in BS Biochemistry/ BS Biotechnology and 67 students are enrolled in M. Sc. Biochemistry/ M. Sc. Biotechnologysession 2018-19.

○ **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 2018-19, the numbers of students were admitted in MS Biochemistry/MS Biotechnology degree program 77 students.

○ **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 – two Professors, two Associate Professors, ten Assistant Professors, three 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

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○ **MS and Ph.D. Programmes**

- Presently, 127 research scholars 52MPhil and 75Ph.D.,are working in the School for their MPhil. and Ph.D. degrees. Most of the students admitted in 2014-15 have obtained their Ph.D. degrees. Remaining students of this batch are fairly advanced in their research projects and are in different stages of compiling their data, write up of thesis and giving final touches to their research work. The 2016-17scholars are fairly advanced in their research projects and are making satisfactory progress. The 2018-19 batch have completed their prescribed course work and are in their initial stages of planning experiments and running pilot experiments. The 2019-20 batch is in the initial stages of their course work.
- The Ph.D. students of the School have undertaken their mandatory Semester and Comprehensive Examinations, which they have passed with excellent scores.

○ **Academic achievements**

- **Patent:** Process for recombinant protein expression augmentation in bacillus expression system Inventor Faiza Saleem Hyun-woo Park Shagufta Naz , Abdul Rauf Shakoori

○ **Foreign Academic Linkages**

Name of Researcher/ Sponsoring Agency	Title of research project with duration	Collaborating scientist/institution	Joint objectives
Dr. Naeem Rashid		Prof. Tadayuki Imanak, Ritsumeikan University Shuga Prof. HoorayukiAtomi, Kyoto University, Kyoto Prof. Masaki Morikawe, Hokkaido University, Hokkaido, Japan. Dr. Osman Mirza, University of Copenhagen, Denmark Prof. Raja Noor Zahia, University Putra, Malaysia Prof. Ziao-Feng Tang, Wuhan University, China	
Dr. Abdul Rauf Shakoori		University of Vermont Madical Center Vermont, USA	
Dr. Waheed Akhtar		Center for Comparative Medicine, School of Medicine, University of California, Davis, USA	



Dr. Sadaf Naz Deutsche Forschungsgemeinschaft, Germany, LO 1555/8-1,	Molecular characterization of complex movement disorders with predominant dystonic features in consanguineous families. 2015-2018	Deutsche Forschungsgemeinschaft, Germany	
Dr. Sadaf Naz psych \$4100, University of Minnesota, USA	Molecular characterization of Psychotic disorders in Pakistan. 2016-2017	University of Minnesota, USA	
Dr. Sadaf Naz		National Institutes of Health, USA Johns Hopkins University, USA University of Minnesota, USA University College London, UK University of Helsinki/Karolinska Institute (Finland/Sweden) University of Luebeck, Germany	
Dr Qurra-tul-Ann Afza Gardner	1. Studies on biopharmaceutical; Insulin and Interferon 2. Rapid identification of microorganisms by MALDI Biotyping 3. Glycomics and glycoproteomics (All are on-going)	Prof Dr Muhammad Akhtar FRS; University of Southampton, UK	Analysis of protein modification by mass spectrometry
	Studies on fibrils and their role in autoimmune disorders and Alzheimer (on-going)	Dr PT Williamson; University of Southampton, UK	Elucidation of fibril structures
	Studies on fibrils and their role in autoimmune disorders and Alzheimer (on-going)	Prof. Steve. P. Wood; University College London, UK	Elucidation of fibril structures
	MALDI Biotyping of clinically important microorganisms	Dr Faisal Sultan (CEO) Dr Summiya Nizammuddin (Consultant Microbiologist); Shaukat Khanum Memorial Cancer Hospital	Rapid Identification of microorganisms and its application in clinical microbiology
	Application of MALDI MS in Glycomics and Glycoproteomics	Prof Dr Najam-ul-Haq; Bahauddin Zakariya University, Multan	



	Mass spectrometric identification of Scorpion venoms and their applications	Dr M. Hafiz Tahir; GC University Lahore	
Dr. Mehwish Aslam		Dr. Tamotsu Kanai Laboratory of Biochemical Engineering, Synthetic Chemistry and Biological Chemistry Graduate School of Engineering, Kyoto University, Kyoto	
		Prof. Haruyuki Atomi Professor Laboratory of Biochemical Engineering, Synthetic Chemistry and Biological Chemistry Graduate School of Engineering, Kyoto University, Kyoto	
Dr. Uzma Qaisar		Prof. Dr. Abdul Hamood, Texas Tech University, Lubbock, TX, USA	

○ Honors and Awards

Sr	Name of Awardees	Title of Award	Authority/Organization Conferring the award	When Awarded
1	Ms. Zahra Naz	HEC indigenous scholarship	HEC	2018-2019
2	Ms. Madiha Mumtaz	IRSIP	HEC	2019

○ Institutional Linkages

Developed linkages with KEMU (King Edward Medical University) and signed MOU

CENTRE FOR APPLIED MOLECULAR BIOLOGY

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○ MS and PhD Programmes

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

○ Academic Achievements

28 M.Phil students have completed their M.Phil, also along with ongoing 28 M.Phil and 28 Ph.D students in course work and/or research.

○ Honours and Awards

12 (Research Incentive Awards)

○ Institutional Linkages

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



- i. University of Agriculture, Faisalabad.
- ii. Govt. College University, Lahore
- iii. Bahaud din Zakariya University, (Sub-Campus), Lahore
- iv. Bahud din Zakariya University, Multan
- v. University of Veterinary and Animal Sciences, Lahore
- vi. Govt. College for Women, Gulberg, Lahore
- vii. Kinnaird College, Lahore
- viii. King Edward Medical University, Lahore
- ix. Institute of Child Health, Children Hospital, Lahore etc.
- x. Lahore University of Management Sciences (LUMS)
- xi. University of Health Sciences, Lahore.

Faculty of Health Sciences

FACULTY OF HEALTH SCIENCES

Telephone (s): 042-99232130

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○ Undergraduate and Postgraduate Programmes

Sr. No.	Program Title	Duration
1	Doctor of Physiotherapy	DPT (5-year)
2	Medical Lab Technology	B.Sc. (Hons.) 4- year
3	Operation Theater Technology	B.Sc. (Hons.) 4- year
4	Medical Imaging Technology	B.Sc. (Hons.) 4- year
5	Cardiac Perfusion Technology	B.Sc. (Hons.) 4- year
6	Optometry	B.Sc. (Hons.) 4- year
7	Dental Technology	B.Sc. (Hons.) 4- year
8	Anesthesia Technology	B.Sc. (Hons.) 4- year

○ Institutional Linkages

- M. Phil & Ph.D Memorandum of Understanding Between University of the Punjab and Gulab Devi Medical Complex, Lahore.

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

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○ 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 positions in M. A. Arabic Part I, II and M.A. Arabic P-II Twelve students did their research work and wrote M.A. theses. Seventeen 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

Telephone (s): +92-42-99211814

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Academic Program: Diploma in Hindi Language (1year/ 2 semester)

DEPARTMENT OF KASHMIRIYAT

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○ **Undergraduate and Postgraduate Programmes**

- 23 students are admitted in M.A Kashmiryat Part-I
- 07 students are admitted in M.Phil Kashmiryat Part-I
- 04 students are admitted in Ph.D Kashmiryat Part-I

○ **Academic Achievements**

- **Organized a seminar named:** مسئلہ کشمیر موجودہ تناظر میں on 09th April, 2019.

○ **Foreign Academic Linkages**

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

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

○ **Institutional Linkages**

▪ **At National Level**

- Azad Jammu & Kashmir University, Muzaffarabad.
- Kashmir Centre, Lahore.

▪ **At International Level**

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



- Exchanges and Resources Sharing Program/Forum of Resources Sharing
 - Jammu & Kashmir, Cultural Academy, Srinagar. (Indian Held)
 - University of Srinagar, Jammu & Kashmir (Indian Held) (Indian Held)
 - Baba Badshah University Rajouri Jammu Kashmir. (Indian Held)

DEPARTMENT OF PERSIAN

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○ **Undergraduate and Postgraduate Programs**

- 46 students are admitted in M.A Persian Part-I for the Year 2018
- 46 students are admitted in M.A Persian Part-I for the Year 2019

○ **MS and Ph.D Programs**

- 13 students are admitted in M.Phil Persian (Fall Session) in 2018
- 20 students are admitted in M.Phil Persian (Fall Session) in 2019

○ **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
- Tajiksitan National University, Tajiksitan
- Imam Khomani International University, Qazvin, Iran



○ **Institutional Linkages**

- *At National Level*
 - Iran Pakistan Institute of Persian Studies, Islamabad
 - Cultural Centre of Islamic Republic of Iran, Lahore
 - Department of Iqbal Studies, University of the Punjab, Lahore
 - Markaz e Majalis e Iqbal, Awan e Iqbal Authority, Lahore.
- *At International Level*
 - Firdousi University, 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
- *Exchanges and Resources Sharing Program/Forum of Resources Sharing*
 - Ministry of Cultural and Higher Education, Tehran, Iran
 - 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

DEPARTMENT OF URDU

Telephone (s): +92-42-99210832, 99213110

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

○ **Undergraduate and Postgraduate Programmes**

65 students are admitted in M.A Urdu Part-I for the Year 2018

68 students are admitted in M.A Urdu Part-I for the Year 2019

○ **MS and PhD Programmes**

30 students are admitted in M.Phil Urdu in 2018

23 students are admitted in Ph.D Urdu in 2018

○ **Academic Achievements**

- The Department of Urdu has produced Semester System one year Program of *Diploma & Certificate in Urdu*.
- The Department of Urdu has organized a “One Day International Iqbal Conference” On 23rd April 2019 in Senat Hall, Allama Iqbal Campus Punjab University, Lahore.
- Department of Urdu has conducted the following Literary Sessions in which National & International critics, poets and writers participated and contributed as guest speakers.



- The Department of Urdu has organized an Orientation Program for New Admitted Students on 31st Oct 2018.
 - The Department of Urdu has organized an Introducing Ceremony of Book “انجمنی” on 16th Nov 2018.
 - The Department of Urdu has organized a program with regards of Foreign Delegation from Iran & Turkey on 16th Nov 2018.
 - The Department of Urdu has organized a Seminar “مصر میں اردو زبان و ادب کی تدریس” on 27th Nov 2018.
 - The Department of Urdu has organized a Seminar “یورپ میں اردو” on 29th Nov 2018.
 - The Department of Urdu has organized a Seminar “جیل جالبی تعزیتی ریفرنس” on 1st Jan 2019.
 - The Department of Urdu has organized a Seminar “کوریائیں اردو” on 7th Jan 2019.
 - The Department of Urdu has organized a Literary Session with Afzal Ahmad Syed & Mrs. Tanveer Anjum on 10th Jan 2019.
 - The Department of Urdu has organized a Literary Session Claus Valling Pedersen (Professor Department of Cross Cultural & Regional Studies, University of Copenhagen Denmark) on 24th Jan 2019.
 - The Department of Urdu has organized as seminar “اقبال اور کشمیر” on 6th Feb 2019.
 - The Department of Urdu has organized as seminar “ایران میں اقبال شناسی” on 22th Feb 2019.
 - The Department of Urdu has organized Pakistan Day Program on 22nd March 2019.
 - The Department of Urdu has organized a Session on the Topic “The justification for the Establishment of Pakistan” on 3rd April 2019.
 - The Department of Urdu has organized a Literary Session with “Azra Abbas & Anwer Sin Raey” 9th April 2019.
 - The Department of Urdu has organized an Introducing Ceremony of Book “مباحث خطبات اقبال” on 2nd May 2019.
- **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
 - Tokyo University of Foreign Studies
 - Jiangxi University of Science and Technologym, China
 - Academy of Persian Language and Literature Tehran, Islamic Republic of Iran, Iran
 - Istanbul Sehir University, Turkey, Istanbul
 - Naples University, Italy
 - University of Copenhagen, Denmark



- Heidelberg University, Germany
 - Bon University, Germany
 - Uppsala University, Sweden
 - Hancock University, South Korea
 - Al-Azhar University, Egypt.
 - Firdausi University Mashhad, Iran
 - Konia University, Turkey
 - Ankara University, Turkey
 - Istanbul University, Turkey
- **Institutional Linkages**
- Exchanges and Resources Sharing Program/Forum of Resources Sharing
- Tehran University Tehran, Iran
 - Daito Bunka University, Japan
 - Osaka University, Japan
 - Tokyo University of Foreign Studies
 - Jiangxi University of Science and Technology, China
 - Academy of Persian Language and Literature Tehran, Islamic Republic of Iran, Iran
 - Istanbul Sehir University, Turkey, Istanbul
 - Naples University, Italy
 - University of Copenhagen, Denmark
 - Heidelberg University, Germany
 - Bon University, Germany
 - Uppsala University, Sweden
 - Hancock University, South Korea
 - Al-Azhar University, Egypt.
 - Firdausi University Mashhad, Iran
 - Konia University, Turkey
 - Ankara University, Turkey
 - Istanbul University, Turkey

DEPARTMENT OF PUNJABI

Telephone (s): +92-42-99210834

Fax Number (s): +92-042-99210834

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

- **Undergraduate and Postgraduate Programmes**
42 students have been admitted in M.A Part-I
- **MS and PhD Programmes**
05 M.Phil and 05 Ph.D students have enrolled



○ **Academic Achievements**

- 13 students have successfully passed in M.Phil examination
- 16 students have passed M.A Examinations

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**

54 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 205 + M.Phil 91 + Ph.D 10 + Diploma in Languages 214 = 520)

CONFUCIUS INSTITUTE

Telephone (s): 042-99233139

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

Annual Activities report of Confucius Institute of one year(from October 2018 to September 2019).

▪ **MoU singed**

- One MoU signed between University of the Punjab (PU) and Jiangxi University of Science and Technology (JXUST).
- One MoU signed for CTG Scholarship between CTG Confucius institute, PU and JXUST.
- One MoU signed for Academic Exchange between Confucius Institute, IER and JXUST.

▪ **Training and internship:**

- Confucius institute headquarter organized the on service host director of Confucius Institute training work shop in China in October 2019.
- Also we offered internship to 18 Students of Electrical Engineering department of PU in China.

▪ **Scholarship was availed by students:**

- 33 students got the scholarship from CTG China.
- Also we offered to 15 students scholarship to Students of CIPU.

▪ **Number of student trained in Chinese Language:**

We have trained 1167 students in Chinese language.



▪ **Faculty/ Student exchange:**

Confucius Institute provides scholarship to Pakistani students to learn the Chinese language and culture in different universities of China. Confucius Institute have organized scholarship in China such as;

- 20 Students have visited China in July, 2018 for fifteen days' summer camp.
- 18 Students have visited China in August, 2019 for fifteen days' summer camp.
- 22 of PU's delegate will visit China for 10 days in November 2018.
- We sent two students from department of geology to China to take part in international Competition in 2018.

▪ **China related event:**

- Spring festival celebration
- Chinese cultural performances
- Lion and Dragon dances
- Moon festival celebration
- Lantern Festival Gala
- Chinese Talent show
- Chinese tea ceremony
- Chinese tea workshop
- Chinese Film Week.
- Chinese cooking Classes
- Chinese Taiji Classes
- Cultural show during Chinese National Day Celebration

▪ **Chinese universities visited:**

Delegation from China visited University of the Punjab. And also our student visited JXUST.

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

○ **Undergraduate and Postgraduate Programmes**

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

- Pharm D Morning Session
- Pharm D Evening Session



○ **M.Phil and PhD Programmes**

Regular classes of M.Phil and Ph.D. are conducted in following four disciplines:

- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy

○ **Foreign Academic Linkages**

- Philips University of Marburg, Germany
- The University of Huddersfield, Queensgate, Huddersfield, West Yorkshire, HD1 3DH, United Kingdom ("UoH")

○ **Institutional Linkages**

- a. Allama Iqbal Medical College (Jinnah Hospital), Lahore.
- b. The CCL Pharmaceutical Laboratories, Lahore
- c. Highnoon Laboratories, Lahore

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

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

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

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

○ **MS and Ph.D. Programmes**

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

○ **Academic Achievements**

The Centre of Excellence in Solid State Physics was established in 1973. The major aim of establishing the Centre in this field was to provide the country with technically trained manpower and to establish research facilities in the field of solid state physics. The Centre offers M.Phil. degrees, Ph.D. degree and collaborative research work. The analytical facilities established in the Centre were successfully utilized to help various projects of National Importance. Students of various universities of Pakistan are offered these analytical facilities, and hundreds of samples of many different students have been analyzed, through ASIP and HEC, to date. Centre of Excellence in Solid State now boasts to have established facilities for theoretical and experimental research in the fields of materials preparation and characterization to device fabrication and characterization.



Achievements	2018-19
Number of faculty members	10
Number of adjunct faculty members	38
Number of books & Journal	4269
Number of M.Phil. students enrolled	463
Number of Ph.D. students enrolled	16
Number of students completed M.Phil.	230
Number of students completed Ph.D.	2

○ **Foreign Academic Linkages**

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

○ **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 HIGH ENERGY PHYSICS

Telephone (s) +92-42-99231137

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

○ **Undergraduate and Postgraduate Programmes**

70 students completed their BS (4-year) in Computational Physics and 78 students completed their M. Sc. in Computational Physics.

○ **MS and Ph. D. Programmes**

18 students completed their M. Phil study in High Energy Physics, 02 student completed Ph.D. in High Energy Physics.

Centre for Integrated Mountain Research

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

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

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

○ **Undergraduate and 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 20 and 17 students respectively thus a sum of 37 students are enrolled for year 2018-2019. The total numbers of student who have completed their Masteral degree in period are 22.

○ **MS and Ph. D. 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 PhDprogrammes in Geo-conservation and Sustainable Development (GCSD). Total strengths of active enrollment are 30 and 19 students in MPhil and programme 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 to cater students of BS (4 Years) program for Chemistry, Botany and Zoology. 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. 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 at CUGS has made significant research output each year. Along 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 or subjects 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 and Postgraduate Programmes**

- First four semester of BS (4 Years) Botany
- First four semester of BS (4 Years) Chemistry
- First four semester of BS (4 Years) Zoology



COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

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

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

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

○ **Undergraduate and Postgraduate Programmes**

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

○ **MS/M.Phil. and PhD Programmes**

- MS Environmental Sciences (Regular Program)
- M.Phil. Environmental Sciences (Self-Supporting) Program
- Ph.D. Environmental Sciences
- M.Phil. Applied Hydrology
- Ph.D. Applied Hydrology
- M.Phil. Geomatics
- Ph.D. Geomatics
- MS/ M.Phil. Occupational Health & Safety Program (Regular) Program
- MS/ M.Phil. Occupational Health & Safety Program (Self-Supporting) Program

○ **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, Occupational Health & Safety, Tourism and Hospitality Management and PGD in Occupational Health & Safety. Presently, CEES has enrolment of about 881 Students in various disciplines during the academic session 2018-2019. Moreover, CEES has produced 08 PhD, 62 MS/ M.Phil. and 148 BS / M.Sc. during the academic session 2018-2019. In addition to that the faculty members of the CEES have published 42 research publications in the national / international journals / conferences and book chapters during the academic year 2018-2019.

○ **Institutional Linkages**

- Environmental Protection Department, Government of the Punjab
- Ministry of Climate Change, Government of Pakistan
- UNDP, Pakistan
- University of McGill,
- University of Windsor, Ontario, Canada
- M/s Wisey's Germany
- Pakistan Association for Advancement in Science (PAAS)



- American Rainwater Catchment System (Pakistan Chapter)
- Pakistan Council for Renewable Water Resources (PCRWR)
- PCRET, Pakistan
- Pakistan Meteorological Department
- Ministry of Climate Change
- WAPDA
- Soil Survey of Pakistan
- National Cleaner Production Centre (NCPC), Islamabad
- Indus Consortium
- WWF (Pakistan)
- Bulleh Shah Packages
- Waste Busters
- The Urban Unit
- ECO

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

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

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

○ **Undergraduate and Postgraduate Programmes**

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

○ **MS and PhD Programmes**

- M.Phil – Regular
- PhD – Regular

○ **Academic Achievements**

- Admissions in all the academic programs were successfully accomplished.
- 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 *Selfsupport Programme*
- M.Sc. Regular programmes

○ MS and Ph.D Programmes

- M. Phil. Regular programme
- M. Phil. Self-support programme
- Ph.D. in Geography

○ Academic Achievements

40 M.Phil. Degrees are awarded.

○ Honors and Awards: 1

DEPARTMENT OF MATHEMATICS

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

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

○ Undergraduate and Postgraduate Programmes

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

○ M.Phil. and PhD Programmes

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

○ Academic Achievements

- 10 Ph.D. Scholars completed their PhD
- 42 M.Phil. Scholars completed their M.Phil.
- 92 M.Sc. students completed their M.Sc.
- 29 BS students completed their BS

○ Institutional Linkages

- External Examiners from different Universities conducted Viva Voce Examinations of M.Phil. and PhD.
- 02 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 4-Year in Physics - (Regular/Morning)
- MSc Physics Semester System – (Regular/Morning)

○ **MPhil and PhD Programmes**

- MPhil – (Regular Programme)
- PhD – Regular

○ **Academic Achievements**

The total numbers of students who have completed their degrees 111 (30 BS, 58 MSc. 20 MPhil and 2 Ph.Ds.). Forty 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**

- B.S in Space Science
- B.S in Space Science (Replica)
- M.Sc. in Space Science

○ **MS and PhD Programmes**

- M.Phil. in Space Science – Regular
- M.Phil. in Space Science – Replica
- PhD – (old scheme)



- **Academic Achievements**
 - Admission 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;
- **Institutional Linkages**
 - SUPARCO
 - Urban Unit
 - WWF
 - NESPAK
 - Soil Survey of Pakistan
 - Geological Survey of Pakistan
 - Pakistan Water Research Council
 - Pakistan Meteorological Deptt.
 - Punjab Forest Department
 - PMDFC

INSTITUTE OF CHEMISTRY

Telephone (s): +92-42-99230463

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

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

- **Undergraduate & Postgraduate Programs**
 - BS 4 Year Program
 - M.Sc (Morning & Evening)
- **MS & PhD Programs**
 - M.Phil
 - Ph.D
- **Academic Achievements**

Institute of Chemistry produced 24 Ph.D, 98 M.Phil, 145 M.Sc and 49 BS students during 2018-2019 sessions with distinction in all programs.
- **Foreign Academic Linkage**

MOU has been signed with WUHANG University of Technology regarding Collaborative Education.
- **Institutional Linkages**

Research collaboration with different research institutes including PCSIR, COMSATS especially for Instrumentation



INSTITUTE OF GEOLOGY

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

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

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

○ **Undergraduate and Postgraduate Programs**

During the academic session 2018-19 the Institute of Geology enrolled **85** students in BS Applied Geology(04 years) First Professional,Morning & Replica, while **33** students in M.Phil Applied Geology and **08** students admitted in Ph.D. Applied Geology degree program.

○ **MS and PhD Programmes**

Presently the Institute of Geology is running following M.Phil. / PhD programs with total strength of 91 and students.

- M.Phil. Applied Geology
- PhD Applied Geology

○ **Academic Achievements**

- Muhammad Bilal Malik (Reg. No. 2014-UGD-5), won 1st prize at Student paper contest held during 60th annual Symposium in June 2019, at Woodland, Texas, USA. Mr. Bilal is first Pakistani to present paper in the Society of Petrophysics and Well Log Analysis (SPWLA). Mr. Bilal completed his B.S Geology under the supervision of Prof. Dr. Naveed Ahsan and Dr. Muhammad Armaghan Faisal Miraj.
- Iqra Bano (Reg. No. 2015-ugd-65) won 2nd prize at Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019. Miss Iqra completed her BS Applied Geology under the supervision of Prof. Dr. Naveed Ahsan and Dr. Armaghan Faisal in 2019.
- Student of BS Applied Geology, University of the Punjab namely; Palwasha Shahzad Rathore (Registration No. 2013-IGL-783) won 2nd prize at PAPG (Pakistan Association of Petroleum Geoscientists) Paper Contest 2018, held at Hill View Hotel, F/7 Islamabad on 1st September 2018. Ms. Palwasha completed her BS Applied Geology under the supervision of Prof. Dr. Naveed Ahsan and Dr. Armaghan Faisal in 2018 and presented her research work titled "Subsurface Structural Interpretation of Joyamair Area, SPDZ Pakistan, an integrated 2-D Seismic and Petro-Physical Approach" in the contest.
- Student of BS Applied Geology, University of the Punjab namely; Ramsha Rauf participated in International Surveying Skills Contest which was held in China in which nine countries from around the world participated. There were two parts of the competition. Pakistan stood 1st in Digital Auto Leveling and 3rd in Total Station Surveying. Ramsha completed her BS Applied Geology under the supervision of Prof. Dr. Naveed Ahsan and Dr. Armaghan Faisal in 2019.



- Miss Ramsha also participated in Female Engineers MOL program (FEMP) organized by MOL group in September 2019. It provides financial support and skills development opportunities for outstanding female full-time students from selected universities who are pursuing degrees in the fields of MOL Group relevant STEM (Science, technology, engineering, and mathematics) subject. Tests and interviews were conducted, and eleven candidates were selected from around the globe who got a chance to represent their countries at MOL Headquarters in Hungary.
- **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 23

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, and Physics. However, currently SPS is facilitating students and researchers from University of the Punjab and other organizations in their research.
- **Academic Achievements**

In School of Physical Sciences up till now 30 M. Phil students and 12 PhD have completed part of their research projects related to physical, biochemical and molecular sciences.

Punjab University Gujranwala Campus

Telephone (s): +92-55-9201221, 9201225-27

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

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

- **Undergraduate and Postgraduate Programmes**
 - BBA (Hons.) Banking & Finance, 4 YearsProgram
 - BBA (Hons.), 4 YearsProgram
 - B.Com (Hons.), 4 YearsProgram
 - BSIT, 4 Years Program
 - BSCS, 4 Years Program
 - M.Com, 3.5 YearsProgram
 - MA English, 2 Years Program
 - M.Sc. IT, 2 YearsProgram
 - LL.B, 3 YearsProgram
 - LL.B, 5 YearsProgram



○ **MS and Ph.D Programmes**

- MPhil Commerce
- M. Com 1.5 Years
- MBA 1.5 Years (No fresh intake in 2019)
- PhD Commerce (No fresh intake in 2019)

○ **Academic Achievements**

Students of English and Commerce Department achieved Gold Medals in the University Convocation

○ **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 & 0333-8103618

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)
- LLB, 5 Years Semester System

○ **Institutional Linkages**

All the fifth 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.

2

Chapter

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 launched a new Journal “Journal of Indian Studies” in the year 2018. The Centre has organized number of Seminars on different topics of national and international importance.
- During the period from 2018-19, the Centre has organized number of seminars as well as The Centre has published Seven 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	Dr. Abdul Majid	Religious Minorities in South Asia.	2018
2	Prof. Dr. Umbreen Javaid	SAARC: Performance & Challenges	2018
3	Prof. Dr. Umbreen Javaid	The Kashmir Dispute in South Asia.	2018

▪ **Journal South Asian Studies**

Sr. No.	Title	Year
1	Journal of South Asian Studies Vol.33-No.2 (July-December, 2018)	2018
2	Journal of South Asian Studies Vol.34-No.1 (January-July 2019)	2018

▪ **Journal of Indian Studies**

Sr. No.	Title	Year
1	Journal of Indian Studies Vol.4, No.2	July- December 2018
2	Journal of Indian Studies Vol.5, No.1	January-July 2019

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

A Workshop on “Child Marriage and its Impact on South Asian Society”.	Ms. Irum Fatima, Programme Coordinator, Bedari.	08-10-18
A Inauguration Ceremony of “Indian Study Desk”.	Prof. Dr. Niaz Ahmad Akhtar, Vice-Chancellor, University of the Punjab, Lahore.	16-10-18



A Seminar on "Child Bombers: From Innocence to Violence".	Dr. Sohail Habib Tajik, DIG, Sheikhpura.	22-10-18
A Seminar on "Kashmir Issue and Violations of Human Rights".	Justice (R) Faqir Muhammad Khokhar	25-10-18
Signing Ceremony "Mou with Lahore Centre for Peace Research".	Prof. Dr. Niaz Ahmad Akhtar, Vice-Chancellor, University of the Punjab, Lahore. Prof. Dr. Umbreen Javaid & Prof. Dr. Mujahid Ali Mansoori Executive Director, LCPR	08-11-18
A Lecture on "Global Geopolitical Shifts and Pakistan".	Former Ambassador Javid Husain, President, Lahore Council for World Affairs.	28-11-18
A Mehfile- Melad-un-Nabi (SAW)	All the Faculty members and Students of CSAS	30-11-18
A Workshop on "Research Methodology".	Prof. Dr. Khalid Mahmood, Chairman, Department of Library & Information Science, University of the Punjab, Lahore.	03-12-18
A International Seminar on "Ambedkar Vision of Dalit Empowerment Through Education".	Ijaz Alam Augustine, Minister of Human Rights & Minorities Affairs, Punjab Sir Ganga Ram Heritage Foundation, Lahore.	06-12-18
A Lecture on "Benefits of Opening Kartarpur Corridor for Sikh Community of South Asia".	Prof. Dr. Akhtar Sandhu, Department of History, University of Education, Lahore Dr. Kalyan Singh Kalyan, Assistant Professor, GCU, Lahore.	12-12-18
A two days PSIRC 2 nd International Conference "Democracy, Governance and Security: Perspectives from South Asia". Papers Presented=70	Mr. Khurshid Mahmud Kasuri, Former Foreign Minister, Govt. of Pakistan. Prof. Dr. Hassan Askari Rizvi, Professor of Emeritus & Former Chief Minister, Punjab. Mr. Shamshad Ahmad Khan, Former Foreign Secretary, Govt. of Pakistan. Prof. Dr. Umbreen Javaid, Director, Centre for South Asian Studies, University of the Punjab, Lahore.	09 & 10-01-19
A Seminar on "Fellowship of 1947 Partition Archive".	Brig. (R) Khalid Amin Partition Witness & member, The 1947 Partition Archive Foundation.	28-01-19
A Seminar on "Indo-Pakistan peace and Kashmir".	Mr. Ross Masud, Former Legal Advisor, Ministry of Foreign Affairs, Pakistan.	31-01-19



A Seminar on "Fundamental Human Rights and Violations Thereof in Indian Held Kashmir".	Justice (R) Sharif Hussain Bukhari , Currently Working on Kashmir Movement.	26-02-19
A Seminar on "Current Trends of Democracy in the World".	Prof. Dr. Staffan I. Lindberg, Director, V-Dem Institute, Department of Political Science, University of Gothenberg, Sweden.	13-03-19
Programmes on Pakistan Day (23 March) to Celebrate: 1-Discussion of Faculty	Dr. Naheed S. Goraya Assistant Professor, CSAS, P.U. Lahore.	21-03-19
2-Quiz	Dr. Jafar Riaz Kataria Assistant Professor, CSAS, P.U. Lahore.	21-03-19
3- Seminar	Dr. Abdul Majid Assistant Professor, CSAS, P.U. Lahore.	22-03-19
4-Competitions (Debates & Singing National Songs).	Mir Waheed Akhlaq Research Fellow, CSAS, P.U. Lahore.	22-03-19
A Seminar on " Time Mangement in Academic Research".	Prof. Dr. Muhammad Ahsan, Fellow of Royal Society of Arts (FRSA), England.	25-03-19
A two days PSIRC 2 nd International Conference "Democracy, Governance and Security: Perspectives from South Asia". Papers Presented=70	Mr. Khurshid Mahmud Kasuri, Former Foreign Minister, Govt. of Pakistan. Prof. Dr. Hassan Askari Rizvi, Professor of Emeritus & Former Chief Minister, Punjab. Mr. Shamshad Ahmad Khan, Former Foreign Secretary, Govt. of Pakistan. Prof. Dr. Umbreen Javaid, Director, Centre for South Asian Studies, Univeristy of the Punjab, Lahore.	09 &10-01-19
A memorial Seminar on "2 nd Death Anniversary of Prof. Dr. Muhammad Jahangir Tamimi".	Prof. Dr. Umbreen Javiad, Director, CSAS, P.U., Lahore. Justice (R)Nazeer Ahmad Ghazi (Chief Guest), Dr. Tahir Raza Bukhari, D.G. Auquaf (Punjab).	06-04-19
A Lecture on " Future Directions of Pak-Iran Relations".	Ambassador Iqbal Ahmad Khan.	26-04-19
A One National Conference "Kashmir Dispute" in Collaboration with Pakistan Study Centre, University of the Punjab, Lahore.	Mr. Mujeeb ur Rehman Shami, Renowned Journalist Prof. Dr. Adnan Sarwar Khan, Dept. of International Relations, NUML, Islamabad.	21-08-19
A one day Seminar on "Current Crisis in Kashmir".	Former Ambassador Murad Ali	29-08-19



Signing Ceremony "Mou with Pakistan Navy War College.	Prof. Dr. Niaz Ahmad Akhtar, Vice-Chancellor, University of the Punjab, Lahore. Prof. Dr. Umbreen Javaid, Director, CSAS & Commodore Syed Wajeeh ul Hassan	17-09-19
A One day Seminar on "Current Situation in Jammu & Kashmir".	Justice (R) Faqir Muhammad Khokhar, Judge, Supreme Court, Islamabad.	19-09-19
A One day Seminar on "Kashmir and Pakistan".	Brig. (R) Nadir Mir, Chairman, Pakistan National Reform Movement (PNRMO)	26-09-19

○ **Research Journals**

▪ Journal of South Asian Studies Vol. 33 No.2

Authors name	Article name	Journal with session
Kishwar Munir & Iram Khalid	Judicial Activism in Pakistan: A Case Study of Supreme Court Judgments 2008-13	(July-December, 2018)
Bilal Mahmood & Abdul Majid	9/11 as a Symbol of Terror: Responses and Actions	(July-December, 2018)
Rizwan Qaiser Danish, Muhammad Khalid Khan, M. Muddasar Ghafoor, Ishfaq Ahmad, Asad Afzal Humayon & Saqib Aslam	Impact of Brand Loyalty in Assessing Purchase Intentions of a Customer: A Study of Automobile Industry in South Asian Perspective	(July-December, 2018)
Shehzadi Zamurrad Awan	Placement of Pakistani Women during Democratic Regimes: 1988- 2018	(July-December, 2018)
Naeem Ullah Khan	Constitutional Manacles on Superior Court's Jurisdiction and Recent Scenario on Public Interest Litigation in Pakistan	(July-December, 2018)
Ahmed Saeed Minhas, Farhat Konain Shujahi & Ghulam Qumber	Prospects of Internationalizing Nuclear Security: An Appraisal	(July-December, 2018)
Asifa Jahangir & Umbreen Javaid	Afghanistan Imbroglio: The Unintended Consequences of Foreign Interventions	(July-December, 2018)
Temoor bin Aslam, Yaamina Salman, Sidra Irfan & Nasira Jabeen	Smart Cities – A Multidisciplinary Perspectives Model	(July-December, 2018)
Kamran Abid, Nabeel Sabir Khan, Uzma	A Roadmap to Elevate Pakistan Sign Language	(July-December, 2018)



Farooq, Muhammad, Shoaib Farooq, Muhammad Azhar Naeem & Adnan Abid	among Regional Sign Languages	2018)
Salma Umer, Muhammad Junaid Ghauri & Hassan Nawaz	Exploring the Image of Muslims in India	(July-December, 2018)
Khalil-Ur-Rahman, Zahida Habib & Jafar Riaz Kataria	Factors Affecting Performance of Primary Schools Teachers in Terrorism Affected Areas: A case of District Swat	(July-December, 2018)
Khalid Manzoor Butt & Naeema Siddiqui	Compatibility between Islam and Democracy	(July-December, 2018)
Mudassir Mukhtar & Khurram Shahzad	Professional Roles of Public Relations in South Asia: A Comparative Analysis of Public and Private Sectors of Pakistan	(July-December, 2018)
Muhammad Imran Rashid , Umbreen Javaid and Muhammad Shamshad	Pakistan-US Relations after 9/11: Points of Divergence	(July-December, 2018)
Kishwar Naheed & M. Naeem Mohsin	Role of Academic Leadership in Raising Quality of Education at Tertiary Level in Pakistan	(July-December, 2018)
Arshad Mahmood & Shaheen Akhtar	TTP'S Safe Havens in Afghanistan: A Constant Threat to Pakistan's Internal Security	(July-December, 2018)
Muhammad Akram Soomro & Bushra H. Rehman	Reasons to Remedies: Framing of Terrorist Attacks in Major Urdu and English Newspapers of Pakistan	(July-December, 2018)
Javed Sami, Syed Amer Mahmood, S. M. H. Raza & Shahid Ghazi	Socio – Political Context and Inferences from Remote Sensing in South Asia: A Study of Tectonic Induced Surface Deformation in SE- IKSZ	(July-December, 2018)
Rana Eijaz Ahmad	Politics of Persuasion and Power in the Political and Apolitical Institutions of Pakistan (2008-18)	(July-December, 2018)

■ Journal of South Asian Studies Vol. 34 No.1

Authors name	Article name	Journal with session
Usman Bashir, Iram Khalid	Religion and Electoral Politics in Punjab: A Case Study of 2018 General Elections	January-June, 2019
Nazir Hussain, Amna Javed	The Contours of New Regional Alignments in South Asia	January-June, 2019



Qamar Fatima, Iram Naseer	A New Era of Multiculturalism and the Role of China's Belt and Road Initiative (BRI) in 21st Century	January-June, 2019
Shoukat Ali, Abdul Majid	Socio-Political History of Nepal: A Case Study of Nepali Local Government System	January-June, 2019
Fouzia Hadi Ali, Aban Abid Qazi	Can Social Media Platforms Enable Co-Creation as a Tool in Political Marketing? The South Asian Context	January-June, 2019
Sanwal Hussain Kharl, Khizar Abbass Bhatti, Khalid Manzoor Butt & Xiaoqing Xie	Contemporary Counter Terrorism in Pakistan and its Efficacy	January-June, 2019
Ammara Tabassum, Umbreen Javaid	Christians in Pakistan- A Developmental Approach: (Pre & Post Partition of India)	January-June, 2019
Nomana Zaryab, Rana Eijaz Ahmad	Punjab Public Library: An Amalgamation of Mughal and Colonial Architecture and its Impact on the Politics of the Subcontinent	January-June, 2019
Syed Shahbaz Hussain, Ghulam Mustafa Government College, Robina Khan, Muhammad Azhar	Issues and Challenges of Peace Building in South Asia	January-June, 2019
H.S. Sharif, Jafar Riaz Kataria	Freedom of Expression and Justiciability in Pakistan	January-June, 2019

▪ Journal of Indian Studies Vol.4-No.2

Authors name	Article name	Journal with session
by Awais Akhtar & M. Najam ud Din Farani	Religious Policy of Emperor Shahjahan (1627-1658AD)	(July-December, 2018)
by Arfan Latif, Shoukat Ali & Zubaida Zafar	Extent and Magnitude of Child Labor in South Asia: Analyzing the Worst Forms of Child Labor in Pakistan	(July-December, 2018)
by Omer Shabbir, Fazal Abbas & Rabia Munir	The Indian Footprints in Afghanistan	((July-December, 2018)
by Muhammad Muzaffar, Zahid Yaseen & Aisha Ahmad	Child Marriages in Pakistan: Causes and Consequences	(July-December, 2018)
by Sawaira Rashid, Muhammad Ikram & Rabia Bashir	Geo-political realities of South Asia in perspective of US- India strategic Partnership	(July-December, 2018)
by Muhammad Saeed Meo, Vina Javed Khan & M. Rizwan	India-Pakistan Political Relationships; a Water War between Neighbor Countries	(July-December, 2018)



by Zubaida Zafar, Shoukat Ali & Sheeba Irfan	Origin of "Hindutva" and Its Reflections in Modi's Doctrine	(July-December, 2018)
by Aamir Zamir Kamboh, Yasir Kamal, Qasim Ali Nisar & Muneeb Ahmed Kamboh	Kartarpur Corridor: A New Role for Political Marketing	(July-December, 2018)
by Fazal Abbas Awan, Asia Saif Alvi, Omer Shabbir, Rabia Munir, Ramsha Asif & Sonia Ashraf	Role of Media as a Counter Narrative to Indian Propaganda: An Analysis of PTV Current Affairs Program	(July-December, 2018)
by Muhammad Akram Zaheer	Constitutional Developments and Challenges to Autonomous and Self-governing System of Gilgit-Baltistan	(July-December, 2018)

■ Journal of Indian Studies Vol.5-No.1

Authors name	Article name	Journal with session
Shabbir Hussain, Ahmed Usman, Ume Habiba, Aaisha Amjad & Uzair Amjad	Hate Crimes against Muslims and Increasing Islamophobia in India	January-June, 2019
Adnan Tariq	Indology and Indologist: Conceiving India during Eighteenth and Nineteenth Centuries	January-June, 2019
Malik Shahzad Shabbir, Maleeha Kiyani & Aniq Zeb	Impact of Terrorism on Exclusive Indian Economy	January-June, 2019
Muhammad Omer Shabbir, Rabia Bashir & Sara Saleem	Geo-Strategic Importance of Indian Ocean: Clash of Interests between China and India	January-June, 2019
Aisyha Safdar & Shireen Mushtaq	Hindu Nationalism: Punitive Political Ideology of the Modern State of India	January-June, 2019
Arfan Latif, Shoukat Ali & Zubaida Zafar	Modernization and Status of the Aged People in South Asia: A Mixed Methods Investigation from Pakistan	January-June, 2019
Fazal Abbas Awan, Asia Saif Alvi & Rabia Munir	Delhi-Kabul Nexus: Regional Dynamics and Geopolitical Perspective (with reference to Pakistan)	January-June, 2019
Hafiz Muhammad Farhan Zafar Gorski & Rabia Bashir	9/11 Terrorist Incident: US Attitude towards India and Pakistan	January-June, 2019



Muhammad Shoaib	Revisiting Indo-Pak History, Gender and Power Relations through Food Tropes in Kamila Shamsie's Novel Salt and Saffron	January-June, 2019
Nauman Sial, Yasar Arafat & Abid Zafar	Pakistan in the Bollywood Movies: A Discourse Analysis	January-June, 2019

UNIVERSITY COLLEGE OF ART & DESIGN

- **Projects:** Completed
 - “Contemporary Art in Pakistan-II” (2017) sponsored by the Punjab University, Lahore.
 - “Historic Muslim Tombs in Pakistan” (2017) sponsored by the Punjab University, Lahore.
- **Projects:** New Launched
 - Prof. Dr. Shahida Manzoor has launched a new project entitled “Contemporary Art in Pakistan (Part-III)” (2018) sponsored by the Punjab University, Lahore.
 - Prof. Dr. Shaukat Mahmood has launched a new Project entitled “Hisab al-Jummal and Chronograms in Islamic Monuments” (2018) sponsored by the Punjab University, Lahore.
- **Research Publication**

Sr. No	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.
1	Pervez Amjad	Patang: The Fighter Kite of Punjab, Pakistan	KHOJ	
2	Pervez Amjad	Kites, Kite Flying and Kite Fighting in Punjab Culture, Tradition and Basant.	South Asian Studies	33
3	Pervez Amjad	Origination Development and the types of Islamic Calligraphy (Khatt Writing)	Al-Adwa	XXXIV
4	Pervez Amjad	Taxonomy and Traditional Surface Design Patterns in Patang	Bazyaft	32
5	Pervez Amjad	The Dar Making Traditions and its significance in Kite Flying Culture of Punjab.	KHOJ	1(41)
6	Alam, Nadeem and Amjad Pervez	Gates of Lahore as the Major Subject for Prominent visual artists of Pakistan.	KHOJ	1(41)
7	Malik Aqsa and Amjad Pervez	The Gestalt Principles in contemporary art of Pakistan Art	TAHQIQ	39
8	Naela Amir	The Rise and Fall of the Tradition of Woodcarving in the sub continent	Journal of Punjab University Historical Society	1(39)
9	Muhammad Asghar, Sumera Jawad, Muhammad Arshad and Farwa Batool	The Reciprocity of Gifts: A Comparative Study of Polatch VS Bartan Bhanji	The Historian	16



10	Ahmad Bilal	Oppositional Cultural Elements in the Emergent Cinema of Pakistan	South Asian Popular Culture Taylor and Francis	1(16)
11	Ahmad Bilal	Words in the Making of Effective Advertisement	Oriental College Magazine	3(93)
12	Ahmad Bilal	Pakistani Theatre: A Unique Cultural For of South Asia	Research Journal of South Asian Studies	1(33)
13	Ahmad Bilal	Munnu Bhai: An and beyond through Portraiture	Journal of the Punjab University Historical Society	1(31)
14	Ahmad Bilal	Munnu Bhai Portraiture	Journal of Historical Society	31
15	Ahmad Bilal	پنجابی نمائندہ کا سینما پاکستانی مرد	Parakh, Department of Punjabi, LCWU	5
16	Ahmad Bilal	Filming Pakistan in Zero Budget	Journal of Research (Humanities), English Department, University of the Punjab	LIV
17	Rakae R. Jamil	Generations of Audio Work through the digital term in contemporary Pakistan	Music cultures	
18	Nadia Majid	Effect of peer assessment of creative writing on students' learning (Abstract Published in the Book of Abstracts)	Book of Abstracts of Allama Iqbal Open University Islamabad.	

Note: In case the research paper is co-authored, kindly include all the names of co-authors in one column and do not repeat individually.

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

- Farhat Imran Chairperson International Reading Council along with his President Ali Hassnain was invited to conduct a workshop Regarding reading skills and importance of reading At College of Art & Design, University of the Punjab, Dated: November 29, 2018
- Seminar by Mr. Ali Aslam Day & Date: Tuesday, January 15, 2019 Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.



- One day seminar on "Creative Copy Writing and Public Speaking" by Ms. Sadia Sarmad
Dated: Wednesday, February 13, 2019
Venue: Anna Molka Art Gallery, College of art & Design. University of the Punjab, Lahore.
- One day Seminar On Cancer awareness
By Dr. Hamid
Day & Date: Wednesday, February 13, 2019
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Mr. Quddus Mirza
Dated: November 22, 2018
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Mr. Jamal e Mustafa
Time: 12:00 pm
Day & Date: Wednesday December 19, 2018
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Mr. Quddus Mirza
Dated: November 22, 2018
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Ms. Rukh e Neelofer Zaidi
Time: 12:30 pm
Dated: November 29, 2018
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Mr. M Ayub
Day & Date: Tuesday December 18, 2018
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Artist Talk by Mr. Irfan Hassan
Time: 12:30 pm
Day & Date: Tuesday January 08, 2019
Venue: Lecture Hall, College of art & Design. University of the Punjab, Lahore.
- Exhibition
Opening ceremony of group exhibition with the title "Face Off "
Prof. Dr. Shahida Manzoor (Principal College of Art & Design) inaugurated the show as a Chief Guest
Dated : 12-10-18
venue: Mussawir Art Gallery, Packages Mall, Lahore.
- Exhibition
Prof. Dr. Shahida Manzoor (Principal College of Art & Design) visited the exhibition of paintings with the title "Splendor of Nature"
by Dr. Samina Nasim at Hamail Art Gallery, Lahore.
Dated: 12th October, 2018.



- Exhibition
Prof. Dr. Shahida Manzoor (Principal College of Art & Design) visited the Annual Exhibition of the Naqsh School of Arts at Alhamra Arts Council, Mall road Lahore
Dated: November 7, 2018.
- Exhibition
Opening ceremony of a Mphil thesis show by Ms. Anam Mukhtar
Prof. Dr. Shahida Manzoor (principal College of Art & Design) inaugurated the show
Dated: November 22, 2018
Venue: Anna Molka Art Gallery, College of Art & Design University of the Punjab.
- Exhibition
Prof. Dr. Shahida Manzoor (principal College of Art & Design) inaugurated the thesis display of Mphil by Ms. Saba Shaukat at Anna Molka Art Gallery PUCAD
Dated: December 6, 2018.
- Exhibition
The Degree show of BFA Graphic Design, 2018 was inaugurated by The vice Chancellor prof. Dr. Niaz Ahmed Akhtar at the College of Art & Design
Dated: December 21, 2018
- Textile Degree Show" MFA (2017-2019), BFA (2015-2019)
Venue: the grand hall, College of Art & Design, Punjab University Lahore
Dated: 27th June, 2019
- A group show of the faculty members of College of Art & Design, Punjab University at Nomad Art Gallery, Islamabad
Date: 31st January, 2019
- MFA Visual Arts mini Thesis Display at the College of Art & Design, University of the Punjab
Dated: February 21, 2019
- "VISUAL METAPHORS" A Solo Exhibition By Saima Asghar
On Shakir Ali's 103rd Birth Anniversary
Chief Guest: Prof. Dr. Shahida Manzoor
Principal College of Art & Design, University Of The Punjab
Guest of Honor: Abdul Rauf
Ex-Chairman Punjab Public Service Commission
Dated: Wednesday, March 6th, 2019,
Venue: Shakir Ali Museum, Lahore, Shakir Ali Lane, 93 Tipu Block, New Garden Town, Lahore, Pakistan.
- Prof. Dr. Shahida Manzoor (principal College of Art & Design) inaugurated the Exhibition of Paintings
Regarding women's International Day celebrations by the students of BFA Painting
Dated: 11th March, 2019
Venue: Anna Molka Art Gallery, College of Art & Design, University of the Punjab Lahore



- A group show with the title: "Echo of the Souls"
Prof. Dr. Shahida Manzoor inaugurated the show
Venue: Anna Molka Art Gallery, College of Art & Design University of the Punjab.
Dated: 14th March, 2019
- Opening Ceremony of Exhibition "KARBATH 02"
Honorable Guests
Prof. Dr. Shahida Manzoor Principal (College of Art and Design Punjab University Lahore) & Mian Ijaz-ul-Hassan (Chairman Artist's Association of Punjab & National Artist's Association of Punjab)
Venue: Mussawir Art Gallery
14 G, Packages Mall, Lahore, Pakistan.
Dated: 21st march 2019
- Prof. Dr. Shahida Manzoor (Principal College of Art & Design) inaugurated the group show by Amna Waqas, Lala Rukh Khan, Mehwish Hooria and Shamsa Kanwal
Dated: 24th April, 2019
Venue: Minhas Art Gallery, GC University Lahore
- Opening Ceremony of the "CANVAS & COLLEAGUES"
The exhibition of past and present faculty members of the College of Art & Design, Punjab University at grand hall of PUCAD
Dated: May 03, 2019
- Formal Visit Chinese delegate from Sahiwal Coal-Fired Power Plant visited the College of Art & Design and invited the faculty and students to visit there Power Plant.
Dated: October 11, 2018.
Orientation of M.Phil at Research center College of Art & Design, University of the Punjab. Dated: October 22. 2018.
- Formal visit of Prof Dr. Zaffar Mueen Nasar (former Vice Chancellor of College of Art & Design) Venue: College of Art & Design Dated: November 20, 2018.
- Alumni first-ever reunion function with the corporation and the facilitation of Vice Chancellor/Patron-in-Chief on Saturday December 08, 2018 at Punjab University.
- Mix event College of Art and Design has organised an event to pay tribute to "Khalid Iqbal" on the 7th February 2019. If any faculty member wants to share their memories in any form i.e. photo graph, video or verbally, is welcomed to do so.
- contact: Dr. Sumera Jawad and Nadeem Alam
Remembering "Munnu Bhai"
Date: 1st February, 2019 @ Time: 3pm
Alhamra Arts Council , Mall road , Lahore
- Mix event, Prof. Dr. Shahida Manzoor (Principal), faculty and students of the College of Art & Design organised an Event to commemorate the life and work of Khalid Iqbal "The Maestro of Landscape Painting in Pakistan" The event was organized in the Grand Hall of the College.



- Mr. Zulqarnain Haider was the Chief Guest and Ms. Sabiha Haider was the Guest of Honour. The Speakers include Dr. Munawar Ahmad, Dr. Rahat Naveed Masud, Dr. Shaukat Mahmood, Mr. Shahnawaz Zaidi, Dr. Khalid Mahmood, Dr. Safia Farooq, Dr. Musarrat Hassan and Dr. Rafia Tahir.
Dated: 7th February, 2019
- Visit Mr. Sultan (Sadequain's nephew) visited the College of Art & Design, University of the Punjab. on February 13, 2019.

DEPARTMENT OF ARCHAEOLOGY

○ **Publications:** Books/ Edited

Research Journal

- "Ancient Punjab" Research Journal, Department of Archaeology University of the Punjab (four volumes are in process of publication)

Articles Published by Faculty Members

- Dr. Muhammad Hameed
- Mr. Nafees Ahmad
- Ms. Samia Tahir
- The Concept of Colonial Decorative Schemes, Motifs and Elements: A Case Study of Lahore Museum. Published in *Pakistan Heritage*, Vol10, 2018.
- British Architecture of Lahore: An Introductory Note of Their Religious and Educational Buildings. Published in *Journal of Punjab University Historical Society*, Vol 31, Issue no 1. (Jan-June, 2018).
- **Ms. Saira Ramzan**
Maryam Zamani Mosque and Human Vandalism. Published in *Pakistan Archaeology*, Vol 33, 2018.

M.Phil Thesis 2018

Sr. No.	Name of Student	Thesis Title	Supervisor Name	Session	Result declared
1	Ms. Kaniez Fatima	An Architectural study of "Saint Marry Magdalene Church Lahore Cantt."	Dr. M. Hameed	2014-2016	10-05-2018
2	Ms. Faiza Amin ul Din	An Architectural study of Tomb of Anarkali	Dr. M. Hameed	2014-2016	10-05-2018
3	Mr. Tajammal Abbas	Development of Pakistan Railway in Lahore and its impact on Archaeological Heritage.	Dr. M. Hameed	2014-2016	04-06-2018
4	Ms. Komal Farrukh	Mughal Hamams in Lahore: "A case study of Wazir Khan Hamam, Dehli gate, Lahore.	Dr. M. Hameed	2014-2016	04-06-2018



5	Mr. Muhammad Ashfaq	An analysis of Sikh architecture with special reference to the secular buildings of Lahore fort.	Dr. M. Hameed	2014-2016	04-06-2018
6	Ms. Farah Diba Khan	History and Architecture of HiranMinar"	Prof. Dr. Tauqeer Ahmad	2013-15	30-07-2018

M.Phil Thesis 2019

Sr. No.	Name of Student	Thesis Title	Supervisor Name	Session	Result declared
1	Mr. Umar Hanan	Jaina Temple, Virawah: Art and Architecture	Dr. Muhammad Hameed	2017-2019	11-03-2019
2	Mr. Asif Mahmood Rana	Jaina Temple, Nagara Parkar: Art & Architecture	Dr. Muhammad Hameed	2017-2019	11-03-2019
3	Ms. Rubiqa Abid Bukhari	Sri Parsvanath Jain Svetambara Mandir, Multan: History and Architecture	Dr. Muhammad Hameed	2017-2019	11-03-2019
4	Ms. Faiza Khan	Tomb Architecture of Noor Jahan	Prof. Dr. Tauqeer Ahmad	2014-2016	19-03-2019
5	Ms. Asma Sarfraz	Commemorative Coins of Jahangir: A Case Study of Lahore Museum	Dr. Muhammad Hameed	2016-2018	23-08-2019
6	Ms. Rabia Saghir	Lighting System in Museums: An Analytical Study of Lighting of Lahore Museum.	Dr. Muhammad Hameed	2016-2018	23-08-2019
7	Ms. Sunbal Muhammad Aslam	Ali Mardan Khan Tomb: History & Architecture	Prof. Dr. Tauqeer Ahmad	2016-2018	23-08-2019

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

- Introduction to Hindu Iconography" by Haji Abdul Aziz Farooq. Former Director, Department of Archaeology and Museum, Government of Pakistan. (March, 2019).
- Mr. Kamran Shahid (Motivational Speaker) on the topics of a. Personality Development, b. Effective Communication and c. English Empowerment for the grooming of students to enable them facing future challenges and getting success. (Feb. 2019)
- "Introduction to Hind Gods and Goddess" by Haji Abdul Aziz Farooq. Former Director, Department of Archaeology and Museum, Government of Pakistan. (February 2, 2019).
- **"Significance of Field Archaeology"** by Mr. Afzal Khan (Deputy Director, Department of Archaeology, Government of Punjab, Lahore (Dec. 2018)

Lecture Organized (International)

- "History of Art in China and Pakistan" by a delegation of 9 Professors from Institute of Fine Art, Changsha Normal University China. (November 27, 2019).
- Special Lecture by Dalvir Singh Pannu about his book "The Sikh Heritage beyond Borders". (November 6, 2019).



- Images and Conventions in Ghandharan Buddhas” by Prof. Dr. Juhung Rhi (Seoul National University, Korea (Feb. 2019)

Workshops and Conference Organized by Department of Archaeology

- Department of Archaeology, University of the Punjab joined hands with Museums Association of Pakistan (MAP) and organized **5th All Pakistan Museums conference**, held at Nazria e Pakistan from 21-22 November 2019.
- Three Days Workshop on Pottery Manufacturing Techniques, Pottery Drawing and Photography (September 25-27, 2019)

Lectures were delivered during workshop by the Following scholars:

- Dr. Muhammad Rafique Mughal (SI) (Ex-Director General, Department of Archaeology and Museums, Government of Pakistan)
- Dr. Muhammad Hameed (Incharge/Associate Professor, Department of Archaeology, University of the Punjab)
- Dr. Zubair Shafi Ghauri (Managing Director, Pakistan Railways)
- Mr. Afzal Khan (Ex-Director, Department of Archaeology, Government of Punjab)
- Mr. Nafees Ahmad (Lecturer, Department of Archaeology, University of the Punjab)
- Mr. Amjad (Photographer, Department of Archaeology, Government of Punjab)
- Mr. Nazir (Surveyor and Draftsman, Department of Archaeology, Government of Punjab)

Study Tours/Field Work

- Study tours of Lahore Museum at different occasions to guide the students about Museology.
- Study tour of Azad Kashmir
- Study tour of Nandana Temple, Salt Range.
- Study Tour of Islamabad, Taxila and Swat
- Survey and documentation of archaeological sites in Tharparker
- Survey and documentation of archaeological sites in Thal (Khushab)
- Survey and documentation of archaeological site; Naarri (Mianwali)
- Excavation at archaeological mound of Shorkot

Workshops and Trainings attended by the Faculty Members (National)

Dr. Muhammad Hameed

- 1st National workshop on **Heritage and Tourism** Organized by WCLA. (November 24, 2019)
- **Archaeological Excavation Training** in Lahore Fort organized by Sir Agha Khan Trust for Culture and Lahore Walled City Authority (December 2019)

Mr. Nafees Ahmad

- Archaeological Excavation Training in Lahore Fort organized by Sir Agha Khan Trust for Culture and Lahore Walled City Authority (December 2019)



- One day Workshop on “Does Your Publication Facilitate to Improve Professional Experience or Just a Contribution” Organized by ORIC (August 22, 2019)
- Attended one day workshop on “How to approach and manage Funded Research Projects” organized by ORIC (June 18, 2019)
- Participated in a workshop on SCOPUS Database organized by Punjab University Main Library. (February 20, 2019).
- Participated in Faculty Orientation Program organized by Institute of Administrative Sciences, University of the Punjab. (September 4-7, 2018)0

Ms. Samia Tahir

- One day Workshop on “Does Your Publication Facilitate to Improve Professional Experience or Just a Contribution” Organized by ORIC (August 22, 2019)
- Attended one day workshop on “How to approach and manage Funded Research Projects” organized by ORIC (June 18, 2019)
- Attended one day workshop on Semester Rules, Regulations and Their Effective Implementation at Institute of Administrative Sciences. (March 16, 2019)
- Participated in a workshop on SCOPUS Database organized by Punjab University Main Library. (February 20, 2019).
- Participated in Faculty Orientation Program organized by Institute of Administrative Sciences, University of the Punjab. (September 4-7, 2018)

Ms. Saira Ramzan

Foreign Trainings/Presentations of Faculty

- **Dr. Muhammad Hameed (Associate Professor)**
Presented paper on Archaeological Excavations at Shorkot Mound in 48th Annual Conference on South Asia, University of Wisconsin, Madison, USA (Oct.2019)
- **Ms. Samia Tahir (Lecturer)**
Participated in three week summer training programme on **Monetary History and Numismatics** organized by Suna&Inan Kiraç Research Centre for Mediterranean Civilizations (AKMED), Koc University, Turkey. (June -July , 2018)
- **Nafees Ahmad (Lecturer)**
 - 6 weeks training on (i) Pottery Analysis Techniques and(ii) Teaching in Archaeology
Venue: University of Wisconsin, Madison, USA (April-May 2019)
 - Delivered a lecture to the students of Department of Anthropology, University of Wisconsin, Madison, USA on Field Archaeology Techniques in Pakistan.

Paper Presentation in conferences by Faculty Members

Dr Muhammad Hameed

- 10th International THAAP Conference: Citizen and the city (November 1-3, 2019).
- 5th All Pakistan Museums Conference at Aiwan e Quaid e Azam Lahore, organized by MAP(21-22 November 2019)
- First Kashmir Conference, Azad Jammu Kashmir. January 4, 2019



DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - **Prof. Dr. Amra Raza, Chair**
 - *International:* Prof Dr Amra Raza presented a coauthored paper titled National Narrative and America: Political World Making in Benazir Bhutto's "Daughter of the East", ShafaatYar Khan and Dr. Amra Raza. An International Conference on "Interactions & Interchanges: Literature, Culture and Globalization". Kinnaird College Lahore in Collaboration with Arizona State University. 06th – 08th December 2018.
 - *International:* Conference: Session Chair First International Conference Voices From the Periphery: Literature & Language organized by Forman Christian College, Lahore. October 17th – 18th 2019.
 - *International:* Session Chair at Second International Conference on Social Sciences and Humanities organized by Kinnaird College for Women 24th – 26th October 2019. Session Chair: 24th October, 2019.
 - *International:* Presented coauthored paper titled *Post Human Bio Politics: The Discourse of the Drone in Contemporary Pakistani Fiction* at 11th Beyond Humanism Conference, Lille France 09-12 July, 2019. Critical Post humanism and Transhumanism: The Post human paradigm Shift.
 - *International:* Nida Ahsan & Prof. Dr. Amra Raza. *A Spatial Exploration of Omnipresent City in Desai's Fiction* Research Paper presented at ICDELL 2019 Abstract Book the International Conference of Department of English Language & Literature at University of Management & Technology, Lahore, Pakistan on (06th – 07th April, 2019).
 - *International:* Interviewed ShadabZeest Hashmi the Poet on the Evolution of the English Ghazal at International Lahore Literary festival on 22nd – 24th February, 2019.
 - *Organized:* Dr Bryan Reynolds (Chancellor's Professor and Claire Trevor Professor of Drama, University of California, Irvine) came delivered a guest lecture titled "Performance Activism, Transversal Potentialities" on September 6, 2019.
 - *Organized:* Dr Ayesha Leghari's talk on the Meaning of Pakistan: Iqbal's on 09th March, 2019.
 - *Organized:* Dr Naila Sahar, Fulbright Scholar, Delivers a Talk on Feminist Exegesis and Muslim Women's Agency on 27th March, 2019
 - *Workshop:* Senior members from Amal Academy came to the English Department to conduct a workshop on Amal Career-Prep Fellowship programme on 22 November, 2018.
 - *Organized:* Professor RaziAbidi, one of the former Chairpersons of the Department of English PU, Lahore, visited the Department to deliver a lecture to the students



on 22 February, 2019. He has been training students in the subject of English for the CSS examination.

- *Organized:* Prof. Dr. Amra Raza, Chairperson, Department of English Language and Literature, reviewed the book, *Ghazal Cosmopolitan: Ghazals and Essays on the Culture and Craft of Ghazals* (2017) by ShadabZeest Hashmi in her talk at PU Library Book Club on 16 January, 2019.
- *Seminar:* The Institute of Languages, PU, initiated an outreach seminar by conducting presentations about the importance and possibilities of learning different Pakistani and international languages on 22 November, 2018.
- *Organized:* Department of English students organized a seminar on Fasting, highlighting the benefits and significance of fasting, Dr. KhurshidAlam (Asst. Prof.) spoke on true meaning of Saum and its scope on 7 May, 2019.
- *Organized:* The Department of English Language and Literature arranged a Cultural Day. The objective was to showcase and promote a variety of cultures that exist in Pakistan and develop an atmosphere of peace and harmony on 4th April, 2019.
- *Organized:* The Department of English Language and Literature, English Literary Society (ELS), organized a Bilingual Poetry Recital Competition on 18 March, 2019.
- *Organized:* The English Literary Society (ELS) organized an Essay Writing Competition on topics of literary production, readership, and canon-formation on March 21, 2019.
- *Organized:* The English Literary Society (ELS) held an Urdu Debating Competition among students at the Department of English on 31 January 2019.
- *Organized:* The Sports Day of the Department of English Language and Literature 2018 was organized on 7 March, 2019.
- *Organized:* The Department of English Language and Literature has been a pioneer in taking creative initiatives by hosting the first ever TEDx event of University of the Punjab in 2017. Continuing the legacy of 2017, the Department held the second TEDxPunjabUniversity on 01 December, 2018.
- Dr Khurshid Alam presented a paper titled “ Politics of Silence: A Critical study of Noor” at an international conference at University of Lahore in April 2019.
- Dr. Rizwan Akhtar, Assistant Professor
 - delivered a talk on the canon of Pakistani poetry in English at Lahore College Women University on 20th December 2018.
 - delivered a talk titled, “The Canon of Pakistani Poetry in English: An Evening with the Poet Rizwan Akhtar” at Forman Christen College University on 15th November 2018
- Zoya Jamil Chaudhry, Lecturer
 - chaired the session, “Inner Fabric: Metaphor and Iteration in Definitions of Self” at the Conference, *Narratives of Temporality: Continuities, Discontinuities, Ruptures*. Robinson College, Cambridge University, 27th July 2019. 27th July 2019.



- presented the paper titled, “Subverting the Narratives of Feminist Discourse: A Study of Margaret Atwood’s *The Handmaid’s Tale*” at the Conference, *Narratives of Temporality: Continuities, Discontinuities, Ruptures*. Robinson College, Cambridge University, 27th July 2019.
- moderated the talk titled, “Feminist Exegesis and Muslim Women’s Agency” by Dr Naila Sahar at the Department of English Language and Literature. 27th March 2019.
- Moderated the book launch of Assistant Professor Iffat Sayyed’s Book *Three Contemporary Artists*. Moderated panel discussion with Iffat Sayyed, Yasmin Hameed, Dr Rizwan Akhtar and Herra Khan on 14th November 2019.
- Amna Umer Cheema, Assistant Professor
 - chaired the session “Distant Realities: Romantic Characterizations of Gender Roles” at the *International Conference on Gender Studies: "Gender, Citizenship and Ethnicity"* at Lucy Cavendish College, University of Cambridge.
 - presented the paper, “Elizabeth Bishop and the Watery Discourse: The Semiotic Chora at Play” at the *International Conference on Gender Studies: "Gender, Citizenship and Ethnicity"* at Lucy Cavendish College, University of Cambridge.
- Dr. Khurshid Alam, Assistant Professor, presented his paper titled "Politics of Environmentalism: A Critical Study of Twilight in Delhi", in University of London, England.
- Momina Masood, Lecturer
 - performed a reading of essay “Of Dark Rooms and Foreign Languages” at the Queer Futures Workshop at Lahore University of Management Sciences (LUMS), Lahore, March 15, 2019 (Oral presentation)
 - performed a reading of her essay “Zohra; Or How I Learned to Love and Write the Body” as part of the Emerging Practitioners Program in association with the exhibition “Is It Possible to Live Outside Language?” at the Indus Valley School of Art and Architecture on August 29, 2019 (Oral presentation)
 - co-led a workshop on “Thinking Memory and Autobiography” as part of the Emerging Practitioners Program in association with the exhibition “Is It Possible to Live Outside Language?” at the Indus Valley School of Art and Architecture on August 31, 2019
 - participated in the Queer Feminisms Writing Workshop organized by Kohl held in Lebanon from Nov 29 to Dec 3, 2019 to workshop my creative nonfiction essay titled “Zohra; Or How I Learned to Love and Write the Body”
- Hooria Liaquat
 - presented the paper titled “Reinvention of Subaltern Historiography in *The Dreams of Tipu Sultan*” in the International Conference Interactions and Interchanges: Literature, Culture & Globalization organized by Kinnaird College for Women in collaboration with Arizona State University, 6-8th December 2018.



- Hooria Liaqat and Dr. Aamir Aziz. Virtual presentation of the paper “From Grace to Disgrace: A Postcolonial Perspective on the Reversal of Roles in J. M. Coetzee’s *Disgrace*”. Postcolonial Studies Association Convention, University of Manchester, 11-13 September 2019.
- organized a seminar by Amal Academy on the Navigation of Professional Journey on 22nd November 2018.
- department organised a seminar by Oxford University Press on Anti-piracy on 10th October 2019
- organised a workshop by Shadab Zeest Hashmi on ‘English *Ghazal* Writing’ on 21st February 2019
- the Department held the second TEDx Punjab University on 1st December 2018. This year’s theme was “*Longing for Spring*”; spring denotes hope and longing expresses the constant human struggle in life.

○ Research Journals

- Prof. Dr. Amra Raza
 - The Exploration of Bakhtin’s Literary Chronotopes and the Metaphoric Models of Power and Victimization by Zakia Reshidi and Prof. Dr. Amra Raza Journal of Research (Humanities) Issue Vol. LV Jan. 2019.
 - Criminal Continuum in Caleb Carr’s *The Alienist* by Muhammad Furqan Tanvir and Prof. Dr. Amra Raza Journal of Research (Humanities) Issue Vol. LV Jan. 2019.
 - Dialogic Construction of Syncretic Identity in Derek Walcott’s Select Plays by Shahzeb Khan and Prof. Dr. Amra Raza Journal of Research (Humanities) Issue Vol. LV Jan. 2019.
 - Presented the paper “A Spatial Exploration of Omni Preset City in Desai’s Fiction at the Conference ICDELL, UMT, April, 2019”.
- Dr. Shamaila Dodhy

“From Domestic Abuse to Attachment Relations: Importance of Safe Haven in Zelda Lockhart’s *Fifth Born*” Journal of Research (Humanities) 55 (2019): 111-120. ISSN- 1812-1128 (Print). E-ISSN: 2522-6851.
- Ayesha F. Barque
 - “Forthcoming “Demons in Maki Kureishi” accepted for publication in *South Asian Review* (publishing contract signed in 2018)
 - 2019 “The Rebel.” *The Aleph Review*. Page 93.
 - 2019 “Relics.” *Poetry Salzburg Review*. No. 33. Page 65.
- Dr. Khurshid Alam
 - Periodizing the National History/ies: A Comparative Study of Ahmed Ali’s *Twilight in Delhi* and Mumtaz Shahnawaz’s *The Heart Divided*. (Journal of the Research Society of Pakistan Volume No. 55, Issue No. 2 (July - December, 2018)



- Comparative Study of Feminist Voice in *The Handmaid's Tale* and *The Bell Jar*. Zoya Jamil and Khurshid Alam. *Journal of Research and Humanities*. Department of English, University of the Punjab, Lahore. (Volume LV January 2019)
- Dr Aamir Aziz (Journal Articles)
 - Aamir Aziz and Sulaim Sarfraz (2018). "Gender Politics and Dualistic Othering: Possession, Christianity and the Repudiation of the Maternal/Feminine in Desire Under the Elms" in *The Journal of South Texas English Studies* Summer 2018 issue, themed "Confronting and Combatting Othering in English Studies."
- Zoya Jamil Chaudhry
 - Zoya Jamil, and Khurshid Alam. "Comparative Study of Feminist Voice in *The Handmaid's Tale* and *The Bell Jar*", *Journal of Research (Humanities)*, vol. LV. Jan 2019.
 - Mustafa, Rizwan, and Zoya Jamil. "Representation of 'The Other': Tracing the 'Otherized' Segments of Contemporary Indian Society in Arundhati Roy's *The Ministry of Utmost Happiness*". *South Asian Studies*. Vol. 34, No. 2, July-Dec 2019.
- Nida Ehsan
 - Presented the paper "A Spatial Exploration of Omni Preset City in Desai's Fiction at the Conference ICDELL, UMT, April, 2019".
- **RESEARCH COLLABORATION**
 - **Foreign Linkages**
 - St. Andrews University, Scotland.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

○ **Research & Development**

The Department was established in 1932, with J.F. Bruce as its First Professor. It soon earned recognition owing to its high standard and expertise in a wide range of historical discipline. The Department since then stands as one of the distinguished and largest History Department among the various Universities of Pakistan. It is a pioneer Department in South Asia for advanced studies in the subject of history and enjoys 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 IqbalChawla, Dr. Mahboob Hussain, Dr. Faraz Anjum, Dr. Rukhsana Iftikhar, Dr. Naumana Kiran, Mr. Ghazi Muhammad Abdullah, Dr. Maqbool Ahmad Awan, Dr. Rubina Shoeb, Dr. Muhammad Abrar Ahmed & Miss. Anam Iftikhar.

Department is planning to greatly strengthen the Ph. D program. Twenty five students have completed M.Phil in History in the current session and seven students have completed Ph. D and one teachers are currently working on his Ph.D dissertation'. It is expected that he will complete his Ph.D in 2020.

- Projects
 - Dr. Mahboob Hussain is completing his Post-Doctoral Research Project from UK.
 - Dr. Naumana Kiran is completing her Post-Doctoral Research Project under the Supervision of Prof. Dr. Muhammad IqbalChawla from the Department of History & Pakistan Studies.
- **Publications: Books/ Edited**
 - Prof. Dr. Muhammad Iqbal Chawla
 - "Representation of Women in Postcolonial Literature in Pakistan" *A Research Journal of South Asian Studies*, (HEC Category X) University of the Punjab, Lahore. Vol. 34, No. 2, July – December, 2019, pp. 617 – 627.
 - "Socio-Cultural Life of the Kalasha People of Chitral: A Study of their Festivals" *Pakistan Vision*, (HEC Category Y) University of the Punjab, Lahore. Vol. 20, No.2, July-December, 2019. pp. 42-57.
 - "Agitational Politics in Pakistan: Refocusing on the Movement for Restoration of Democracy 1981" *Pakistan Vision*, (HEC Category Y) University of the Punjab, Lahore. Vol. 20, No.2, July-December, 2019. pp. 231-240.
 - "Publications in HEC Recognized Journals Assessment of Social Political and Economic Dimensions of CPEC: An Integrated Approach" *Pakistan Vision*, (HEC Category Y) University of the Punjab, Lahore. Vol. 20, No.1, January-June, 2019. pp. 1-10.
 - "Pakistan's Challenges and Response to Religious Extremism in Malakand Division: A Critical Reappraisal" *Journal of the Research Society of Pakistan*, (HEC Category X) University of the Punjab, Lahore. Vol. 56, No.1, January-June, 2019. pp. 255-269.
 - "The Jain History, Art and Architecture in Pakistan: A Fresh Light" (HEC Category Y) *Journal of the Research Society of Pakistan*, (HEC Category X) University of the Punjab, Lahore. Vol. 56, No.1, January-June, 2019. pp. 217-226.
 - Dr. Mahboob Hussain

The Parliament of Pakistan, A History of Institution-Building and (Un) Democratic Practices, (1971-77), Karachi: Oxford University Press, (2019) ISBN: 9780199405565
 - Dr. Naumana Kiran



- Muslim Mystics of the Punjab and the Pakistan Movement. Journal of Historical Society of Pakistan. Vol. LXVII Jan. to June 2019
- Pakistan's Challenges and Response to Religious Extremism in Malakand Division: A Critical Reappraisal Journal of Research Society of Pakistan. Vol. 56 Jan. to June 2019.
- Dr. Maqbool Ahmad Awan
 - The Veracious Spokesman of Downtrodden Peasantry Class in the United Punjab: A Case Study of Sir Chhotu Ram. Journal of Research Society of Pakistan. Vol. 56 Jan. to June 2019
 - The Provincial Election of 1936-37: Sikandar-Jinnah Pact and the Party Politics in the British Punjab. Journal Pakistan Vision Vol. 20 2019
 - Forerunners of the Renaissance: An Analytic Re-visitation pm of the Muslim Contribution to Historiography, Geography, Cartography and Philosophy. Journal Al-Qalam 2019.
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation+Poster Presentation)
02 seminars were organized by History Department

Sr. No	Title	Topic	Date	Venue
1	Prof. Dr. Muhammad Iqbal Chawla	Quaid-i-Azam Mohammad Ali Jinnah & The Creation of Pakistan: Debates & Discuss	29-01-2019	Department of History & Pakistan Studies, University of the Punjab, Lahore.
2	Prof. Pritam Singh.	Religion, Nationalism & Federalism in the Making of India & Pakistan.		Department of History & Pakistan Studies, University of the Punjab, Lahore.

- **Research Journals**
Following volumes of the Journal of the Punjab University Historical Society were published.

S.No.	Name of Journal	Volume
1	Journal of the Punjab University Historical Society	31 No.2
2	Journal of the Punjab University Historical Society	32 No.1

RESEARCH COLLABORATION

- **Foreign Linkages**
The Department developed academic linkage with Punjab University and Northeastern University Qinhuaingdao Joint-Supervision of the Doctoral Program in History would be materialized under this joint venture.
- **Funding grants for R & D**
Prof. Dr. Mahboob Hussain & Dr. Naumana Kiran availed grants from PHEC.

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*'.
- The Centre's research journal, '*Pakistan Vision*', is published bi-annually. It has been recognized by Higher Education Commission in Y category and is 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)

Publications: Books/ Edited

Research Journal

Two issues of the bi-annual research journal, '*Pakistan Vision*', were published during the period under review:

- *Pakistan Vision*, (Journal) Vol. 19, No. 2, December 2018
- *Pakistan Vision*, (Journal) Vol. 20, No. 1, June 2019

Following research articles were included

Pakistan Vision, (Journal) Vol. 19, No. 2, December 2018

- Difference of Opinion between the Lawrence Brothers regarding the Policy towards Landlords in Colonial Punjab
by Muhammad Abrar Zahoor
- The Antecedents of Pakistan-India Conflict: Challenges and Prospects for Solution
by Dr. Tahir Ashraf
- Comparative Study of the Party Politics in the British Punjab: A Discourse of the Major Political Parties (1885-1937)
by Maqbool Ahmad Awan
- A Public Opinion about the Role of Pakistani Entertainment Channels in Accordance with the Ideology of Pakistan
by Moneeba Iftikhar, Dr. Anjum Zia, Syed Hassan Raza
- Parliamentary Democracy under Khaki Shadows, 1985-1988
by Syed Tahir Hussain Bukhari
- Ethnic Impact in Electoral Politics: A Case Study of District Bahawalnagar
by Muhammad Ibrahim, Aftab Hussain Gillani
- Sir Syed Ahmad Khan and his Pluralistic Vision
by Amjad Abbas Khan



- Zulfiqar Ali Bhutto and Indira Gandhi: A Brief Comparison
by Imran Khan, Syed Karim Haider
- Surface Deformation of NPHMZ through Geospatial Technologies
by Imran Siddique Kaukab, S M Hassan Raza, S A Mahmood
- Alternative Dispute Resolution: a road less travelled in Pakistan
by Iftikhar Ahmad Tarar
- Public Interest Litigation: A Constitutional Regime to Access to Justice in Pakistan
by Aman Ullah
- Nuclear Program of Iran and Perception of West
by Sajida Begum, Naudir Bakht
- Identity Politics in 20th Century India: a Case Study of Major Communities
by Samina Yasmeen
- Role of SAARC in Economic Integration of South Asia
by Sarfraz Batool, Umbreen Javaid
- Violence, Partition and Locality of Lahore: A Critical Reappraisal
by Adnan Tariq, Muhammad Iqbal Chawla
- Review of China's role in Development of Gwadar Port
by Ahmad Ejaz, Unsa Jamshed
- Technical, Allocative and Economic Efficiency of Public Hospitals of Punjab (Pakistan): A Data Envelopment Analysis
by Majid Ali, Hafeez-Ur-Rehman, Zahid Parvaiz
- Organizational Commitment and Organizational Citizenship Behavior of Business Employees in Automobile and Telecommunication Sector of Pakistan
by Nauman A. Abdullah, Abdul Qayyum Chaudhary
- The Art Of A Soul Seeking Salvation
by Atifa Usmani, Shaukat Mahmood
- A Study of Academic Self-efficacy of University Students in Associations of Socio-demographic Variables
by FarihaSohil, Shafqat Hussain, Abdul Qadir Mushtaq
- Assessing Democratic Control of Military: A Comparative Analysis of Turkey and Pakistan
by Zab-Un-Nisa, Mughees Ahmad

Pakistan Vision, (Journal) Vol. 20, No. 1, June 2019

- Historical Perspective of Cultural Diversity; An Effect of Cultural Change on Student's Performance at University Level in Pakistan
by Abdul Majid Khan Rana, Muhammad Hussain Chishti
- Governance Context of Higher Education Sector of Pakistan
by Syed Sohaib Zubair, Nasira Jabeen, Yaamina Salman, Muhammad Zahid, Sidra Irfan



- Social Entrepreneurship is one of the way forward to Youth Empowerment in Pakistan
by Aliya Khalid, Amir Zada Asad
- Bhutto Opposition Relationship during the Constitution Making Process of
Constitution Of 1972
by Amna, Abdul Qadir Mushtaq, Abdul Majid Khan Rana, Syed Shoaib Iqbal
- The Implementation of Intellectual Property Laws in Pakistan-Impediments and
Suggestions for Solutions
by Ghulam Murtiza , Ghous Muhammad
- Does Perceived Organizational Support Influence Organizational Citizenship
Behavior?Evidence from Telecom Sector in Lahore, Pakistan
by Javaria Jamil, Kashif Rathore, Arslan Qaiser, Fizza Kanwal
- Saudi Arabia Strategy to Influence Public Opinion: How U.S. PR agencies funded for
Saudi image building after 9/11
by Muhammad Akmal Soomro, Umbreen Javaid
- Challenges and Approaches towards Urban Water Demand Management in Pakistan
by Nusrat Zahra, Amjad Abbas Khan
- Sikh-Muslim Relations in the Post-Ranjit Singh Period, 1839-1849: A Reappraisal
by Robina Shoeb, Anum Iftikhar, Muhammad Hameed, Syeda Mahnaz Hassan
- Tile Mosaic Decoration and Colour Philosophy in Ablution Area of the Faisal
Mosque, Islamabad by Samina Nasim
- The Social and Cultural Factors of Maternal Mortality in the Context of Three
Delays: The perspective of Lady Health Workers of South Punjab, Pakistan
by Sonia Omer
- Assessment of Social Political and Economic Dimensions of CPEC: An Integrated
Approach by Umbreen Javaid
- Workplace Violence against Female Nurses in Public Sector Hospitals in Lahore,
Pakistan
by Kashif Rathore, Syed Salman Hassan, Irfana Nasreen, Kashif Ali
- Impact of Civil-Military Relations on Foreign Policy of Pakistan
by Muhammad Saleem, Muhammad Abrar Ahmad, Muhammad Naeem Qazi,
Farzana Arshad
- Socio-Political and Economic Status of Minorities In India
by Abdul Majid, Saadat Farooq
- Androgynous Perspectives in Mumtaz Shahnawaz's The Heart Divided
by Bushra Siddiqui
- Metaphorical Devices in Political cartoons with Reference to Political Confrontation
in Pakistan after Panama Leaks
by Ayesha Ashfaq, Savera Shami, Sana Naveed Khan



- United Nations: A Long Tale of Maniac without Serving the Purpose
by Zahid Yaseen, Muhammad Muzaffar, Muhammad Arif Khan
- National and Collective Interests Motivating English Language Learners in a Pakistani Context by Muhammad Islam
- Impact of Electronic Media, Print Media and Interpersonal Communication on Voters' Decision Making in Punjab Pakistan
by Muhammad Shabbir Sarwar, Shahzad Ali
- Mirat ul-Arus: Examining the Afterlife of a Literary Text
by Mobeena Shafqat
- Implementation of the Eighteenth Amendment in Pakistan: An Analysis
by Kamran Naseem, Amna Mahmood
- Nuclear deterrence in the Strategic Relations in Pakistan and India and China as A Factor by Imran Khan, Naudir Bakht
- Jinnah's Principles of Government
by Attiya Khanam , Abdul Rashid Khan, Humaira Arif Dasti
- Causes of Befalling Calamities on Muslim Society
by Salma Zamir Khan, Tahir Mustafa
- Political News Exposure and Voting Behavior During 2013 General Election in Pakistan by Umair Nadeem, Zahid Yousaf
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
During the period under review, Pakistan Study Centre organized following international and national seminars and special lectures: These include:
 - Seminar on "Kashmir Dispute: Role of International Community". Keynote Speakers Renowned Journalist Mr. Mujeeb ur Rehman Shami and Prof. Dr. Adnan Sarwar Khan, Head, Department of International Relations & Peace & Conflict Studies, NUML, Islamabad. Prof. Dr. Muhammad Saleem Mazhar, Pro-Vice Chancellor, University of the Punjab, Lahore was the Chief Guest. Dr. Sajid Mahmood Awan, Director, National Institute of Historical & Cultural Research, Islamabad. Prof. Dr. Shuja Ahmed Mahesar, Director, Pakistan Study Centre, University of Sindh, Jamshoro, Prof. Dr. Umbreen Javaid, Dean Faculty of Social Sciences & Director, Centre for South Asian Studies, University of the Punjab, Lahore concluded the session. The seminar was held on August 21, 2019.
 - seminar on "The Afghan Peace Talks: The Latest Situation An Analysis of the Past and Look into the Future." Prof. Dr. Adnan Sarwar Khan, HoD, Department of International Relations & Peace & Conflict Studies, NUML, Islamabad was the keynote speaker. The seminar was held on January 24, 2019.
 - Seminar on Pakistan's Contemporary Challenges and Opportunities in the Context of Security Dynamics. Prof. Dr. Agnieszka Kuszewska, an expert on South Asia from Institute of Middle and Far East, Jagiellonian University, Krakow, Poland. The seminar was held on November 29, 2018.



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 an MoU with Institute of Global Studies, Shanghai university, Shanghai, China and has established linkages with scholars and academicians of national and international repute.

DEPARTMENT OF FRENCH

○ Research Projects

The Research team under the supervision of Dr Rashid Ahmad Thanvi and Dr. SalehaNazeer successfully completed 2nd phase of the project on the “Development Of Linguistic Codesas A Tool For Francophones, Anglophones And Urdu-Phones” in the quadrilingual translation of Surah Yaasin.

- An innovative project on “Creation of Multi Lingual Tool for Social Awareness” was also planned, designed and completed by Dr. SalehaNazeerand was displayed in a poster presentation at the 8th *Invention to Innovation Summit 2019* organized jointly by ORIC, PU, Ministry of Science and Technology,

General Research Projects

Certain other Research projectswere also carried out, under Research Wing of the FrenchDepartment, by Dr.SalehaNazeer and her research team:

- A Study of Symbols, Parables and Analogies in Quranic text, 2019
- A Comparative Study on Cultural and Linguistic Differences in Pakistani and French Societies, 2019
- Quranic Perspective of Social Grooming - Do's and Don'ts, 2019
- A Study on Promises of Allah Almighty in Quran, 2019
- Reasons to Learn French Language among Pakistani Learners, 2019

Literary and Comparative Study projects

Final term Research projectsby the students of undergraduate program were also successfully conducted under the supervision of Dr. SalehaNazeer and MsZil-e-Ayesha as per following details (Research projects were conducted in French language; English version of their titles is also mentioned):

- Introduction to IslamicLiterature in French by Dr. Hamidullah, *Introduction à la littérature islamique en français par le Dr. Hamidullah*,by HiraHaseeb, French Department, PU, Lahore, 2019.



- A Study of Mundane Life in the Poetry of Baba Bullay Shah, *La vie mondaine dans la poésie de Baba Bullay Shah* by Ayesha Saleem, French Department, PU, Lahore, 2019 .
- A Study of Sufi Trends in Farid-ud-din Attar's « Conference of Birds », *Etude des tendances soufies en "Conférence des oiseaux" de Farid-ud-din Attar*, by Sana Saeed, French Department, PU, Lahore, 2019.
- An Outlook on Cultural Evolution of Lahore, *Etude sur l'évolution culturelle de Lahore*, by Komal Shoukat, French Department, PU, Lahore, 2019.

Other Academic Events

Academic Achievements

- Research grooming workshops and interactive sessions were conducted by Dr Saleha Nazeer for the graduate students on the following topics:
 - Academic Research & Transferable Skills
 - Abstract Writing Skills
 - Research Log keeping
- Presentations on various aspects of French Culture and Civilisation supervised by Ms Sabrina A. Rassool
 - *Régions, météo, monuments et symboles de France* (Sep. 2018)
 - *Comparaison entre agriculture française et pakistanaise* (Oct. 2018)
 - *Système électoral français en comparaison avec celui du Pakistan* (Oct. 2018)
 - *Origines des produits typiquement français* (Nov. 2018)
 - *Pouvoirs gouvernementaux en France et au Pakistan* (Dec. 2018)
- Business French workshop for graduate students was conducted by Ms Sabrina A. Rassool:
 - Business Communication and Professional Letter writing (Oct. 2018)
 - Translation Quizzes for BS students were also conducted by Ms Sabrina A. Rassool (Dec. 2018)
 - Spoken French sessions: Dialogue and role plays on greetings and salutations in French, under the supervision of Ms Sabrina A. Rassool were conducted for beginners level BS students (Oct. 2018)
- **Interactive audio visual sessions** to enhance verbal comprehension skills on following topics were conducted by Ms Amena Zahid:
 - *Parler de soi, faire connaissance de quelqu'un* (Nov. 2018)
 - *S'inscrire au Club de tennis, parler des activités* (Dec. 2018)
 - *Chez le dentiste, à la pharmacie* (Jan. 2019)
 - *Une balade à Paris, la météo* (Feb. 2019)
 - *FOS : le français du tourisme* (Apr. 2019)
 - *La France, première destination touristique du monde* (May 2019)



- Role play by the students enacting different scenarios with special focus on real life situations, directed by Ms. Amena Zahid:
 - *Faire des courses au supermarché, à la boulangerie*(Nov. 2018)
 - *S'inscrire à l'école et à la bibliothèque*(Dec. 2018)
 - *Se situer en ville: indiquer la bonne route*(Jan. 2019)
 - *Visite chez le médecin* (Feb. 2019)
- A series of sessions on bilingual Translation & Interpretation covering our daily life social and international issues conducted by Ms. Amena Zahid for graduating students of BS:
 - Breaking News Session, Current Affairs, Weather clips from Radio France
 - *Reportage – Coverage / News Story* (Live interpretation in French and Urdu/English) from Le Monde, Dawn and Nawa-e-waqt (March 2019)
 - *Entrevues et discussions en français*– with English and Urdu interpretations (April 2019)
- Mini research projects by BS students under the supervision of Ms. Aiman Javedon:
 - Influence of Social Networking Sites on Youth
 - Effect of dreams on Human Behaviour
- Laptops awardees under Prime Minister Scheme – BS French students : Amtul Wakeel, Bushra Mukhtar, Syeda Noshaba Batool, Huba Haseeb.
- Merit Scholarship awarded to BS & MA French students : Aashra Ramzan, Mahreen Fatima, Huba Haseeb, Zarmeen Asif.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Conferences, Seminars and Workshops, etc.**
Department has organized National Conference on Gender Studies on Thursday, 2nd May 2019 on the theme of “Sustainable Development Goals: Achievements and future in gender perspective”
- **Research Journals**
 - Journal of Gender and Development
Started in 2006. Working to bring it in streamline. The back issues will be published in this year.

DEPARTMENT OF POLITICAL SCIENCE

- **Projects: Completed**

Sr. No.	Name of Faculty Member	Titled of Project	Funded By	Year of Completion
1	Prof. Dr. Umbreen Javaid	Re-introducing the Culture of Tolerance in the Institutes of Higher Learning	Higher Education Commission (HEC)	2019



○ Research Publications

▪ Prof. Dr. Umbreen Javaid

- *"Federalism in a Post 18th Amendment Pakistan"* by Halima Naz Afridi & Dr. Umbreen Javaid, Margalla Papers, A Journal of International Affairs, National Defence University, Islamabad. (2019)
- *"China's Contemporary Foreign Policy Behavior: An Analysis through Realist, Liberal & Constructive Perspectives"* by Asif Farooq and Dr. Umbreen Javaid, Global Social Sciences Review (GSSR), Vol. IV, No. 2, 2019, pp. 328-338 (HEC recognized Category "X").
- *"Saudi Arabia Strategy to Influence Public Opinion: How U.S. PR agencies funded for Saudi image building after 9/11"* by Akmal Somoroo & Dr. Umbreen Javaid, Pakistan Vision, University of the Punjab, Lahore, Vol. 20, No. 1, 2019 (HEC recognized Category "Y")
- *"Assessment of Social Political and Economic Dimensions of CPEC: An Integrated Approach"* by Dr. Umbreen Javaid, Pakistan Vision, University of the Punjab, Lahore, Vol. 20, No. 1, 2019 (HEC recognized Category "Y").
- *"Stolen versus Wasted Waters of Pakistan"* by Hassan Iqbal & Dr. Umbreen Javaid, Vol. 26, No. 1, 2019, Journal of Political Studies, University of the Punjab, Lahore (HEC Recognized Category "X").
- *"Christians in Pakistan- A Developmental Approach: (Pre & Post Partition of India)"* by Ammara Tabbasum & Dr. Umbreen Javaid, Vol. 34, No. 1, 2019, Journal of South Asian Studies, University of the Punjab, Lahore (HEC Recognized Category "X").
- *"Geo Strategic Relations of China-Pakistan (1962-2018): Bilateral and Regional Implications"* by Mukhtar Ahmad & Dr. Umbreen Javaid, Vol. XXXVI, 2018, Journal of Political Science, GCU, Lahore (HEC Recognized Category "X").
- *"Pakistan-US Relations after 9/11: Points of Divergence"* by Imran Rashid & Dr. Umbreen Javaid, Vol. 33, No. 2, 2018, Journal of South Asian Studies, P.U., Lahore (HEC Recognized Category "X").
- *"Neo-Imperialism: A Case Study of China – Pakistan Economic Corridor"* by Khushboo Ejaz & Dr. Umbreen Javaid, Vol. 25, No. 2, 2018, Journal of Political Studies, University of the Punjab, Lahore (HEC Recognized Category "X").
- *"U.S Global Interventionism and the Case of Drone Attacks in Pakistan"* by Dr. Umbreen Javaid & Mir Waheed, Bahaudin Zakria University, Multan, Vol.38, No.2 (2018), pp. 695- 707.
- *"Situating Central Asia In China's One Belt One Road Initiative"* by Dr. Umbreen Javaid & Mir Waheed, Journal of Punjab University Historical Society, Lahore, Vol. 31, No. 2, 2018 (HEC recognized Category "Y").
- *"US Strategy in Afghanistan: Unprecedented Closeness with India and trust deficits with Pakistan"* by Ghulam Fareed & Dr. Umbreen Javaid, Journal of Research Society of Pakistan, Vol. No. 56, No. 2, 2018 (HEC recognized Category "X").



- “Role of SAARC in Economic Integration of South Asia” by Sarfaraz Batool & Dr. Umbreen Javaid, Journal of Pakistan Vision, University of the Punjab, Lahore, Vol. 19, No. 2, 2018 (HEC recognized Category “Y”).
- “Afghanistan Imbroglio: The Unintended Consequences of Foreign Interventions ” by Asifa Jahangir & Dr. Umbreen Javaid Journal of South Asian Studies, University of the Punjab, Lahore Vol. 33, No. 2, 2018 (HEC recognized Category “X”).
- Prof. Dr. Iram Khalid
 - Religion And Electoral Politics In Punjab: A Case Study Of 2018 General Elections. Journal of South Asian Studies, Punjab University, Lahore. Vol. 34, Issue-1, 2019.
 - A Socio Political Status of Minorities in Pakistan. Journal of Political Studies, Punjab University, Lahore. Vol. 26, Issue-1, 2019
 - Food Security: Understanding Pakistan’s National Security Concerns. Journal of Political Studies, Special Issue, 2018 (HEC recognized Category “X”).
 - Judicial Activism in Pakistan: A Case Study of Supreme Court
 - Judgments 2008-13. Journal of South Asian Studies, Punjab University, Lahore. Vol. 33, Issue-2, 2018.
 - Islamic state of Iraq and Syria (ISIS) and Syrian Crisis: Challenge or Opportunity for Major Powers in Middle East. Journal of Political Science Government College University Lahore. (GCU). Vol. XXXVI, December, 2018
 - Middle East in Crisis. Journal of Political Studies, Punjab University, Lahore. Vol. 25, Issue-2, 2018.
 - Minorities under Constitution(s) of Pakistan. Journal of Research Society of Pakistan, Punjab University, Lahore. Vol. 55, Issue-2, 2018.
- Rana Eijaz Ahmad
 - Documentation of Illuminated Qur’ānic Manuscript and its Impact on the Social System of the Subcontinent. Journal of Political Studies, Punjab University, Lahore. Vol. 26, Issue-1, 2019.
 - Forced Migration and Security Implications for Host Country: A Study of Afghan Refugees in Pakistan. Journal of Politics and International Studies, Punjab University, Lahore. Vol. 5, Issue-1, 2019.
 - Punjab Public Library: An Amalgamation of Mughal and Colonial Architecture and its Impact on the Politics of the Subcontinent. Journal of South Asian Studies, Punjab University, Lahore. Vol. 34, Issue-1, 2019.
 - Contentious Politics in Afghanistan and the U.S. Efforts for Peace (2008-2018). Journal of Political Studies, Punjab University, Lahore. Vol. 25, Issue-2, 2018.
 - Politics of Persuasion and Power in the Political and Apolitical Institutions of Pakistan (2008-18). Journal of South Asian Studies, Punjab University, Lahore. Vol. 33, Issue-2, 2018.



- The Fifth Political Theory and Countering Terrorism in the Post 9/11 Era. Journal of Political Studies, Special Issue, 2018 (HEC recognized Category “X”).
- Dr. Rehana Saeed Hashmi
 - Economic Aspect of Conflict Transformation in Balochistan (2001-2008). Journal of South Asian Studies, Punjab University, Lahore. Vol. 34, Issue-1, 2019.
 - Parliamentary Democracy and the Issue of Institutional Jurisdiction in South Asia (The Case of Pakistan). Journal of Political Studies, Special Issue, 2018 (HEC recognized Category “X”).
- Dr. Mubeen Adnan
 - Hydro Politics: A Conflict between Pakistan and India. Journal of Political Studies, Special Issue, 2018 (HEC recognized Category “X”).
- **Conferences / Seminars and Workshops etc**
 - *International Conferences*
 - Organized an International Conference on “Democracy, Governance and Security: Perspectives from South Asia” in collaboration with Centre for South Asian Studies at University of the Punjab, Lahore – Pakistan, on 09-10 January 2019.
 - Organized an International seminar on Dr. B.R. Ambedkar on “Ambedkar Vision of Dalit Empowerment through Education” in collaboration with Sir Ganga Ram Heritage Foundation at Al-Raazi Hall, University of the Punjab, Lahore on 6th December (Thursday), 2018.
 - *National*
 - Organized competition / activities on “Kashmir Issue” on Thursday 22nd September, 2019 by Dr. Mubeen Adnan, Student Advisor, Department of Political Science.
 - Organized a seminar on “Kashmir and Pakistan” by Brig. (R) Nadir Mir, Chairman, Pakistan National Reform Movement (PNRM) on 26th September, 2019 at University of the Punjab, Lahore.
 - Organized a seminar on “Current Situation in Jammu & Kashmir” by Justice (R) Faqir Muhammad Khokhar, Judge, Supreme Court, Islamabad on 19th September, 2019 University of the Punjab, Lahore.
 - Organized a seminar on “Current Crisis in Kashmir” by Former Ambassador Murad Ali on 29th September, 2019 at University of the Punjab, Lahore.
 - Organized a National Conference on “Kashmir Dispute” by Mr. Mujeeb ur Rehman Shami, Renowned Journalist Prof. Dr. Adnan Sarwar Khan, Dept. of International Relations, NUML, Islamabad in Collaboration with Pakistan Study Centre, University of the Punjab, Lahore on 21st August, 2018
 - Organized a seminar on “Future Directions of Pak-Iran Relations” Ambassador Iqbal Ahmad Khan on 26th April, 2019 at University of the Punjab, Lahore.



- Organized a seminar on “2nd Death Anniversary of Prof. Dr. Muhammad Jahangir Tamimi” Prof. Dr. Umbreen Javiad, Director, CSAS, P.U., Lahore. Justice (R) Nazeer Ahmad Ghazi (Chief Guest), Dr. Tahir Raza Bukhari, D.G. Auquaf (Punjab) on 25th April, 2019 at University of the Punjab, Lahore.
- Organized a seminar on “Time Management in Academic Research” Prof. Dr. Muhammad Ahsan, Fellow of Royal Society of Arts (FRSA), England on 25th April, 2019 at University of the Punjab, Lahore.
- Organized a seminar on “Current Trends of Democracy in the World” by Prof. Dr. Staffan I. Lindberg, Director, V-Dem Institute, Department of Political Science, University of Gothenberg, Sweden on 13th March, 2019 at University of the Punjab, Lahore.
- Organized a seminar on “Fundamental Human Rights and Violations Thereof in Indian Held Kashmir” by Justice (R) Sharif Hussain Bukhari, Currently Working on Kashmir Movement on 26th February, 2019 at University of the Punjab, Lahore.
- Organized a seminar on “Indo-Pakistan Peace and Kashmir” by Mr. Ross Masud, Former Legal Advisor, Ministry of Foreign Affairs of Pakistan on 31st January, 2019 at Centre for South Asian Studies, University of the Punjab, Lahore.
- Organized a seminar on “Fellowship of 1947 Partition Archive” by Brig. (R) Khalid Amin on 28th January, 2019 at University of the Punjab, Lahore.
- Organized a workshop on “Research Methodology” by Dr. Khalid Mehmood, Chairman, Department of Library & Information Sciences, University of the Punjab, Lahore on 3rd of December, 2018 at University of the Punjab, Lahore.
- Organized a seminar on “Global Geopolitical Shifts and Pakistan” by Ambassador (R) Javed Husain, President Lahore Council for World Affairs (LCWA), Lahore on 26th November, 2018 at University of the Punjab, Lahore.
- Organized a seminar on “Kashmir Issue and Violations of Human Rights” by Justice (R) Faqir Muhammad Khokhar on 25th October, 2018 at University of the Punjab, Lahore.
- Organized a seminar on “Child Bombers: From Innocence to Violence” by Dr. Sohail Habib Tajik, DIG, Sheikupura on 22nd October, 2018 at University of the Punjab, Lahore.
- Organized a writing competition on “Child Marriage and its Impacts on our Society” in collaboration with Bedari NGO on 8th October, 2018 and 10 October, 2018 at University of the Punjab, Lahore.

○ Research Journals

- Department of Political Science is publishing its Research journal “Journal of Political Studies” since 2000, HEC recognized in ‘X’ category.
- Introduced new research journal at Department of Political Science titled, “Journal of Politics & International Studies” HEC category “Z” (2018).



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	Re-introducing the Culture of Tolerance in the Institutes of Higher Learning	Higher Education Commission (HEC)	521,209	2019

DEPARTMENT OF SOCIAL WORK

○ Research and Development

- Dr. Raazia Hassan Naqvi, Lecturer of this Department completed research project on “Women policing: problems and prospects of women police in Gilgit Baltistan” for the fiscal year 2017-18.
- Department of Social Work has arranged a Special Lecture of Dr. Ohashi Masaaki (from Japan) in Collaboration with Community World Service Asia (CWSA) on 2 January, 2019 at Department of Social Work, University of the Punjab
- Department of Social Work Organized a Consultation Workshop of Social Welfare Officers and Medical Social Officers in Collaboration with Community World Service Asia (CWSA) on 19th February, 2019 in the Department of Social Work, University of the Punjab (Quaid-e-Azam Campus), Lahore.

INSTITUTE OF COMMUNICATION STUDIES

○ Research and Development

Completed Projects: A research Project on “Media’s Role in Promotion of National Identity Pakistani Youth Perception 2017-18” funded by the University of the Punjab for the fiscal year 2017-18 completed by Dr. Noshina Saleem

○ Publications: Books/ Edited

Dr. Noshina Saleem

- “Public Policy and Journalists’ Perception in Pakistan” published in Journal of Pakistan Vision, Vol-20, No-2, 2019.
- “Media and behavior change: effectiveness of public health campaigns in Pakistan” published in ISRA Medical Journal, Vol-11, No-4, 2019.

Dr. Bushra H. Rahman

“Role of Media in Constructing Pakistani National Identity with reference to War on Terror, USA and Afghanistan (2001-2015)” published in Journal of the Research Society of Pakistan, Vol-56, No-1, 2019.



Dr. Abida Eijaz

“Academia’s Engagement and Research Patterns in Published Mass Communication Research: A Case Study of Journals from Sindh (Pakistan)” published in Journal of Media Education, Vol-10, No-2, 2019.

Dr. Savera Shami

- “Clicking Responses on Social Media: Analysis of Audience Engagement on Posts and Tweets of MNAs of Pakistan” published in Pakistan Vision, Vol-20, No-2, 2019.
- “Marketing of Education: Semiotic Analysis of Allied School and The Educators Paid Advertisements on Pakistani Television Channels” published in Pakistan Vision, Vol-20, No-2, 2019.
- “Metaphorical Devices in Political cartoons with Reference to Political Confrontation in Pakistan after Panama Leaks” published in Pakistan Vision, Vol-20, No-1, 2019.
- “Coverage of Panama Cases Trial in Pakistan by International Media; Disqualification of Prime Minister Nawaz Sharif” published in Journal of the Research Society of Pakistan, Vol-56, No-1, 2019.
- “Reputation Management in Social Media: Analysis of Audience Feedback on Posts and Tweets of Pakistani MNAs” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.
- “Crafting Political Images on Twitter: Analysis of Public Relations Strategy of Politicians of Pakistan” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.
- “Political Public Relations and Social Media: A Theoretical Review and the Case of Pakistan” published in Global Regional Review, Vol-4, No-1, 2019.
- “Politics or No Politics on Social Media: Twitter and Pakistani Legislators” published in Global Regional Review, Vol-4, No-1, 2019.
- “Drawing the Foreign Rivalry: Depiction of Indo-Pak Relations in Political Cartoons of Mainstream Pakistani and Indian English Newspapers” published in Journal of Pakistan Vision, Vol-20, No-2, 2019.

Dr. Ayesha Ashfaq

- “Marketing of Education: Semiotic Analysis of Allied School and The Educators Paid Advertisements on Pakistani Television Channels” published in Pakistan Vision, Vol-20, No-2, 2019
- “Metaphorical Devices in Political cartoons with Reference to Political Confrontation in Pakistan after Panama Leaks” published in Pakistan Vision, Vol-20, No-1, 2019
- “Coverage of Panama Cases Trial in Pakistan by International Media; Disqualification of Prime Minister Nawaz Sharif” published in Journal of the Research Society of Pakistan, Vol-56, No-1, 2019.
- “Reputation Management in Social Media: Analysis of Audience Feedback on Posts and Tweets of Pakistani MNAs” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.



- “Crafting Political Images on Twitter: Analysis of Public Relations Strategy of Politicians of Pakistan” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.
- “Drawing the Foreign Rivalry: Depiction of Indo-Pak Relations in Political Cartoons of Mainstream Pakistani and Indian English Newspapers” published in Journal of Pakistan Vision, Vol-20, No-2, 2019.

Ms. Sana Naveed Khan

- “Metaphorical Devices in Political cartoons with Reference to Political Confrontation in Pakistan after Panama Leaks” published in Pakistan Vision, Vol-20, No-1, 2019.
- “Coverage of Panama Cases Trial in Pakistan by International Media; Disqualification of Prime Minister Nawaz Sharif” published in Journal of the Research Society of Pakistan, Vol-56, No-1, 2019.
- “Reputation Management in Social Media: Analysis of Audience Feedback on Posts and Tweets of Pakistani MNAs” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.
- “Crafting Political Images on Twitter: Analysis of Public Relations Strategy of Politicians of Pakistan” published in Journal of the Research Society of Pakistan, Vol-56, No-2, 2019.
- “Political Public Relations and Social Media: A Theoretical Review and the Case of Pakistan” published in Global Regional Review, Vol-4, No-1, 2019.

Mr. Akram Soomro

“Saudi Arabia Strategy to Influence Public Opinion: How U.S. PR agencies funded for Saudi image building after 9/11” published in Pakistan Vision, Vol-20, No-1, 2019.

Dr. Muhammad Shabbir Sarwar

“Impact of Electronic Media, Print Media and Interpersonal Communication on Voters’ Decision Making in Punjab Pakistan” published in Pakistan Vision, Vol-20, No-1, 2019.

Mr. Fahad Mahmood

“Using facebook for government public relations campaigns: Relationship between Information seeking attitude and effectiveness of public relations outcomes for Facebook.” published in Journal of Media Studies, Vol. 35(1), January 2019.

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

Organized a workshop on International Seminar on "Peace Journalism: Challenges and Prospects" by Prof. Rune Ottosen at Faiz Ahmad Faiz Conference Room, Institute of Communication Studies on March 04, 2019.

○ **Research Journals**

Biannual Journal of Media Studies



INSTITUTE OF SOCIAL & CULTURAL STUDIES

The faculty of Institute of Social & Cultural Studies (ISCS) is engaged in research and have published number of articles and books so far. The ISCS has completed number of projects and the institute is still engaged in the projects and contributing its part in the field of Research.

- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - 1st National Conference on Education Policy and Development 25th Jan. 2019
 - 1st National Conference Public Health 25th Feb. 2019
- **Research Journals**
 - Prof. Dr. Rubeena Zakar, Health Literacy in South Asia: Clarifying the connections between Health Literacy and Wellbeing in Pakistan, South Asian Studies, (Jul-Dec 2019)
 - Prof. Dr. Rubeena Zakar, Determinants of overall knowledge of and attitudes towards HIV/AIDS transmission among ever-married women in Pakistan: evidence from the Demographic and Health Survey 2012–13, BMC Public Health. (June 2019)
 - Prof. Dr. Rubeena Zakar, Intimate Partner Violence and its Association With Contraceptive Use Among Women in Pakistan, Pakistan Journal of Psychological Research, 2019
 - Prof. Dr. Rubeena Zakar, Sociodemographic determinants associated with parental knowledge of screening services for thalassemia major in Lahore, Pakistan Journal of Medical Sciences (Mar-April 2019)
 - Prof. Dr. Khalil Ahmad & Dr. Fouzia Saleem Alvi, An Analytical Study on Emerging Adulthood in Lahore City. Journal of the Punjab University Historical Society. (Jul-Dec 2018)
 - Dr. Fouzia Saleem Alvi, Child Marriage in Pakistan: Issues of Sampling, Representativeness and Generalization. The Pakistan Journal of Social Issues. (2018)
 - Dr. Fouzia Saleem Alvi, “Women’s Empowerment: A Two Tier Approach Analysis of Pakistani Youth”. THE WOMEN. Annual Research Journal of Gender Studies.(2019)
 - Dr. Jafar Riaz Kataria, Freedom of Expression and Justiciability in Pakistan, South Asian Studies, (Jan-June 2019)
 - Dr. Jafar Riaz Kataria, Factors Affecting Performance of Primary Schools Teachers in Terrorism Affected Areas: A case of District Swat, South Asian Studies, (Jul-Dec 2018)

RESEARCH COLLABORATION

○ **Foreign Linkages**

ISCS has extended a Linkage with Leeds University, UK and has planned a conference on Religion and series of research workshops in November 2019.



Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

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

Publications: Books/ Edited

- Muhammad Ali, SHEN Lei, Susan Freeman, & Mubbsher Munawar Khan (2019). Implemented and perceived high-performance work system and its effect on branch performance: A 2-1-2 meditational multilevel approach. *Employee Relations: (Impact Factor: 1.496)*. 41(4) 793-810.
- Usamah Iyyaz Billah & Mubbsher Munawar Khan (2018). Exploring emotional and functional positioning strategies – A case study of multi-national brands operating in Pakistan. *Paradigms (Y – Category)* 12(2) 161-166.
- Dr. Sh. Usman Yousaf
 - Employees' Response to Code of Ethics and Corporate Philanthropic Social Responsibilities: Evidence from Pakistan
Journal of Research Society of Pakistan (HEC X Category)
 - Socio-Economic and Environmental Factors Influenced Pro-Poor Growth Process: New Development Triangle
Environmental Science and Pollution Research (Impact Factor: 2.914)
 - Saudi Arabia-China-Pakistan Economic Corridor: Intergovernmental Green Initiatives
Environmental Science and Pollution Research (Impact Factor: 2.914)
 - The Impact of Financial Development Indicators on Natural Resource Markets: Evidence from Two-Step GMM Estimator
 - Resources Policy (**Impact Factor: 3.185**)
- Dr. Samar Rahi
 - Dr. Samar Rahi, Integration of unified theory of acceptance and use of technology in internet banking adoption setting: Evidence from Pakistan. *Technology in Society. (58)2019 (1.670)*
 - Dr. Samar Rahi, Integration of UTAUT model in internet banking adoption context: The mediating role of performance expectancy and effort expectancy. *Journal of Research in Interactive Marketing. 13(3), 2019* Impact Factor 2.156
 - Dr. Samar Rahi, Integration of expectation confirmation theory and self-determination theory in internet banking continuance intention. *Journal of Science and Technology Policy Management. 10(3), 2019* ISI, ESCI, Scopus



- Dr. Samar Rahi, Does gamified elements influence on user's intention to adopt internet banking with integration of UTAUT and General Self-Confidence? International Journal of Business Excellence. 19(3), 2019, Scopus
- Dr. Samar Rahi, Integration of DeLone & McLean and Self-Determination Theory in internet banking continuance intention context. International Journal of Accounting and Information Management. 27(3), 2019, ISI, ESCI, Scopus
- Dr. Samar Rahi, Does gamified elements influence on user's intention to adopt and intention to recommend internet banking? International Journal of Information and Learning Technology. 36(1), 2019. ISI, ESCI, Scopus
- Dr. Samar Rahi, Investigating the role of UTAUT and e-service quality in internet banking adoption setting. The TQM Journal, 31(3), 2019 ISI, Scopus
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
 - Prof. Dr. Mubbsher Munawar Khan
 - Convener, Four International Conferences on Banking, Insurance & Business Management – CBIBM 2016-2019, Hailey College of Banking and Finance, University of the Punjab, Lahore, Pakistan
 - International Conference on Religion and Society: Creating Tolerance through Socio-Religious Harmony, organized by Institute of Social and Cultural Studies, University of the Punjab in collaboration with University of Leeds, United Kingdom at Lahore, Pakistan, November 12, 2019
 - British Academy of Management (BAM) 2019 Conference – Building and Sustaining High-Performance Organisations in Uncertain Times: Challenges and Opportunities, Birmingham, UK, September 3-5, 2019
 - Attended The Ningbo Forum, Pan Pacific Hotel Ningbo, Zhejiang, China, November 3-4 2018.
 - Dr. Sh. Usman Yousaf
 - Mediating effects of Entrepreneurs' Work Performance on the Relationship between their Psychological Capital and Growth Intentions: A Study on Malaysian SME Entrepreneurs.
 - Presented in 3rd International Research Conference on Management and Business, December 11, 2018, Indonesia.
 - Dr. Samar Rahi
 - Dr. Samar Rahi, Designing Survey Research: Recommendation for Questionnaire Development, Calculating Sample Size and Selecting Research Paradigms. Economic and Social Development: Book Of Proceedings, 1157-1169. (Indexed in ISI, CPCI - Core Collection of Web of Science)
 - Dr. Samar Rahi, The Implementation of Partial Least Square Modelling (PLS) for Marketing Research In Arab Countries: Introduction to Beginner Users Evidence



from Islamic Banks of Palestine. Economic And Social Development: Book Of Proceedings, 1134-1141 (Indexed in ISI, CPCI -Core Collection of Web of Science)

○ Research Journals

We are on the way to publish the first issue of our Research Journal.

RESEARCH COLLABORATION

The Principal HCBF Prof. Dr. Mubbsher Munawar Khan has interactive International Linkages which will be transmitted to Institutional linkages.

HAILEY COLLEGE OF COMMERCE

○ Publications

Sr	Name of Faculty member	Title of Research paper	Publishing Journal	Vol	HEC Recog	Conference proceedings
1	Prof. Dr. Hassan Mobeen Alam	Impact of Financing on Production with Mediating Role of Rural Population: Evidence from Agricultural Sector of Pakistan .	Journal of Research Society of Pakistan	55 Issue No.2	HEC recognized	
2.	Prof. Dr. Hassan Mobeen Alam	Does Rural Population have Mediating Role between Agricultural Credit and Livestock Production?. Evidence from Livestock Sector of Pakistan	Pakistan Journal of Social Sciences	38	HEC recognized	PP-220-231
3	Dr. Fouzia ali	Exploring the Awareness of China Pakistan Economic Corridor: A Stakeholder's Perspective	South Asian Studies	2018, Vol. 12 (1), 78-93	Local X category.	
4	Dr. Fouzia ali	The Role of Creative Self-Efficacy and Intrinsic Motivation in Delighting Customers: The Mediating Role of Positive Psychological Capital	Pakistan Journal of Commerce and Social Sciences	2018, Vol. 24(1), pp. 1-7	Local X category.	
5	Dr. Fouzia ali	Assessing the Antecedents of Work Performance among Health Care Practitioners: Testing a Partial Least Squares Structural Equation Modeling Sequential Model	Annals of Kind Edward Medical College	2018, Vol. 40(1), 281-299	Local X category	
6	Dr. Fouzia ali	Are Social Networking Sites Suitable for Formal Learning among Business Research Students? A Mixed Method Experimental Approach	Bulletin of Education and Research		Local X category	
7	Dr. Fouzia ali	Effects of Perceived Organizational Support on Organizational Citizenship Behavior – Sequential Mediation By Well-Being and Work Engagement	Journal of the Punjab University Historical Society	2415-5373		pp. 61-71



8	Dr. Rizwan Qaiser Danish	Determinants of M-commerce Adoption Intention: The Mediation Effect of Personal Innovativeness	Pakistan Journal of Commerce and Social Sciences,		(HEC recognized Y Category)	501-520
9	Dr. Rizwan Qaiser Danish	Identifying Factors Affecting Neuro Marketing With Mediating Role Of Normative Influence,	Global Journal of Engineering Science and Research Management	5(9),	UGC Approved Journal	55-61
10	Dr. Rizwan Qaiser Danish	Impact of Brand Loyalty in Assessing Purchase Intentions of a Customer: A Study of Automobile Industry in South Asian Perspective	South Asian Studies	33(2)	(HEC recognized X Category)	347-364
11	Dr. Rizwan Qaiser Danish	The Impact of Service Quality and Service Value on Customer Satisfaction through Customer bonding	European Online Journal of Natural and Social Sciences	7(1s),	(HEC recognized X Category)	40-47
12	Dr. Rizwan Qaiser Danish	The Impact of Perceived Organizational Politics on Employees Performance through Emotional Intelligence: Moderating Role of Political Skills,	Journal of Harmonized Research in Management		UGC Approved Journal	136-148
13	Dr. Rizwan Qaiser Danish	Determinants of Loyalty through customer satisfaction; evidence from Fast Food Industry of Lahore, Pakistan	International Journal of Scientific & Engineering Research	9(12),	UGC Approved Journal	10-28
14	Dr. Rizwan Qaiser Danish	A Comparative Study of Banking Industry Based on Appraisal System, Rewards and Employee Performance,	Journal of Management	2(1)		4-14
15	Dr. Rizwan Qaiser Danish	Impact of Training and Supervisor Support on Organizational Commitment with mediating role of Job Satisfaction,	European online Journal of Natural and Social Sciences	8(1),		25-33.
16	Dr. Rizwan Qaiser Danish	Spirit and Innovation at Work in Software Houses of Pakistan: How Does Job Satisfaction Intervene the Relationship?	European online Journal of Natural and Social Sciences,	8(1)		66-78.
17	Dr. Rizwan Qaiser Danish	Supervision Support and Turnover Intention: Impact of Employee's Training in Banking Sector of Pakistan,	European online Journal of Natural and Social Sciences,	8(2)		25-33
18	Dr. Rizwan Qaiser Danish	Factors Affecting Life Satisfaction of Employees under Financial Threat,	Journal of Management	2(1)		85-98



19	Dr. Rizwan Qaiser Danish	Work Related Stressors and Teachers' Performances: An Evidence from College Teachers Working in Punjab,	European Scientific Journal,	15(4)		158
20	Dr. Rizwan Qaiser Danish	Impact of Online Consumer Reviews on Hotel Booking Intentions: The Case of Pakistan,	European Scientific Journal,	15(7)		144-159
21	Dr. Rizwan Qaiser Danish	Impact of Personality Characteristics on Innovative Work Behavior through Emotional Labor in Education Sector of Pakistan.	European online Journal of Natural and Social Sciences,	8(2)		70-75
22	Dr. Rizwan Qaiser Danish	Impact of Abusive Supervision on Organizational Citizenship Behavior with the mediating role of Organizational Justice: a study of individuals working in private sector firms of Pakistan.	European Online Journal of Natural and Social Sciences:			Proceedings
23	Dr. Rizwan Qaiser Danish	The Effect of Perceived Organizational Support and Job Attitudes on Employee Retention; Mediating Role of Perceived Person-Organization Fit in Banking Sector of Lahore, Pakistan,	Pakistan Business Review,	18(5)		
24	Dr. Rizwan Qaiser Danish	Influence Of High-Performance Work System On Employee Service Performance And OCB: The Mediating Role Of Resilience,	Journal of Global Entrepreneurship Research	(2019)		9:13
25	Dr. Rizwan Qaiser Danish	Corporate Governance and Cost of Equity: Evidence from Asian Countries,	Journal of Political Studies	26(1),		207-230
26	Dr. Rizwan Qaiser Danish	Factors affecting "Entrepreneurial Culture": the Mediating role of creativity,	Journal of Innovation and Entrepreneurship			
27	Dr. Rizwan Qaiser Danish	How corporate social responsibility boosts firm financial performance: The mediating role of corporate image and customer satisfaction, Corporate Social Responsibility and Environmental Management, 1-12.	DOI: 10.1002/csr.1781IF: 5.513			
28	Dr. Ishfaq Ahmed,	Emerging trends of coffee cafés in Pakistan: Factors affecting revisit intentions.	British Food Journal	121(9)	Impact factor 1.717	2132-2147



29	Dr. Ishfaq Ahmed	Police work-family nexus, work engagement and turnover intentions: Moderating role of person-job fit.policing	An International Journal	42(5)	Impact factor 1.350).	739-750
30	Dr. Ishfaq Ahmed	Effects of ethical leadership on bullying and voice behavior among nurses: Mediating role of organizational identification, working conditions and workload	Leadership in Health Services	32(1)	(Emerald–ESCI & Scopus Indexed Journal	2-17
31	Dr. Ishfaq Ahmed	Effects of external prestige on emotional labor: mediation by organizational identification and moderation by perceived organizational support.	Middle East Journal of Management,	6(2)	(Inderscience–ESCI)	186-203
32	Dr. Ishfaq Ahmed	A multi-method approach to assess and measure corporate social responsibility disclosure and practices in developing economy.	Sustainability,	10(8)	Impact factor 2.592).	http://doi.org/10.3390/su10082955
33	Dr. Ishfaq Ahmed	Safety practices in informal industrial segment of Pakistan.	Safety Science,	110 (part A)	Impact factor 3.615).	83-91
34	Dr. Ishfaq Ahmed	Computer Users’ Ergonomics and Quality of Life – Evidence from a Developing Country.	International Journal of Injury Control and Safety Promotion	25(2)	Impact factor 0.870).	154-161
35	Dr. Ishfaq Ahmed	Occupational health and safety issues at informal economic segment of Pakistan: a survey of construction sites.	International Journal of Occupational Safety and Ergonomics	24(2)	Impact factor 1.377).	240-250
36	Dr. Ishfaq Ahmed	Predicting Employee Performance through Organizational Virtuousness: Mediation by Affective Wellbeing and Work Engagement	Journal of Management Development,	37(6)	(Emerald–Emerging Source Citation Indexed & Scopus Indexed Journal).	493-502
37	Dr. Ishfaq Ahmed	Mechanism between perceived organizational support and transfer of training: Explanatory role of self-efficacy and job satisfaction.	Management Research Review,	41(3)	(Emerald–Emerging Source Citation Indexed & Scopus Indexed Journal).	296-313
38	Dr. Ishfaq Ahmed	Protecting healthcare through organizational support to reduce turnover intentions	International Journal of Human Rights in Healthcare	11(1)	Emerald–Emerging Source Citation Indexed & Scopus Indexed Journal).	4-11



○ **Books/ Edited**

Sr	Name of Author	Title	Publisher	Year
1	Dr. Hassam Mobeen Alam	Money, Banking and Finance	Syed Mobeen & Co. Lahore	Revised Edition 2018-19
2	Dr. Zulfaq Ahmad Bowra	Business Mathematics & Statistics	Jadeed Book Depot, Lahore	Revised Edition 2018-19
3	Dr. Sayyid Salman Rizavi	Introduction to Economics	Syed Mobeen & Co. Lahore	Revised Edition 2018-19
4	Dr. Hafiz Zafar Ahmad	Cost Accounting	Jadeed Book Depot, Lahore	Revised Edition 2018-19
5	Shafique, Azam.	Fundamentals of Financial Accounting	Muhammad Farukh Hanif P.P	Revised Edition 2018-19

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

Faculty name	Name of Workshops/Seminars/ Conferences	Date	Participated/ Conducted/ Paper Presented
Dr. Rizwan Qaiser Danish	Empirical Investigation of Factors affecting consumers impulsive buying behaviour through urge to purchase	27-29 Oct. 2018	Melbourne, Australia
Dr. Sadia Farooq	Analyzing the efficiency of Health Care Centers in Pakistan :An application of data Envelopment Analysis	12-15 June 2018	Miami USA
Dr. Ishfaq ahmad	Linking Anticipated Regret, Self-Efficacy, Family Support and Entrepreneurial Intentions: A Moderated Mediation Mechanism.	21-23 June	Istanbul, Turkey
Dr. Rizwan Qaiser Danish	Impact of Ethical leadership on Organizational Commitment and Organizational Citizenship Behavior with mediating role of Intrinsic Motivation	17-19 October 2019	San Antonio, Texas, USA
Dr. Fouzia ali	27-Week Training 46th Civil Services Academy Walton Road Lahore	31st Oct - Mar	Trainer
Dr. Fouzia ali	Two-Day Conference on "China Pakistan Economic Corridor- Managing the Change"	17th -18th Jan	Participated
Dr. Fouzia ali	2nd International Conference on Contemporary Issues in Management & Administrative Sciences (CIMAS) at Lahore College for Women University, Lahore.	26th- 28th March	Paper Presented



Dr. Fouzia ali	One-Day Seminar on “Re-Inventing Finance For a Digital World”	18th April	Participated
Dr. Fouzia ali	2nd International Interdisciplinary Conference on Gender, Work and Society At LUMS, Lahore	27th -28th April	Paper Presented
Dr. Fouzia ali	Training Needs Assessment Workshop Organized by Civil Services Academy, Walton Campus Lahore	25th July	Participated
Dr. Fouzia ali	Two-Day Workshop on “Strategic Planning of a Business School” Organized by NBEAC HEC	1st-2nd Aug	Participated
Dr. Fouzia ali	Two-Day Workshop on Python for Data Science at Kinnaird College for Women, Lahore	31st Aug – 1st Sep	Participated
Dr. Rizwan Qaiser Danish	one day training workshop on career counselling organised by CCPC at IER University of the Punjab, Lahore	26 November 2018	Participated
Dr. Rizwan Qaiser Danish	on day training workshop on Business research Using Software Riphah School of Business and Management, Riphah International University, Lahore	5 th January 2019	Conducted
Dr. Rizwan Qaiser Danish	One Day Training Workshop on SCOPUS database Punjab University Library, Lahore.	20 February, 2019	Participated
Dr. Rizwan Qaiser Danish	Training at Bahawalpur Women University,	16 March 2019	Conduced

Seminar/Workshop Organized

Date	Topic
03-10.2018	One day Seminar on Rad Safety by Motor way Police
16.10.2018	Knowledge Economy
31.01.2019	Career Awareness Session of ACC Pakistan
19.02.2019	Career Counseling Seminar by ICMA Pakistan
19.02.2019	Awareness Session on Islamic Banking by Al-Barka Bank
20.02.2019	Awareness Session on Investors and Capital Market by Pakistan Stock Exchange
26.03.2019	One day Seminar on Pakistan Resolution Day :A day of Commitment
30.03.2019	Financial Accounting Competition 2019
18.04.2019	One day Seminar on Re-Investing Finance for a Digital World
30.04.2019	Career Counseling Session by ICAP
19.09.2019	One day Training on Grooming and Development



- **Research Journals**
Research Journal of Commerce
Hailey College Published Annual Journal Al-Iqtisad
- **Research Collaboration:** Funding Grants for R&D
 - HEC funding for M.Phil and Pd.d Students
 - HEC and University of the Punjab

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

The Department of Economics was actively involved in research and development during October 2018 to September 2019 as it initiated research collaboration process with Universities in France and Germany, signed MOU with Centre of Excellence for China Pakistan Economic Corridor, PIDE. The faculty participated in national and international conferences, successfully completed various research projects, published research papers in impact factor and HEC recognized journals, supervised M.Phil. and Ph.D. research work.

- **Project:** Completed
Project Statistics by Faculty

Category	Title of Project	Name of PI ¹	Sponsoring Agency	Project Start Date	Duration	Total Approved Budget
Completed	Impact of Training on Female Labor Force Participation: Evidence from Manufacturing Sector	Dr. Mumtaz Anwar Chaudhry	Pakistan Commission on the Status of Women (PCSW)	September 28, 2018	3.5 Months	Rs. 495,000/-

- **Publications:** Books / Edited / Report
Prof. Dr. Abdul Salam was recognized for his valuable contribution as author of a book titled "Economic Challenges Facing Pakistan in a Changing Regional and Global Environment" published by Lahore School of Economics (LSE). He wrote a book chapter titled "Consequences of Varying Exchange Rates for Agriculture in Punjab – Pakistan."
- **Research Publication Statistics by Faculty of Department of Economics**

Name	Research papers (With Impact Factor)	Research papers (HEC Recognized Journals)	Total
Prof. Dr. Mumtaz Anwar Ch.	02	01	03
Prof. Dr. Abdul Salam	---	01	01
Dr. Kalsoom Zulfiqar	---	01	01
Dr. Azmat Hayat	01	---	01

¹ Principal Investigator (PI)



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

Name	Details
Prof. Dr. Mumtaz Anwar Ch.	Presented a paper on “Impact of Training on Female Labor Force Participation: Evidence from Manufacturing Sector”, at Annual International Conference of the German Economic Association, 13-14 June 2019 Berlin, Germany
Prof. Dr. Abdul Salam	<ul style="list-style-type: none"> • Made a presentation on “Revitalizing Agriculture Sector in Pakistan”, at Annual Conference of PIDE, December 2018 • Presented a paper on “Consequences of Varying Exchange Rates for Agriculture in Punjab – Pakistan”, at 15th Int. Conference of LSE, March 2019
Dr. Azmat Hayat	<ul style="list-style-type: none"> • Discussant at Annual Conference of PIDE, December 2018 • Presented a paper at 34th Annual Conference of PIDE, December 2018
Ms. Fareena Noor Malhi	<p>Made two oral presentations in conferences including</p> <ol style="list-style-type: none"> 1. American Economic Association, “Going Beyond the Surface: Public Infrastructure Investment and Intra Household Hierarchy Within Females”, January 2019 2. International Association of Time Use Research, “Invisible Workforce and Married Women: What Time Use Data Reveals?”, July, 2019

○ **Seminars / Workshops**

The Department of Economics has arranged a number of workshops and seminars inviting known economists and social scientists across the globe. The brief details are as follows:

- Three day workshop on “Curriculum Orientation of BS Economics Program”
- Training workshop on “How to Prepare University Budget”
- Training workshop on “How to Procure”
- One day seminar on “Regulatory Issues in Islamic Finance”
- One day seminar on “Promoting and Protecting the Rights of Older Persons in Pakistan”

○ **Research Journal**

Pakistan Economic and Social Review (PESR) is a bi-annual journal (X - Category) of Department of Economics and it is indexed and/or abstracted in the IBSS (International Bibliography of the Social Sciences), BAS (Bibliography of Asian Studies), International Bibliography of EconLit, Cabell’s Directories, EBSCO, Index Copernicus, ULRICH’s periodicals Directory, DRJI and LabourDoc.

DEPARTMENT OF INFORMATION MANAGEMENT

○ **R&D-An Overview**

Department of Information Management published its HEC recognized journal "Pakistan Journal of Information Management & Libraries "(PJIM & L) and the faculty’s research got published in national and international journals and presented papers at national and international conferences.



- **Projects: (i) Completed** (duration, sponsoring agency, funding)
Conference funding approved by Punjab Higher Education Commission, Lahore for "International Conference on Information Management and Libraries" to be held on October 10-13, 2018 at Department of Information Management, PU of Rs. 845,000/-
- **Publications**
Sarwar, Raheem., Soroya, SairaHanif., Muazzam, Amina., Sabah, Fahad., Iqbal, Sehrish & Hassan, Saeedul. (2019). A Bibliometric Perspective on Technology-Driven Innovation in the Gulf Cooperation Council (GCC) Countries in Relation to Its Transformative Impact on International Business in Technology-Driven Innovation in Gulf Cooperation Council (GCC) Countries: Emerging Research and Opportunities. IGI Global.
- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
Dr. Khalid Mahmood
 - Chaired a session at the International Conference on "Transformation of Knowledge Repository into Knowledge Economy," organized by Minhaj University Lahore (MUL) and Pakistan Librarians Welfare Organization (PLWO), Lahore, Sep. 19-20, 2019.
 - Participated as resource person in the workshop on "How to publish your research" organized by Office of Research Innovation & Commercialization (ORIC), University of the Punjab, Lahore, Aug. 22, 2019.
 - Participated as resource person in the workshop on "Qualitative Research Essentials" organized by Department of Information Management, University of the Punjab, Lahore, Jul. 30-31, 2019.
 - Participated as resource person in the workshop on "Data Analysis Through AMOS" organized by Department of Information Management, University of the Punjab, Lahore, Jul. 24, 2019.
 - Participated as resource person in a workshop on "Skill Building of Library Leaders," organized by University of Peshawar, Baragali Campus, Jul. 5-7, 2019.
 - Participated as resource person in the workshop on "Data analysis through SPSS" organized by Department of Information Management, University of the Punjab, Lahore, Mar. 28-29, 2019.
 - Participated as resource person in the workshop on "Systematic review" organized by Shalamar Medical & Dental College, Lahore, Feb. 1, 2019.
 - Participated as resource person in a workshop on "Academic librarians of future" organized by Riphah International University, Islamabad, Jan. 18, 2019.
 - Delivered a lecture on "Literature review" at a research workshop organized by Department of Economics, University of the Punjab, Lahore, Jan. 1, 2019.
 - Organized as co-chair the 2nd International Conference on Information Management & Libraries (ICIML2), organized by Department of Information Management, University of the Punjab, Lahore, Oct. 10-12, 2018.



Dr. M. Rafiq

- Ullah, A. & Rafiq, M. (Nov. 10-12, 2018). *Correlation of learning practices with the level of expertise: A survey of library professionals in Pakistan*. 2nd International Conference on Information Management & Libraries (ICIML), Lahore.
- Khan, M. T. & Rafiq, M. (Nov. 10-12, 2018). *Social Media Services (SMS) in University Libraries of Pakistan: An Organizational Approach*. 2nd International Conference on Information Management & Libraries (ICIML), Lahore
- Rafiq, M. (Feb. 28-01 March, 2019). *Research Data Management: An extension of Library & Information Education and Services*. International Conference on Emerging Issues of Information Landscape (ICEIL), University of Sargodha, Pakistan.
- Resource Person - Webinar on *Research Data Management and Role of Libraries*. South Asia Chapter of Association for Information Science and Technology (ASIS&T); April 18, 2019.

Dr. Nosheen Fatima Warraich

- Warraich, N. F. (2019, August). In the eyes of beholder: Assessing the ICT competencies of LIS graduates through the lens of their employers in Pakistan. 85th IFLA WLIC (World Library and Information Congress, The International Federation of Library Associations and Institutions), Athens, Greece 24-30 August 2019.
- Warraich, N. F. & Rorrissa, A. (2018, November). Readiness for and Barriers to Implementation of Linked Data by Pakistani Libraries. 81st ASIS&T (Association for Information Science and Technology) Building an Ethical and Sustainable Information Future with Emerging Technologies, Annual Meeting 10-14 November, 2018 Vancouver, BC, Canada

Dr. Hina Batool

- Presented a well-received paper titled Mapping Digital Information Security Management in the University Libraries of Pakistan at 82nd Annual Meeting of the Association for Information Science & Technology, Melbourne, Australia, 19-23 October, 2019.
- Presented a paper titled Impact of information literacy skills on personal information management practices of journalists, at International Conference on Emerging Issues of Information Landscape (ICEIL), Pakistan, 1st March, 2019.
- Presented a paper titled Factors affecting knowledge sharing behaviour of Pakistani engineering students, at International Conference on Emerging Issues of Information Landscape (ICEIL), Pakistan, 1st March, 2019.
- Presented a paper titled Mapping the Digital Information Security Management in University Libraries of Lahore, at International Conference on Information Management & Libraries, Pakistan, 10-12 October, 2018.



- Presented a paper titled Analysis of IL Components in High School Curriculum and School Librarians' Expected Competencies, at International Conference on Information Management & Libraries, Pakistan, 10 -12 October, 2018.
- Presented a paper titled, "A grounded theory assessment of information literacy skills of A-level students: A call for school librarians' required competencies, at International Conference on Information Management & Libraries, Pakistan, 10 -12 October, 2018.
- Presented a paper titled Green University Libraries: A Call to Incorporate Green Literacy Skills and Environment-Friendly Behaviours, at International Conference on Information Management & Libraries, Pakistan, 10 -12 October, 2018.
- Conducted a successful workshop on Reference Manager Mendeley at Lahore Dental & Medical College November 12, 2019.
- Conducted workshop as resource person on How to be a Smart Teacher at Lahore Dental & Medical College on 12th June, 2019.
- Participated as resource person on a workshop Qualitative Analysis at Shalamar, Institute of Health Sciences, 31st January, 2019.
- Conducted workshop as resource person on Teaching Methodology and Curriculum Interaction in Pharmacy Education in Pakistan at Lahore Dental & Medical College on 20-21 December, 2018

Dr. Alia Arshad

- Alia Arshad & Kanwal Ameen presented a paper entitled "Social Science Faculty Information Needs and E-journals Use Behavior at the University of the Punjab" at Pakistan Library Club International Conference on August 2-4, Karachi, Pakistan.
- Alia Arshad & Kanwal Ameen presented a paper entitled "Arts and Humanities Academics Information Needs in Digital Era" at 14th International Conference of Knowledge Management, Vancouver, Canada, 9th - 10th November, 2018.
- Alia Arshad attended in 2nd International Conference of Information Management and Libraries (ICIML), 9th-11th October, 2018

Dr. Saira Soroya

- Hashmi, Farhana.,Ameen, Kanwal., & Soroya, SairaHanif. (2019). Factors Affecting the Job Performance of Information Professionals. Paper presented at ICKE, 19-20 September 2019. Minhaj University Lahore, Pakistan.
- Nazir, Mariam, and Soroya, SairaHanif. (2019). Health-Related Information Seeking from Social Media Sites: A Study of Chronic Disease Patients. Paper presented at ICKE, 19-20 September 2019. Minhaj University Lahore, Pakistan.
- Awan, Waqar Ahmed, Ameen, Kanwal & Soroya, SairaHanif. (2019). Research information Encountering and Sharing Behaviour of Pakistani Scientists in an online Environment. Paper presented at ICKE, 19-20 September 2019. Minhaj University Lahore, Pakistan.



- Nazir, Mariam, and Soroya, SairaHanif. (2019). Internet Use by Chronic Disease Patients for Health-Related Information Seeking. Paper presented in “International Conference on Emerging Information Landscape held in Sargodha, Pakistan on 28 February and 1st March 2019.
- Hashmi, Farhana.,Ameen, Kanwal& Soroya, SairaHanif. (2019). Social Competence: A Study of Adaptive Behavior of Information Professionals. Poster presented in “International Conference on Emerging Information Landscape held in Sargodha, Pakistan on 28 February and 1st March 2019.
- Hashmi, Farhana.,Ameen, Kanwal& Soroya, SairaHanif. (2018). Job Performance of M.Phil. Degree Holder Information Professionals. Paper presented in “2nd International Conference on Information Management and Libraries” held in Lahore, Pakistan on 10-12 October 2018
- One-day Hands-on training workshop on “Digital and Information Literacy” organized by the University of Home Economics, Lahore on 18 July 2019.
- Two-days Hand-on training workshop on “Data Analysis through SPSS” organized by Department of Information Management, at University of Punjab, Lahore on 28-29 March 2019.
- One-Day National Symposium on “Social Science Research”. Jointly Organized by Pakistan Librarian’s Welfare Organization and E-Library Lahore, Pakistan on 26 January 2019.

Dr. Amara Malik

- Khan, H., & Malik, A. “Mobile devices in medicine: A survey of how medical students use smartphones to find information” presented at: International conference on emerging issues of information landscape, Sargodha, Pakistan February, 28 March 01, 2019.

○ Research Journals

Dr. Khalid Mahmood

- Khan, A., Masrek, M. N., & Mahmood, K. (2019). The relationship of personal innovativeness, quality of digital resources and generic usability with users’ satisfaction: A Pakistani perspective. *Digital Library Perspectives*, 35(1), 15-30. [UK].
- Mahmood, K., & Khan, M. A. (2019). Comparison among Journal Impact Factor, Eigenfactor Score and SCImago Journal Rank Indicator of LIS journals. *Pakistan Library & Information Science Journal*, 50(1), 4-14. [Karachi].
- Tariq, M., Rehman, S. U., Mahmood, K., & Mustafa, G. (2018). Online information searching skills of business students. *Pakistan Journal of Information Management & Libraries*, 20, 39-59. [Lahore].
- Iqbal, H. M., Mahmood, K., & Iqbal, S. A. (2018). Factors contributing towards research productivity and visibility: A case study of Pakistan. *Libri: International Journal of Libraries and Information Studies*, 68(2), 85-98. [Germany]. [Impact Factor=0.553].



- Marei, H. F., Mahmood, K., & Almas, K. (2018). Critical size defects for bone regeneration experiments in dog mandible: Systematic review. *Implant Dentistry*, 27(1), 135-141. [USA]. [Impact Factor=1.214].
- Rafique, G. M., & Mahmood, K. (2018). Relationship between knowledge sharing and job satisfaction: A systematic review. *Information and Learning Science*, 119(5/6), 295-312. [UK].

Dr. M. Rafiq

- Khan, M. T., & Rafiq, M. (2019). Library Social Media Services (LSMS)! Going Viral for Survival. *Pakistan Library & Information Science Journal*, 50(3), 23-32
- Jabeen, M., Yun, Q., Imran, M., Jabeen, M., & Rafiq, M. (2019-Early Cite). Contextual variables explaining the influence of social networking sites for information communication among library users: Cross-cultural study between China and Pakistan using Structure Equation Modeling. *Journal of Librarianship and Information Science*, DOI: 10.1177/0961000619836721.

Dr. Nosheen Fatima Warraich

- Warraich, N. F., Rasool, T. & Sajid, M. (2019). Challenges to Use Open Government Data through the Citizens' Lens: A Systematic Review. *Journal of Political Studies*, 26(2). 1-14. [Lahore].
- Yasmin, S. Warraich, N. F., & Ali, I. (2019). Personal Digital Information Management Practices of Engineering Faculty: Finding, Organizing, and Re-finding Information. *Pakistan Journal of Information Management & Libraries (PJIM&L)*, 21 (1). [Lahore]
- Raza, Z. & Warraich, N. F. (2019). Semantic Web Technologies for Digital Collection of Libraries. *Pakistan Library and Information Science Journal*, 50(4), 71-77. [Karachi].
- Wahid, N. & Warraich, N. F. (2019). Research Performance Evaluation: An Analysis of Scientometric Indicators. *Pakistan Library and Information Science Journal*, 50(4), 33-39. [Karachi].
- Warraich, N. F., & Malik, A. (2019). Managing and Preserving Indigenous Newspapers in an Information Management Era: A Case of a Developing Country, *Serial Librarian*, 76(1-4). 1-8. [USA].
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- Warraich, N. F., Ameen, K., & Malik, A. (2019). Recruitment and retention of information professionals: library leaders' perspectives in Pakistan. *Global Knowledge, Memory and Communication*. 68(6/7). 568-580. [UK].
- Butt, N., Warraich, N. F., & Tahira, M. (2019). Development level of electronic government services: An empirical study of e-government websites in Pakistan. *Global Knowledge, Memory and Communication*. 68(1/2), 33-46. [UK].



- Rafiq, S., & Warraich, N. F. (2019). Medical undergraduate students' perception towards the use and non-use of e-books: a case from Pakistan. *Collection and Curation*, 38(2), 32-38. [UK].
- Hussain, T., Batool, S. H., Soroya, S. H., & Warraich, N. F. (2019). Pakistani prison libraries: an assessment of services and challenges. *Global Knowledge, Memory and Communication*, 68(1/2), 47- [UK].
- Jan, S. U., Anwar, M. A., & Warraich, N. F. (2019). The relationship between emotional intelligence, library anxiety, and academic achievement among the university students. *Journal of Librarianship and Information Science*, 52(1), 1-12. [Impact Factor=1.203].
- Rasool, T., Warraich, N.F., Rorissa, A. & Tahira, M. (2018). Information Quality of E-Government Website as perceived by University Students. *Journal of Political Studies*, 25(2), 181-195. [Lahore].
- Warraich, N. F., Ali, I., & Yasmeen, S. (2018). Keeping found things found: challenges and usefulness of personal information management among academicians. *Information and Learning Science*, 119(12), 712-720. [UK].
- Warraich, N. F., Amara Malik & Ameen, K. (2018). Gauging the collection and services of public libraries in Pakistan. *Global Knowledge, Memory and Communication*, 67(4/5), 244-258. [UK].
- Wahid, N., Warraich, N. F., & Tahira, M. (2018). Mapping the cataloguing practices in information environment: a review of linked data challenges. *Information and Learning Science*, 119(9/10), 586-596. [UK].
- Rorissa, A. (2018). Adoption of linked data technologies among university librarians in Pakistan: Challenges and prospects. *Malaysian Journal of Library and Information Science*, 23(3), 1-13. [Malaysia]. [Impact Factor=1.000].
- Ali, I., & Warraich, N. F. (2018). Linked data initiatives in libraries and information centres: a systematic review. *The Electronic Library*, 36(5), 925-937. [UK]. [Impact Factor=0.886].

Dr. Hina Batool

- Shfiq, M, Ur Rehman, S., & Batool, S. H. (2019). Academic library leaders' conceptions of library leadership in Pakistan. *Malaysian Journal of Library & Information Science*, [S. I.], 24 (2): 55-71, ISSN 1394-6234. Available at: <<https://mjlis.um.edu.my/article/view/19936> [Impact factor 1.0]
- Batool, S. H., & Webber, S. (2019). Mapping the state of information literacy education in primary schools: The case of Pakistan. *Library & Information Science Research*, 41: 123-131. [Impact factor=1.372]
- Hussain, T., Batool, S. H., Soroya, S., & Warraich, N. (2019). Pakistani prison libraries: An assessment of services and challenges. *Global Knowledge, Memory and Communication*, 68 (1/2): 47-59. (HEC-X category)



- Batool, S. H., & Webber, S. (2019). A contextual framework for primary education: Fostering information literacy in Pakistan. *Global Knowledge, Memory and Communication*. 68 (3): 164-176. Available at: <https://doi.org/10.1108/GKMC-06-2018-0060> (HEC-X category)
- Tabassum, F., Batool, S. H., Ameen, K., & Hassan, M. (2019). Status of school libraries and developmental issues in Pakistan. *Global Knowledge, Memory and Communication* 68 (4/5): 377-391. Available at: <https://doi.org/10.1108/GKMC-08-2018-0070> (HEC-X category)
- Shfiq, M., Ur Rehman, S. & Batool, S. (2018). Academic Library Leaders' challenges, difficulties and skills: An analysis of common experiences. *Libri*, 68(4): 301-313. DOI:10.1515/libri-2018-0063 (Impact Factor: .553)
- Ameen, K., Batool, S. H., & Naveed, A. (2018). Difficulties novice LIS researchers face while formulating a research topic. *Information Development*. (Impact Factor: 1.265)

Dr. Alia Arshad

- Arshad, A., & Ameen, K. (2019). Scholarly Information Seeking of Academic Engineers and Technologists. *International Information & Library Review*, 51(1), 1-8.
- Rafique, A., Ameen, K., and Arshad, A. (2019). Use patterns of e-journals among the science community: A transaction log analysis. *The Electronic Library*, 37 (4), 740-759. (Impact Factor)
- Arshad, A., & Ameen, K. (2018). Usefulness of E-journals Consortium in Pakistan: Academic Staff's Perceptions and Expectations. *Serials Review*, 44(4), 275-281. (Impact Factor)
- Arshad, A., & Ameen, K. (2018). Academic Scientists' Scholarly Use of Information Resources in the Digital Environment: Perceptions and Barriers. *Global Knowledge, Memory and Communication*, 67(6/7), 467-483.

Dr. Saira Soroya

- Awan, Waqar Ahmed, Ameen, Kanwal & Soroya, SairaHanif. (2019). Information encountering and sharing the behavior of research students in an online environment. *Aslib Journal of Information Management*. (Impact Factor)
- Hassan, Tauseef, Batool, Hina, Soroya, SairaHanif, Warraich, Nosheen Fatima. (2019). Pakistani prison libraries: An assessment of services and challenges. *Global Knowledge, Memory, and Communication*.
- Sabah, Fahad; Hassan, Saeed-Ul; Muazzam, Amina; Iqbal, Sehrish; Soroya, SairaHanif; Sarwar, Raheem. (2019). Scientific Collaborations Networks in Pakistan and their Impact on Institutional Research Performance: A Case Study Based on Scopus Publications. *Library Hi-Tech*. (Impact Factor)
- Ara, Mehvish & Soroya, SairaHanif. (2018). Do We Deliver What They Expect? Finding the Gap Between Users' Expected and Currently Received Library Services. *Pakistan Library and Information Science Journal*.



Dr. Amara Malik

- Warraich, N. F., Ameen, K., & Malik, A. (2019). Managing and preserving indigenous newspapers in an information management era: a case of a developing country. *The Serials Librarian*. DOI: 10.1080/0361526X.2019.1677543.
- Warraich, N. F., Ameen, K., & Malik, A. (2019). Recruitment and retention of information professionals: library leaders' perspectives in Pakistan. *Global Knowledge, Memory and Communication*, 68(6/7).
- Warraich, N. F., Malik, A., & Ameen, K. (2018). Gauging the collection and services of public libraries in Pakistan. *Global Knowledge, Memory and Communication*, 67(4/5).
- Malik, A., & Ameen, K. (2018). Library and information science collaboration in Pakistan: Challenges and prospects. *Information and Learning Science*, 119(9/10).

RESEARCH COLLABORATION

○ Foreign Linkages

A memorandum of co-operation with Graduate School of Education, University at Buffalo (The State University of New York) was signed for research, funding and exchange of faculty.

○ Funding grants for R&D

Dr. Nosheen Fatima Warraich, got PU travel grant to present her paper, "In the eyes of beholder: Assessing the ICT competencies of LIS graduates through the lens of their employers in Pakistan" at 85th IFLA WLIC (World Library and Information Congress, The International Federation of Library Associations and Institutions), Athens, Greece 24-30 August 2019.

INSTITUTE OF ADMINISTRATIVE SCIENCES

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

○ Research Publication

Sr.No.	Author	Title	Journal	Date
1	Nasira Jabeen	A Critical Analysis of Judicial reforms: Through the Prism of National Policy 2009.	Journal of Political Studies Vol. 25, No.2	2018
2	Nisar, S., Jabeen, N., & Sheikh, L	Reinventing Public Sector for Innovativeness and Performance: A Case Study of University of the Punjab, Lahore.	South Asian Studies Vol. 33 ,No. 1 Jan -June	2018
3	Farooq, M., Jabeen, N., Rizwan, A., & Salman, Y.	Autonomy of HR Practices in Pakistan: A Study of Provincial Autonomous Bodies.	Journal of the Research Society of Pakistan Vol. 55, Issue No. 1 Jan - June	2018



4	Naveed, S., Salman, Y., Jabeen, N., Jadoon, M. Z. I., & Irfan, S	Governance and Management of State-Owned Enterprises in Pakistan.	Pakistan Economic and Social Review Vol. 56, No. 1 Summer	2018
5	Zubair, S. S., Salman, D. Y., Irfan, D. S., Jabeen, D. N., & Moazzam, D. A.	Towards a holistic model of Public Service Motivation: A Systematic Literature Review.	Journal of the Research Society of Pakistan Vol. 55, No. 2 July - December	2018
6	Aslam, T. B., Salman, Y., Irfan, S., & Jabeen, N.	Smart Cities-A Multidisciplinary Perspectives Model.	South Asian Studies A Research Journal of South Asian Studies Vol. 33, No. 2, July – December	2018
7	Rathore, K. Afaf Khalid	Mediating effect of work-life balance on work motivation of post-graduate trainee doctors in public sector hospitals	Pakistan Economic and Social Review Vol. 56, No. 1 Summer	2018
8	Rathore, K. Abdul Qayyum Chudary, Muhammad Azad	Relationship between co- curricular activities and exam performance: Mediating Role of Attendance	Bulletin of Education and Research. Vol. 40, No. 1(April)	2018
9	Rathore, K. Arsalan Qaisar M. Adnan Sial	Understanding Impulse Buying Behaviour of Customers Through The Lens Of Different Marketing Related Promotional Practices	Journal of the Punjab University Historical Society Vol. 31, Issue No. 1, January - June	2018
1	Tayyab Ali Khan Nasira Jabeen	Higher Education reforms and tenure track in Pakistan: Perspectives of leadership and regularity agencies	Bulletin of Education and Research Vol. 41 No 2	2019
2.	Zahra Ishtiaq paul Kashif Rathore M. Adnan Sial	Reviewing the workforce diversity in Public administration: A South Asian perspective (1975-2019)	Journal of political studies, Vol. 26 No 2	2019
3	Syed Sohaib Zubair Nasira Jabeen Yaamina Salman, Muhammad Zahid, Sidra Irfan	Governance Context of Higher Education Sector of Pakistan	Pakistan Vision Vol. 20 No. 1	2019



4	Madiha Rehman Farooqui, Dr. Yaamina Salman, Prof. Dr. Zafar Iqbal Jadoon, Prof. Dr. Nasira Jabeen and Dr. Sidra Irfan	Institutional Complexity of Civil Service Reforms in Pakistan: Challenges and Impediments	Journal of Political Studies, Vol. 26, Issue 1,	2019
5	Asghar Ali Sidra Irfan Yaamina Salman	An Analysis of Entrepreneurial Perspective of Public Sector; A systematic literature review from 1990 to 2016	Business and Economic Review Vol.11 No. 3	2019
6	Ayesha Sarfaraz khan Arne Heise	The welfare state and liberal Democracy : A political economy approach	World Review of Political Economy Vol.10, No. 2	2019

INSTITUTE OF BUSINESS ADMINISTRATION

○ Publications

- Dr. Talat Islam - Assistant Professor-IBA, Ishfaq Ahmed, Ghulam Ali & Dr. Zeshan Ahmer Assistant Professor-IBA (2019). Emerging Trend of Coffee Cafés in Pakistan: Factors affecting revisit Intention. *British Food Journal*. 121(9):2132-2147.(Emerald, Impact Factor: 1.717).
- Dr. Talat Islam - Assistant Professor-IBA, Rashid Ahmad, Ishfaq Ahmed & Dr. Zeshan Ahmer - Assistant Professor-IBA (2019). Police work-family nexus, work engagement and turnover intention: Moderating role of Person-job-fit. *Policing: An International Journal of Police Strategies & Management*. 42(5):739-750 (Emerald, Impact Factor: 1.350)
- Dr. Talat Islam - Assistant Professor-IBA & Rashid Ahmed (2019). Does work and family imbalance impact on the satisfaction of police force employees? A “net or a web” model. *Policing: An International Journal of Police Strategies & Management*. 42(4):585-597 (Emerald, Impact Factor: 1.350)
- Dr. Talat Islam - Assistant Professor-IBA, Abdelmohsen A. Nassani, Abdullah M. Aldakhil, Muhammad M.Q. Rao & Khalid Zaman (2019). Impact of tourism and finance on women empowerment. *Journal of policy modeling*. 41(2):234-254 (Elsevier, Impact Factor: 1.254)
- Dr. Talat Islam - Assistant Professor-IBA, Rubeena Batool, Arshian Sharif, Khalid Zaman, Alaa Mohamd Shoukry, Mohamed A. Sharkawy, Showkat Gani, Alamzeb Aamir and Sanil S. Hishan (2019). Green is clean: the role of ICT in resource management. *Environmental Science and Pollution Research*. 26(4): 25341-25358 (Springer, Impact Factor: 2.914)



- Dr. Talat Islam - Assistant Professor-IBA, Haroon Ur Rashid Khan, Sheikh Usman Yousaf, Khalid Zaman, Alaa Mohamd Shoukry, Mohamed A. Sharkawy, Showkat Gani, Alamzeb Aamir, Sanil S. Hishan (2019). The impact of financial development indicators on natural resource markets: Evidence from two-step GMM estimator. *Resource Policy*. 62(Aug):240-255 (Elsevier, Impact Factor: 3.185)
- Dr. Talat Islam - Assistant Professor-IBA, Haroon ur Rashid Khan, Abdelmohsen A. Nassani, Abdullah M. Aldakhil, Muhammad M. Qazi & Khalid Zaman (2019). Pro-poor Growth and Sustainable Development Framework: Evidence from Two Step GMM Estimator. *Journal of Cleaner Production*. 206(1):767-784 (Elsevier, Impact Factor: 6.395)
- Dr. Talat Islam - Assistant Professor-IBA (2019). Motivation to transfer training in the learning organizations. *Journal of Management Development*. 38(4):273-287 (Emerald Publishing Group, ISI & Scopus Indexed).
- Dr. Talat Islam – Assistant Professor-IBA, Muhammad Anwar Rashid, , Muhammad Uzair Malik & Dr. Zeshan Ahmer – Assistant Professor-IBA (2019). Impact of Materialism on Impulsive Buying: Mediating role of credit card use and brand loyalty. *Pakistan Economic and Social Review*, 57(1):23-46 (Recognized HEC “X” Category).
- Dr. Talat Islam - Assistant Professor-IBA, Muhammad Anwar Rashid, & Dr. Zeshan Ahmer – Assistant Professor (2019). How organizational Politics Impact workers job-related outcomes? *Journal of Political Studies*, 26(1):183-191(Recognized HEC “X” Category).
- Dr. Talat Islam - Assistant Professor-IBA, Muhammad Khalid Khan & Momina Asad (2019). Workplace spirituality in South Asian context: The role of learning culture, organizational support and knowledge sharing. *South Asian Studies*, 34(1):195-212 (Recognized HEC “X” Category).
- Dr. Talat Islam - Assistant Professor-IBA, Muhammad Anwar Rashid, Rabeea Asif & Dr. Zeshan Ahmer - Assistant Professor-IBA (2019). Impact of Authentic Leadership on Employees Creativity and Innovation: Mediating Role of Psychological Capital. *Journal of the Research Society of Pakistan*, 56(1):61-72 (Recognized HEC “X” Category).
- Dr. Talat Islam - Assistant Professor-IBA (2019). Cultivating Entrepreneurs: Role of the university environment, Locus of control and self-efficacy. *Procedia Computer Sciences*. 158:642-647 (Elsevier).
- Dr. Talat Islam - Assistant Professor-IBA & Dr. Zeshan Ahmer - Assistant Professor-IBA, Nasir Abbas & Jafar Hussain (2019). Performance Evaluation of Public-Private Partnerships in Health Sector of Pakistan. *Journal of Public Policy and Administration Research*. 9(1):7-13.
- Dr. Zesahn Ahmer – Assistant Professor-IBA, Zulfqar Ahmad, Ghulam Ali, Hammad Hassan Mirza & Usman Yousaf (2019). Employees’ response to code of ethics and corporate philanthropic social responsibility: Evidence from Pakistan. *Journal of the Research Society of Pakistan*. 56(2):149-162 (Recognized HEC “X” Category).



- Dr. Sania Zahra Malik – Assistant Professor-IBA, Shazia Nauman & Faryal Jalil (2019). How workplace bullying jeopardizes employees' life satisfaction: The roles of job anxiety and insomnia. *Frontiers in Psychology*. 10(2292),1-13, doi: 10.3389/fpsyg.2019.02292. (Impact Factor: 2.129)
- Dr. Sania Zahra Malik – Assistant Professor-IBA & Tehmina Latif (2019). The effect of management strategic orientation towards innovations: A conceptual framework. *Pakistan Business Review*. 20(4):900-913. (Recognized HEC "X" Category).
- Dr. Muhammad Ali – Assistant Professor-IBA, Muhammad Usman Ghani & Basharat Raza (2019). Linking Human Resource Practice with Work Happiness Through Employee Resilience: Evidence from Pakistan. *Global Regional Review*, 4(3):82-91 (Recognized HEC "Y" Category).
- Dr. Muhammad Ali – Assistant Professor-IBA, Hina Bilal, Basharat Raza & Muhammad Usman Ghani (2019). Examining the Influence of Workplace Bullying on Job Burnout: Mediating Effect of Psychological Capital and Psychological Contract Violation. *International Journal of Organizational Leadership*, 8(2):1-11 (Clarivate Analytics/Emerging Source Citation Index).
- **Conferences, Seminars and Workshops, etc.**
 - Dr. Talat Islam, Assistant Professor (TTS) - IBA attended and presented a paper on "Cultivating Entrepreneurs: Role of the University Environment, locus of control and self-efficacy" in the 3rd World Conference on Technology, Innovation and Entrepreneurship organized by Istanbul University, Istanbul, Turkey on June 21-23, 2019.
 - Dr. Talat Islam, Assistant Professor (TTS) - IBA attended workshop on "Managing Workplace challenges and Harassment" organized by Institute of Administrative Sciences (IAS), University of the Punjab, Lahore on February 16, 2019.
 - Dr. Rafia Faiz, Assistant Professor-IBA attended and presented a paper on "Work-life interface among female entrepreneurs of Pakistan fashion industry: A Life Course perspective" in the 2nd International Interdisciplinary Conference on Gender, Work and Society 2019 in Lahore University of Management Sciences (LUMS), Lahore on April 27-29, 2019.
 - Dr. Rafia Faiz, Assistant Professor-IBA attended and presented a paper on "Coping with work-life conflict: A longitudinal study of women academics in Pakistan" in the Congress 2019 – Canadian Industrial Relations Association (CIRA) Conference at the Point Grey Campus of the University of British Columbia (UBC), Vancouver BC, Canada on June 5-7, 2019.
 - Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended and chaired session in the 10th International Conference on Systematic Innovation at Liverpool University Management School, University of Liverpool, United Kingdom on July 8-11, 2019.



- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended and presented a paper on “Linking Managerial Coaching with Innovative Work Behaviors of Employees through Affective Supervisory Commitment” in the 10th International Conference on Systematic Innovation at Liverpool University Management School, University of Liverpool, United Kingdom on July 8-11, 2019.
- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended and presented a paper on “The impact of entrepreneurship education on entrepreneurial intentions among students in Pakistan” in the 10th International Conference on Systematic Innovation at Liverpool University Management School, University of Liverpool, United Kingdom on July 8-11, 2019.
- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended and presented a paper on “Assessing the Impact of Managerial Coaching on Subordinates’ Feedback Orientation and Innovative Work Behaviors: Mediating Role of Affective Supervisory Commitment” in the 2019 Academy of Human Resource Development 26th International Research Conference at Marriot Downtown Louisville, United States of America (USA) on February 14-16, 2019.
- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA & Rizwan Danish attended and presented a paper on “Impact of Television Advertisement on Consumer Buying Behavior” in the 2nd International Conference on Contemporary Issues in Management & Administrative Sciences, Lahore College for Women University, Lahore on March 26-28, 2019.
- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended and presented a paper on “Impact of Workforce Diversity on Financial Performance of Banks in Pakistan” in the International Conference on Banking, Insurance & Business Management organized by Hailey College of Banking & Finance, University of the Punjab, Lahore on December 12-13, 2018.
- Dr. Muhammad Ali, Assistant Professor (TTS) - IBA attended 5th National Conference on Higher Education (NCHE) organized by Higher Education Commission (HEC), Islamabad at Sir Syed Campus, University of the Punjab, Khanaspur, Ayubia on August 2-4, 2019.
- IBA organized a competition to commemorate our National Poet Dr. Allama Muhammad Iqbal on November 11, 2019. The basic purpose of the event was to present a tribute to our national poet, Allama Muhammad Iqbal and explain his concept of Khudi. This event was organized to motivate and guide our youth to follow Iqbal's philosophy of 'Khudi'.
- IBA organized a lecture on topic “Motivation” by Mr. Qasim Ali Shah, an inspirational Speaker, Leader and Success Coach on 13th November, 2019.
- NSPIRE incubation gave different opportunities to students of IBA for their startups and for creating their own businesses. Regarding this awareness IBA arranged incubation outreach session on November 19, 2019.



- Milad UN Nabi celebrated at Institute of Business Administration on November 28, 2019. Basic purpose of celebrating this Holy Day to discuss and explain the life of Holy prophet (PBUH).
- IBA arranged a welcome party for BBA programs academic sessions 2018-22 & 2019-23 and also for MBA 3.5 Years academic session 2018-22 on December 5, 2019. All faculty members and students participated in the event.
- A welcome party arranged for M.Phil in Business Administration and MBA 1.5 Years academic sessions 2018-20 & 2019-21 as well as farewell party for BBA academic session 2015-19 on December 10, 2019 at Institute of Business Administration.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

To promote and enhance the research culture among Faculty and students of IBIT, The Director office has constituted 'IBIT Research Council' w.e.f. Aug 01, 2019. IBIT Research Council will ensure accomplishment of following tasks

- Publications of individual as well as group research work in journals with good impact factor
- Publication of Extracted work from the thesis of MBIT students in reputed international journals.
- Organizing/Hosting Research Conference at IBIT
- Launching Business & IT Journal

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Dr. Humara Bano (Research and Publication)

- Papers Presented In International Conferences:
 - Presented a research paper on "Application of 3D Techniques in Developing Geometrical concepts of Students with Visual Impairment" in 7th International Conference on Research held on 10-11 April, 2019 organized by Department of Education University of Education, Lahore.
 - Presented a research paper on "Errors of writing skills among children with intellectual and developmental disabilities" in 6th International Conference on Education ICORE 18 on 24-26 November, Organized by IER, University of the Punjab, Lahore.
 - Presented a research paper on "Preference of students between Annual and Semester System of Education" in International Conference on Teaching Learning (ICOTAL, 2019) February, 21-22, 2019 organized by Department of Education, The Islamia University of Bahawalpur.
 - Presented a research paper on "Similarities and Differences between Urdu and English Sign Language: A Content Review" in International Conference on Teaching Learning (ICOTAL, 2019) February, 21-22, 2019 organized by Department of Education, The Islamia University of Bahawalpur.



- Papers Presented in National Conferences:
 - Presented a research paper on, “An Analysis of Errors in Written Expression of Students with Hearing impairment” in National Conference on Research in Special Education on December 5, 2018 organized by Department of Special Education, Punjab University, Lahore.
 - Presented a research paper on, “Factors Affecting Educational and Personal Success of Students with Physical Disabilities” in National Conference on Research in Special Education on December 5, 2018 organized by Department of Special Education, Punjab University, Lahore.
 - Presented a research paper on, “Accessibility of Public Places and Problems Faced by Persons with Physical Impairment” in National Conference on Research in Special Education on December 5, 2018 organized by Department of Special Education, Punjab University, Lahore.

Dr. Hina Fazil (Research and Publication)

- Research and Publications
 - Hina, F., Hashmi, R., & Ali, H.M. (2019). Opportunities and Challenges Experienced by Women/Adolescent Girls with Intellectual and Developmental Disabilities. Pakistan Journal of Special Education. Department of Special Education, University of Karachi, Vol.19, ISSN No. 1818-2860.
 - Hina, F., & Shazi, I. (2019). Challenges Faced in Teaching Students with Visual Impairment by University Teachers in Inclusive Higher Education. Pakistan Journal of Special Education, Department of Special Education, University of Karachi, Vol.19. ISSN No.1818-2860.
 - Hina, F., Fariha, A., Khushboo, S., & Ulfat, J. (2018). Problems Faced by Special Education Teachers of Regular and Inclusive Schools in dealing with Children with attention Deficit Hyperactivity Disorder. Pakistan Journal of Special Education, Department of Special Education, University of Karachi, Vol.18.pp.187-204.
 - Ulfat, UJ., Hina, F., & Khushboo, S. (2018). Identification of Teacher’s Strategies in Managing Challenges of Non-Compliance Behavior of Children with Intellectual and Developmental Disabilities. Pakistan Journal of Special Education. Department of Special Education, University of Karachi, Vol.18.pp.233-246.
 - Hina, F., & Atif, M. (2018). Educational and Social Considerations in Spouse selection: Preferences of people with and without special Needs. Journal of Education Sciences and Research. Department of Education, University of Sargodha, Vol.5 No. 1 Spring.
 - Papers Presented International Conferences:
 - Presented a research paper on “Perceptions of Stakeholders About the Inclusion of children with Klinefelter Syndrome in Regular Schools of Lahore City” in 7th International Conference on Research held on 10-11 April, 2019 organized by Department of Education University of Education, Lahore.



- Presented a research paper on “Effect of Picture Exchange Communication System in Teaching of Autistic Children” in 4th International Conference on Research and Practices in Education on 19-20 February, 2019 organized by Department of Education AIOU, Islamabad.
- Presented a research paper on “To Study the Impact of Body Language in Teacher’s Teaching” in 4th International Conference on Research and Practices in Education on 19-20 February, 2019 organized by Department of Education AIOU, Islamabad.
- Presented a research paper on “Prevalence of Sensory Problems among children with Autism Spectrum Disorder” in 4th international Conference on Research and Practices in Education 19-20 February, 2019 organized by Department of Education AIOU, Islamabad.
- Presented a research paper on “Errors of writing skills among children with intellectual and developmental disabilities” in 6th International Conference on Education ICORE 18 on 24-26 November, Organized by IER, Punjab University, Lahore.
- Presented a research paper on “Views of teachers about the identification of sensory motor skills among the children with autism spectrum disorder” in 6th International Conference on Education ICORE 18 on 24-26, November organized by IER, P.U. Lahore.
- Presented a research paper on” To study the perceptions of special education teachers about in service teacher’s training programs” in International Conference on Teaching and learning (ICOTAL, 2019) February, 21-22, 2019 organized by Department of Education, The Islamia University of Bahawalpur
- Presented a research paper on “Aspirations of students with visual impairment about their future” in International Conference on Teaching and learning (ICOTAL, 2019) February, 21-22, 2019 organized by Department of Education, The Islamia University of Bahawalpur.
- Presented a research paper on “Educational Difficulties faced by persons with Klinefelter Syndrome” in International Conference on Teaching learning (ICOTAL, 2019) February, 21-22, 2019 organized by Department of Education, The Islamia University of Bahawalpur.
- Papers Presented in National Conferences
 - Presented a research paper on “Pedagogy for Sustainable Educational Development of Students with Special Needs” on January 25, 2019. 1st National Conference on Education Policy & Development, organized by Institute of Social and Cultural Studies, University of the Punjab.
 - Presented a research paper on “Equity and Equality of Inclusive Education: A Case study of Klinefelter Syndrome” on January 25, 2019 1st National Conference on Education Policy & Development, organized by Institute of Social and Cultural Studies, University of the Punjab.



- Presented a research paper on “Opinions of teachers about development of Oro Motor Skills among children with cerebral palsy” on December 05, 2018 2nd National Conference on Research in Special Education organized by Department of Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Assessment of Social Skills of Children with Autism Spectrum Disorder Studying in the Schools of Lahore City” on December 05, 2019 2nd National Conference on Research in Special Education organized by department of Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Social and Emotional Abilities of Children with Asperger’s Syndrome Perceived by their Teachers” on December 05, 2018 2nd National Conference on Research in Special Education organized by Department of Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Prevalence of Sleep Problems among Children with Autism Spectrum Disorder” on December 05, 2018 2nd National on Research in Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Development of Routine Schedule among Children with Autism Spectrum Disorder by Using Visual Approach” on December 05, 2018 2nd National on Research in Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Publications of Parents about the Identification of Sensory Motor Skills of their Children with Autism Spectrum Disorder” on December 05, 2018 2nd National on Research in Special Education, University of the Punjab, Lahore.

Dr. Rukhsana Bashir (Research and Publication)

- Research Work
 - Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore. as Principal Investigator. The topic of project is “An Evaluation of Rural Inclusive Education Program of Students with Special Needs in Punjab”.
 - Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore, as Co-Investigator. The topic of project is “An Evaluation of Rural Inclusive Education Program of Students with Special Needs in Punjab”.
 - Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore, as Co-Investigator. The topic of project is “Financial Autonomy for Unemployed and Disadvantaged Adolescents with Disabilities through Punjab Vocation Training Institutions”
- International conferences attended and presented papers
 - Presented a paper on “Disability and Social Exclusion: Experiences of Students with Hearing Impairment enrolled in Special Schools” in 3rd International Conference with theme Future Vision for the Development of Education and Teacher Preparation on December 17-19, 2018 organized by of Faculty of Education Ain Shams University, Cairo, Egypt.



- Presented a paper on “Computer Technology by the Visually Impaired Students studying at higher Education level” in 3rd International Conference with theme Future Vision for the Development of Education and Teacher Preparation on December 17-19, 2018 organized by of Faculty of Education Ain Shams University, Cairo, Egypt.

Dr. Samina Ashraf (Research and Publication)

▪ Research Work

- Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore. as Principal Investigator. The topic of project is “An Evaluation of Rural Inclusive Education Program of Students with Special Needs in Punjab”.
- Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore, as Co-Investigator. The topic of project is “An Evaluation of Rural Inclusive Education Program of Students with Special Needs in Punjab”.
- Completed Research Project 2017-2018 by Research Project Committee, University of the Punjab, Lahore, as Co-Investigator. The topic of project is “Financial Autonomy for Unemployed and Disadvantaged Adolescents with Disabilities through Punjab Vocation Training Institutions”

▪ International Conferences attended

- Presented a paper on “Disability and Social Exclusion: Experiences of Students with Hearing Impairment enrolled in Special Schools” in 3rd International Conference with theme Future Vision for the Development of Education and Teacher Preparation on December 17-19, 2018 organized by of Faculty of Education Ain Shams University, Cairo, Egypt.
- Presented a paper on “Computer Technology by the Visually Impaired Students studying at higher Education level” in 3rd International Conference with theme Future Vision for the Development of Education and Teacher Preparation on December 17-19, 2018 organized by of Faculty of Education Ain Shams University, Cairo, Egypt.

▪ Papers Presented National Conferences

- Presented a research paper on “Identifying factors leading to harassment of female students with deafness” on December 05, 2019 2nd National Conference on Research in Special Education organized by department of Special Education, University of the Punjab, Lahore.
- Presented a research paper on “Assessment of social skills of children with autism spectrum disorders studying in schools of Lahore city” on December 05, 2019 2nd National Conference on Research in Special Education organized by department of Special Education, University of the Punjab, Lahore.

Dr. Munawar Ahmed Malik

▪ Published papers

- A Correlative Study between depression and Academic Achievement of Students with Physical Challenges Studying through Non-Formal System of Education, published in International Journal of Innovation in Teaching and Learning (IJITL) Vol.V-Issue I (June 2019), page 20-31.



- Adequacy of Computer assisted phonological awareness intervention program for deaf children, published in Pakistan Journal of Distance and online learning (PJDOL) Vol: IV, Issue II, 2018, 177-194.
- The estimation of Resonance in Individuals with repaired with repaired cleft palate by using temple street scale, published in International journal of Medical research & Health Sciences, 8(3): 143-49. ISSN No. 2319-5886.
- Writing Skills Development among students with Deafness at Elementary Level, published in Bulletin of Education and Research, April 2019, Vol. 41, No. 1 pp. 1-16, ISSN-0555-7747.
- Seminars, Workshops & Conference, Symposium, etc.
 - “Awareness of Aphasia among Adult patients with Communicational Challenges” present at 2nd, International Conference in Special Education, June 11, 2019, at University of Karachi, Karachi.
 - “Challenges faced by students with visual impairment in taking examination” presented at 2nd International Conference in Special Education, June 11, 2019 at University of Karachi, Karachi.
 - “Phonological awareness skills in children with cochlear implantation” presented at 2nd International Conference in Special Education, June 11, 2019, at University of Karachi, Karachi.
 - “Awareness about Punjab Government’s Initiative about harassment of women – women Safety APP, presented at 7th International Conference on Education (ICE 7), April 11, 2019 at Education University Lahore.
 - “Development of Bilabial Plosive Stories for Reading Comprehension and Articulation Development, presented at ICOTAL, 21 Feb. 2019 at Bahawalpur University.
 - Dr. Maria Sohaib Qureshi
 - Papers Presented in International Conferences:
 - Presented a paper on “Perception of Stakeholders about enabling teachers of Children with Cerebral Palsy in Improving Children’s fine motor skills” in 4th Developmental Behavioral Pediatric Conference, from 7 – 9 November, 2019, organized by Department of Developmental & Behavioral Pediatrics. The children’s Hospital and Institute of Child Health, Lahore-Pakistan.
 - Presented a paper on “Challenges faced by parents of Children with Visual Impairment” in International Conference on Religion and Society in 13th Nov. 2019, organized by University of the Punjab, Lahore Pakistan in collaboration with University of Leeds, United Kingdom.
 - Presented a paper on “Assessing the needs of Cerebral Palsy teachers for enhancement of fine motor skills to support the academic activities” in 7th International Conference on Research in Education from 19-21 November, 2019 organized by IER, University of the Punjab, Lahore-Pakistan.



○ **RESEARCH COLLABORATION**

Indigenous: University of the Punjab

INSTITUTE OF EDUCATION & RESEARCH

○ **Publications**

Sr. No.	Name of Author	Title of Paper/Article
1	Dr. Rafaqat Ali Akbar	Exploration of Gaps between Intended and Enacted Physics Curriculum: Teachers' Professional Development Perspective. Bulletin of Education and Research 41 (2).
2	Dr. Rafaqat Ali Akbar	Readiness of Curriculum for Peace Education; Analysis of Urdu Curriculum at Elementary Level. Journal of Elementary Education. 29 (1).
3	Dr. Rafaqat Ali Akbar	Investigating Secondary School Effectiveness: Peer-Teacher Relationship and Pedagogical Practices. Bulletin of Education and Research 41 (1).
4	Dr. Rafaqat Ali Akbar	Teaching Practices Used for Developing English Writing Skill at Secondary Level. Journal of Educational Research 21 (2).
5	Dr. Abid Hussain Ch	Relationship between Moral Atmosphere of School and Moral Development of Secondary School Students Bulletin of Education and Research 40 (3).
6	Dr. Abid Hussain Ch	Identification of Institutional Factors of Research Productivity of Public Universities Teachers. Journal of Educational Research, 21 (2).
7	Dr. Mumtaz Akhter	A Comparison of Students' Self-concept on the Basis of Visual Impairment and Normal Vision. Bulletin of Education and Research 40 (3).
8	Dr. Rizwan Akram Rana	Relationship between the Levels of Motivation and Learning Strategies of Prospective Teachers at Higher Education Level Bulletin of Education and Research 41 (1).
9	Dr. Rizwan Akram Rana	Development of Teacher Motivation Scale at Secondary Level. Journal of Research and Reflections in Education 12 (2)
10	Dr. Rizwan Akram Rana	Effect of Working Memory on Students' Attitude towards Mathematics at Secondary Level. Pakistan Journal of Education 35 (3).
11	Dr. Muhammad Saeed	Relationship between University Students' English Proficiency, Academic Achievement and Their Satisfaction on Teachers' Feedback Bulletin of Education and Research 40 (3)
12	Dr. Muhammad Saeed	Impact of School Attendance on Grade I Students Academic Achievement at public and private sectors in district Lahore Pakistan Journal of Educational Research & Evaluation 5 (2)
13	Dr. Muhammad Saeed	Exploring External Expectations of Newly Entrants in University of the Punjab, Lahore. Journal of Educational Research 21 (2)



14	Dr. Muhammad Saeed	Effect of Reconstruction Activities on Intermediate Level Students' English Writing Skills. Journal of Educational Research 22 (2).
15	Dr. Abdul Qayyum Ch.	Organizational Commitment and Organizational Citizenship Behavior of Business Employees in Automobile and Telecommunication Sector of Pakistan. Pakistan Vision 19 (2)
16	Dr. Abdul Qayyum Ch. & Dr. Misbah Malik	Attitude of Students towards Learning Mathematics at Elementary Level. Journal of Elementary Education. 29 (1)
17	Dr. Abdul Qayyum Ch.	Significance of Reading and Writing in Understanding Islamic Study Subject Matter: Knowledge of Pre-School Teachers. AL-ADWA 33 (49)
18	Dr. Abdul Qayyum Ch.	Promoting Social Justice and Equity through University Education in Pakistan International Journal for the Scholarship of Teaching and Learning 12 (2)
19	Muhammad Aamir Hashmi	Comparison between Public and Private Secondary Schools regarding Service Quality Management and its Effect on Students' Satisfaction in Pakistan. Bulletin of Education and Research, 41 (2).
20	Muhammad Akram	Relationship between Students' Perceptions of Teacher Effectiveness and Student Achievement at Secondary School Level. Bulletin of Education and Research, 41 (2).
21	Dr. Muhammad Shahid Farooq	Nurturing Inclusive Education through Cooperative Learning as Pedagogical Approach at Primary School Level Pakistan Journal of Education 35 (3)
22	Dr. Abida Nasreen	Performance appraisal Practices in the universities of Punjab. Journal of Strategic Human Resource Management. 8 (2)
23	Dr. Abida Nasreen	An investigative study of learning disabilities in students studying computer. Journal of Secondary Education and Research (JSER 1 (1)
24	Abida Nasreen	The World of a School Principal: A Qualitative Study of Secondary School Principals' Selection, Capability, and Current Practices in the Province of Punjab. Bulletin of Education and Research 41 (2)
25	Dr. Effat Alvi	A case study of a Grade 7 Teachers' Perspectives and Practices Related to Self-Regulated Learning (SRL) Asia Pacific Journal of Teacher Education. Online Published
26	Dr. Effat Alvi & Munaza Nausheen	Examining Grade 9 Students' Engagement in Mathematical Problem-solving (MPS) When Working as Individuals and in a Small Group Setting. Bulletin of Education and Research, 41 (1).
27	Dr. Munaza Nausheen & Dr. Effat Alvi	Patterns of Gender and Disciplinary Disparities among Postgraduate Students' Motivational Beliefs: A Multivariate Analysis. Bulletin of Education and Research, 41 (1)



28	Dr. Munaza Nousheen	Gender and disciplinary differences in the future plans of post graduate students in Pakistan. International Journal of Gender Sciences & Technology 10 (2)
29	Dr. Tariq Hussain & Dr. Aroona Hashmi	Prospective Teachers' Attitude towards e-Learning. A Case of Pakistan. International Journal of Humanities and Social Sciences 8 (2)
30	Dr. Tariq Hussain	Prospective Teachers' Attitude toward the Use of ICT: An empirical Approach in Pakistan. International Journal of Humanities and Social Sciences 9, 2019.
31	Dr. Tariq Hussain	Educators' Favoritism: Evidenced Based Opinions of Pupil Teachers. Literacy Information and Computer Education Journal. (LICEJ) 10, 2019.
32	Dr. Tariq Hussain	Educators' competence Level in Effective Communication and Proficient Use of Information Communication Technologies (ECPCICT). Information and Computer Education Journal. (LICEJ) 10, 2019.
33	Dr. Shaukat Ali Raza	Impact of Leadership Style of Teacher on the Performance of Students: An Application of Hersey and Blanchard Situational Model. Bulletin of Education and Research. 40 (3)
34	Dr. Muhammad Islam	Learning Experiences and Motivation of Undergraduate Students in Pakistani EFL Classrooms: A Qualitative Study Bulletin of Education and Research 41 (1)
35	Dr. Muhammad Islam	Teacher Educators' Beliefs regarding Elementary School Curriculum in Pakistan. Journal of Elementary Education. 29 (1).
36	Mr. Asim Nazir, & Dr. Rizwan Akram Rana	Effect of working memory on students' attitude towards mathematics at secondary level. Pakistan Journal of Education, 35(3)
37	Dr. Misbah Malik	Perceptions of University Students about Causes of Terrorism. Bulletin of Education and Research, 40 (3).
38	Dr. Umm-e-Salma	Role and Effects of Social Media on family and Society. Epistemology Annual & Bi-lingual research journal for Islamic Social Sciences 5 (5)
39	Dr. Shazia Malik	The Effect of Orientation and Mobility Curriculum on the Academic Achievement of Visually Impaired Children among Public and Private Institutes of Lahore. The Multilingual Academic Journal of Education and Social Sciences (MAJESS) 6 (1)
40	Dr. Shazia Malik	Conceptualizing Orientation and Mobility Practices within the Expanded Core Curriculum. Global Journal of Humanities and Social Science. 18 (9)
41	Dr. Ummara Saher & Dr. Abid Hussain Ch.	A Comparison of Self-Perceived Employability of Graduates from Public and Private Universities of Punjab. Bulletin of Education and Research 41 (1)



42	Tahira Afridi and Abid Hussain Chaudhry	Technology Adoption and Integration in Teaching and Learning at Public and Private Universities in Punjab. Bulletin of Education and Research, 41 (2).
43	Dr. Amna Saeed & Dr. Mumtaz Akhter	A Study of University Teachers' Approaches to Teaching at Undergraduate Level in Punjab, Pakistan. Bulletin of Education and Research 41 (1)
44	Dr. Anjum Naz, Dr. Abida Nasreen & Dr. Abdul Qayyum Ch	Pre-Primary Students' insights regarding School, Teacher and their Education Journal of Elementary Education. 29 (1).
45	Dr. Misbah Malik	Perception of University Students and Causes of Terrorism. Bulletin of Education and Research, 40 (3).
46	Dr. Misbah Malik	Implementation of Early Childhood special education Curriculum in the Actual Classroom: A Qualitative Investigation. Journal of Education & Humanities Research 5 (1)
47	Abdul Majid Khan Rana	Activity-Based Teaching versus Traditional Method of Teaching in Mathematics at Elementary Level. Bulletin of Education and Research, 41 (2).
48	Ms. Tayyaba M. Akram	The Impact of Parental Enforcement, Societal Demands and Text Books Role on Students' Interest towards the subject of Chemistry. International Journal for Cross-Disciplinary Subjects in Education. 9(3)
49	Ms. Tayyaba M. Akram	Characterization and optimisation of photocatalytic activity of TiO ₂ and Ag doped TiO ₂ by degradation of synthetic textile effluent. Polish Journal of Environmental Studies.
50	Tayyaba M. Akram	Effect of Different Parameters on Photocatalytic Oxidation of Slaughterhouse Wastewater by Using TiO ₂ and Silver Doped TiO ₂ nano particles. Polish Journal of Environmental Studies.

- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - Prof. Dr. Rafaqat Ali Akbar participated as keynote speaker in International Seminar on "Challenges of Nation & Education System" (CNES) being organized by International Islamic University Islamabad, from 13-05-2019 to 14-05-2019.
 - Prof. Dr. Rafaqat Ali Akbar participated as keynote speaker in 2nd "International Conference on Teaching and Learning" held on February 21-22, 2019 at Department of Education, Islamia University Bahawalpur.
 - Prof. Dr. Rafaqat Ali Akbar participated as resource person in Training Workshop being organized by University of Gujrat on November 27-29, 2018.
 - Prof. Dr. Rafaqat Ali Akbar, Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.



- Prof. Dr. Rafaqat Ali Akbar participated in 2nd International Conference on Innovation in Teaching and Learning-2018 (ICITL-18) held on October 17-18, 2018 being organized by International Islamic University, Islamabad.
- Prof. Dr. Rafaqat Ali Akbar participated in National Conference on Emerging Trends and Challenges in Educational Assessment (NCETCEA) held on October 3rd-4th, 2018 being organized by National University Modern Languages, Islamabad.
- Prof. Dr. Rafaqat Ali Akbar participated in 3rd National Accreditation Council for Teacher Education (NACTE) National Conference on “Rethinking Teacher Education” from 4-6 September, 2018 at University of Balochistan Quetta.
- Prof. Dr. Mumtaz Akhter, Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Prof. Dr. Abid Hussain Ch. Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Prof. Dr. Rizwan Akram Rana, Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Dr. Muhammad Saeed, Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Dr. Muhammad Shahid Farooq Organized & participated in 6th International Conference on Research in Education (ICORE 18) with the theme: Reaching the Unreached through Quality Education organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Dr. Tairq Mahmood Ch. participated as a keynote speaker delivered a lecturer on “Leadership Role in Promoting Inclusive Education on the importance of Practices of Educational Leadership” at the International Conference and Innovation Exhibition on Global Education (ICEGE) on 28th & 29th November, 2018 organized by School of Education and Modern Languages University Utara Malaysia, Malaysia.
- Dr. Tariq Mahmood Effect of Principals’ Instructional Leadership Behavior on Teachers Professional Development at Secondary Schools August 8-10, 2018 International Teacher Education Conference 2018, Indiana University School of Education, Bloomington in USA.



- Dr. Tariq Hussain, participated in 6th International Conference on Research in Education (ICORE 18) organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Dr. Aroona Hashmi, participated in 6th International Conference on Research in Education (ICORE 18) organized by IER, University of the Punjab, Lahore from November 20-22, 2018.
- Dr. Tariq Hussain Organized and conducted workshop on EndNote Reference Management Workshop on Thursday, 10th April 2019 at 10:00 am in Waheed Shaheed Hall, IER, University of the Punjab.
- Dr. Tariq Hussain Participated and presented paper in London International Conference (LICE-2018) on 10-13 December, 2018 held at Moller Center, Churchill College, University of Cambridge, United Kingdom.
- Mr. Asim Nazir participated in One-day workshop on “Semester Rules, Regulations and their Effective Implementation”, held on March 16, 2019, organized by Institute of Administrative Sciences, University of the Punjab, Lahore.
- Mr. Shamim Ullah, participated as member organizing committee in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore.
- Mr. Shamim Ullah participated in three day participatory workshop for Academic Researchers on Managing Yourself, your Thesis and your Publication held on 25-27 March 2019 organized by Institute of Education and Research, University of the Punjab, Lahore.
- Dr. Munaza Nausheen, participated in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore
- Dr. Effat Alvi, participated in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore
- Dr. Abida Nasreen, participated in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore
- Dr. Misbah Malik, participated in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore
- Dr. Umme Salma, participated in 6th International Conference on Research on Research in Education (ICORE) held on 20-23 November, 2018 organized by Institute of Education and Research, University of the Punjab, Lahore



- Dr. Shaukat Ali Raza (2019). Participated in a Seminar “Status of Teacher”. Lecture delivered on 01-05-2019 in a seminar on Yaum e Ustad celebrations at Jamia Urwa tul Wusqa, Lahore.
- Dr. Shaukat Ali Raza (2019). Participated in workshop as resource person and delivered a lecture on “Effectiveness of Teaching in Higher Education” in Teacher Training Workshop on March 27, 2019 at Riphah International University, Lahore.
- Dr. Shaukat Ali Raza, participated and presented paper on “Impact of Leadership Style of Teacher on the Performance of Students: An Application of Hersey and Blanchard” at 6th International Conference on Research in Education (ICORE) organized by IER, University of the Punjab, Lahore, November 20-22, 2018.
- Conferences/Workshops/Seminars Organized by IER
 - “6th International Conference on Research in Education (ICORE 18), on November 20-22, 2018. Seven hundred researchers, teachers, educators, teachers’ practitioners, social scientist, students and professionals from Pakistan & around the world participated in the Conference. They made their presentation and shared research based knowledge, experiences new advancements, empirical results and innovations in the field of education. ICORE organizing committee received 305 research papers from National and International researchers which were peer reviewed and more the two hundred and fifteen papers were accepted for presentation.
 - 10th Post Graduate Students’ Conference (PGSC) was held on 18-06-2019 with the theme: Quality of Teaching and Learning. The worthy Vice-Chancellor, University of the Punjab was the Chief Guest. A large number of participants were attended the conference. PGSC organizing committee received 70 research papers from National researchers which were peer reviewed and more the thirty five papers were accepted for presentation.
- Workshops and Seminars Organized
 - Organized four days participatory workshop on devising the Policy Development on Education from 16-01-2019 to 18-01-2019. All the faculty members of the Institute participated and gave their suggestions to finalize the document.
 - Organized three day participatory workshop for academic researcher titled “Managing your thesis and publications” held on 25-27 March, 2019 Dr. Muhammad Ahsan, Academic Advisor and Trainer, United Kingdom and Deputy Vice-Chancellor Academic, International Open University.
 - Department of Business Education, IER organized a seminar on ‘Job Market Trends’ on 03-05-2019. Ex-HR Manager Coca Cola Pakistan Ms. Shama Saghir was the guest speaker.
 - Organized seminar on “Critical Thinking and Logical Reasoning” on 20 December 2018. Dr. Nadeem Ahmad Bhatti, Training Consultant, Saudi Industrial Development Fund (SIDF) was the resources person and Prof. Dr. Rafaqat Ali Akbar presided over the seminar.



▪ Research Journals

- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 40, No. 3, 2018.
- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 41, No. 1, 2019.
- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 41, No. 2, 2019.
- Journal of Elementary Education, Institute of Education and Research, University of the Punjab Lahore Volume 28 No 2, 2018.
- Journal of Elementary Education, Institute of Education and Research, University of the Punjab Lahore Volume 29 No 1, 2019.
- Pakistan Journal of Educational Research and Evaluation (PJERE), Institute of Education and Research, University of the Punjab Lahore Volume 4, No.2, 2018.
- Pakistan Journal of Educational Research and Evaluation (PJERE), Institute of Education and Research, University of the Punjab Lahore Volume 5, No.1, 2019.

Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

○ Research and Development

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

○ Publications: Books/ Edited

- Rana Mujahid Saleem, Najaf Ali, Khurram Shahzad, Mahmood Saleem, 2018. Pyrolysis of Cotton Stalk in Fixed Bed Reactor: Effect of Particle Size of Feedstock on Bio-oil Yield. *NFC IEFR Journal of Engineering and Scientific Research*, 6, 142-147
- Ahmad Ijaz, Ali Najaf, Qadir Abdul, Shahzad Khurram, Mahmood Saleem, 2018. Effect of catalyst (aluminum oxide) on bio-oil yield from pyrolysis of Pakistani Cotton Stalk. *Journal of the Pakistan Institute of Chemical Engineers* 461, 1813-4092.
- Iqbal, A., Sattar, H., Haider, R., Munir, S., 2019. Synthesis and Characterization of Pure Phase Zeolite A4 from Coal Fly Ash. *Journal of Cleaner Production*, 219, 258-267.



- Liu, F., Guo, H., Wang, Q., Haider, R., Urynowicz, M., Fallgren, F., Jin, S., Tang, M., Chen, B., Huang, Z., 2019. Characterization of organic compounds from hydrogen peroxide-treated subbituminous coal and their composition changes during microbial methanogenesis. *Fuel*, 237, 1290-1216.
- Riaz, D. Verma, H. Zeb, J. H. Lee, J. C. Kim, S. K. Kwak, J. Kim, 2018 "Solvothelmal liquefaction of alkali lignin to obtain a high yield of aromatic monomers while suppressing solvent consumption", *Green Chemistry*, 20, 4957-4974
- **Conferences, Seminars and Workshops, etc.** (sponsors, oral Presentation + Poster Presentation)
 - Awan Asifa, Saleem Mahmood, Basit Abdul, 2018. Simulation of Proton Exchange Membrane Fuel Cell by using ANSYS Fluent. IOP Conference Series: Materials Science and Engineering. V. 414, pp 1757-899
 - Saleem Mahmood, Baig, N. 2018. Production of bio-oil and bio-char from different biomasswastes. IOP Conference Series: Materials Science and Engineering. V. 458, pp 11757-899

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Research & Development**
Research and Development is the backbone of our department. No institute can groom without working in R&D. The department continues to enjoy significant growth and momentum in its research productivity. Faculty submitted approximately 03 proposals, more than 01 active grants are in progress and 20 international research paper have been published. These encouraging research trends reflect active involvement of an increasing number of engineering faculty members in research, demonstrate the caliber of our faculty members and the success of our strategically focused interdisciplinary research model.

- **Projects: Completed**

Sr. No	Project Name	Duration	Sponsoring Agency	Funding (Mill Rs)	Status
1	Research Collaboration between Pakistan and the United States on the Development of Innovative Technical Textiles and Medical Textile Products Under Pakistan and United States Science and Technology Cooperation Program 2014 North Carolina (NC) State University Raleigh USA	3 years	Funding Agency Pakistan Side: Higher Education Commission (HEC), Government of Pakistan Funding Agency USA Side: National Academy of Sciences (NAS) USA	38.496	In progress



2	Principal Investigator (PI) for research project "Synthesis and characterization of polymers blends for packaging applications"	1 year	Punjab University	0.15	Completed
3	Development of Chitosan PVA or Chitosan PLA/HA based smart materials for controlled drug delivery in Periodontal disease	1 year	HEC	0.485	completed

○ **Publications:** Books/ Edited

- Muhammad Munawar, Dirk Wolfram Schubert, ShahzadMaqsood Khan, Nafisa Gull, Atif Islam, Muhammad Atiq Ur Rehman and Monika M Voigt, Book title "Polyester - Production, Characterization and Innovative Applications", Chapter title "Particulate Filled Polyester Hybrid Composites" ISBN 978-953-51-5876-9, (2018) InTech Open.
- Nafisa Gull, ShahzadMaqsood khan, Atif Islam, Tahir Jamil, Muhammad TaqiZahid Butt "Polyaniline Blends, Composites, and Nanocomposites" 3rd Chapter "Modification of Polyaniline", ISBN: 978-0-12-809551-5, Elsevier, UK, (2018) 61-93.
- MariaWasim, AneelaSabir, Muhammad Shafiq,TahirJamilChapter: "Electrospinning: A Fiber Fabrication Technique for Water Purification", Book: "Nanoscale Materials in Water Purification", Edited By: Sabu Thomas, Daniel Pasquini, Shao-Yuan Leu, Deepu A. Gopakumar; Published by Elsevier, ISBN: 978-0-12-813926-4 (<https://www.elsevier.com/books-and-journals>); Published:23 November 2018 Chapter No.11 (p. 289-308);<https://doi.org/10.1016/B978-0-12-813926-4.00016-1>
- AneelaSabir, MariaWasim, Muhammad Shafiq,TahirJamilChapter: "Carbon Nanotube and Graphene Oxide Based Membranes", Book: "Nanoscale Materials in Water Purification", Edited By: Sabu Thomas, Daniel Pasquini, Shao-Yuan Leu, Deepu A. Gopakumar; Published by Elsevier, ISBN: 978-0-12-813926-4 (<https://www.elsevier.com/books-and-journals>); Published:23 November 2018 Chapter No.14 (p. 361-381);<https://doi.org/10.1016/B978-0-12-813926-4.00019-7>
- Aneela Sabir, Faizah Altaf, Muhammad Shafiq Chapter: "Synthesis and Characterization and Application of Chitin and Chitosan-Based Eco-friendly Polymer Composites", Book:Sustainable Polymer Composites and Nanocomposites",Edited By:Inamuddin, Sabu Thomas, Raghvendra Kumar, Mishra Abdullah M. Asiri; Published by Springer Cham, ISBN: 978-3-030-05398-7 Published:02 February 2019 Chapter No.46 (p. 1365-1405); DOI <https://doi.org/10.1007/978-3-030-05399-4>
- Nafisa Gull, ShahzadMaqsood Khan, Atif Islam, Muhammad TaqiZahid Butt"Hydrogels for biomedical applications" Book entitled "Bio Monomers for Green Polymeric Composites Materials" Published by; Wiley-Blackwell, UK. Book Editor(s): P.M. Visakh, Oguz Bayraktar, Gopalakrishnan Menon First published: August. 16,2019; <https://doi.org/10.1002/9781119301714.ch9>



- **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation + Poster Presentation)
 - Polyurethane based membranes for Reverse osmosis. SabaUrooge Khan, Sadaf Hafeez, Khadija Rafiq, Misbah Sultan, ShahzadMaqsood Khan, Atif Islam , Rafi Ullah Khan in “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore Pakistan Apr. 6-8, 2019
 - Nafisa Gull, ShahzadMaqsood Khan, Saba Zia, Rafi Ullah Khan, Muhammad TaqiZahid Butt. In vitro study of multi-responsive hydrogels as drug release carrier. “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Muhammad Mohsin, ShahzadMaqsood Khan, Saba Zia, Saba Urooge Khan, Nafisa Gull, Rafi Ullah Khan, Polymer modified concrete based on recycled polymers. “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Development of durable and efficient photo cleaning smart coatings, Muhammad Azam, Muhammad Awais, Dr.ShahzadMaqsood Khan, Saba Zia, Muhammad Shafiq, Prof. Dr. Rafi Ullah Khan “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Synthesis of eco-friendly polymeric tanning agents with improved retanning and thermal properties for leather Muhammad Naveed Ashraf, Dr. Shahzad Maqsood Khan, Prof. Dr. Shahid Munir, Rashid Saleem, Prof. Dr. Rafi Ullah Khan. “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Polyurethane based membrane for reverse osmosis Saba Urooge, SadafHafeez, Khadija Rafiq, Misbah Sultan, Shahzad Maqsood, Atif Islam, Rafi Ullah Khan. “8th Invention to Innovation Summit 2019” held in University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Participated in “One week workshop onSynthesis & Applications of Polyurethane (PU) Hydrogels”held at Department of Chemistry & Center for Learning & Teaching (CLT), Forman Christian College (A Chartered University), Lahore. June, 17-21, 2019
 - Participation as a Technology Presenter in “8th Invention to Innovation Summit 2017” at University of the Punjab, Lahore, Pakistan. Apr. 2-3, 2019
 - Participated in “Counting Violent Extremism Orientation” seminar organized by University of the Punjab, Lahore and Center for Health and Gender Equality (CHANGE) held at Institute of Education & Research, University of the Punjab, Lahore, Pakistan Jan. 22, 2019
 - Participated in workshop on Scopus, University of the Punjab, Lahore. Feb. 2019
 - Participated in Summit on Development of Wound Dressings and Periodontal Tissue regenerations Technology Presentation 8th Invention to Innovation Summit, University of the Punjab, Lahore. April, 2019
 - Participated in one day workshop on energy efficiency and conservation, University of the Punjab, Lahore. April, 2019



- Participated in workshop on How to write a project, University of the Punjab, Lahore. June. 18, 2019
- Participated in workshop on Does your Publication facilitate to improve professional experience or just a contribution, University of the Punjab, August.22, 2019

○ **RESEARCH COLLABORATION**

- Preparation of Formaldehyde – free Melamine Resins using Furfural as Condensing Agent and Investigation of their Retanning Performance. Muhammad Naveed Ashraf, ShahzadMaqsood Khan, ShahidMunir, Rashid Saleem, Society of Leather Technologists and Chemists. Volu 103, pp 272-278 (2019) (I.F. = 0.333)
- Synthesis of Orthanilic Acid Modified Glyoxylated Melamine Resin with Improved Retanning and Thermal Properties Muhammad Naveed Ashraf, ShahzadMaqsood Khan, ShahidMunir, Rashid Saleem, Journal of the Society of Leather Technologists and Chemists (2019) (I.F. = 0.351)
- Hybrid crosslinked hydrogels as a technology platform for in vitro release of cephradine. Nafisa Gull, ShahzadMaqsood Khan, Muhammad TaqiZahid Butt, Saba Zia, Syed Khalid, Atif Islam, Imran Sajid, Rafi Ullah Khan, Martin William King. Polymers for Advanced Technologies, 30, 2414-2424 (2019)(I.F. = 2.162).
- Fabrication and modelling of the macro-mechanical properties of cross-ply laminated fiber reinforced polymer composites using artificial neural network. ShahzadMaqsood Khan, Samandar Ali Malik, Nafisa Gull, Sidra Saleemi, Atif Islam, Muhammad TaqiZahid Butt. Advanced Composite Materials. 28: 409-423. (2019) (I.F. = 1.393) Accepted
- Controlled release of cephradine by biopolymers based target specific crosslinked hydrogels. Atiya Butt, SehrishJabeen, NumrahNisar, Atif Islam, Nafisa Gull, Sadia Sagar Iqbal, Shahzad Khan, BasitYameen. International Journal of Biological Macromolecules 121: 104-112 (2018)(I.F. = 4.784)
- Synthetic and Natural Polymer Blends. Tehreem Anwar, Dr. ShahzadMaqsood Khan, Prof. Dr. Muhammad TaqiZahid Butt2, Dr. Atif Islam Nafisa Gull, Muhammad Shafiq, Saba Zia, Dr. Sadia Sagar Iqbal, Adnan Ahmed, Fahd Jamshed. Pakistan Plastic Manufacturing Association (PAK PLAS) (2018)
- Hydrogels as Drug Haulier for Biomedical Applications, Nafisa Gull, Dr. Shahzad Maqsood Khan, Prof. Dr. Muhammad Taqi Zahid Butt, Dr. Atif Islam, Muhammad Shafiq, Dr. Aneela Sabir, SadafHafeez, Saba Urooj Khan, SehrishJabeen. Pakistan Plastic Manufacturing Association (PAK PLAS) (2018)
- Asim Raza, Atif Islam, Aneela Sabir, Nafisa Gull, Israr Ali, Rashid Mehmood, Gul Hassan, Muhammad Umair Khan. PVA/TEOS cross-linked membranes incorporated by ZnO-NPs and NaAlg to improve reverse osmosis performance for desalination. Journal of Applied Polymer Science, 136 (2019)<https://doi.org/10.1002/app.47559> (I.F. = 2.188).



- Irtaza Javeria, Atif Islam, Nafisa Gull, Abdul Ghaffar, Shahzad Maqsood Khan, Aneela Sabir, Shaista Khaliq, Muhammad Taqi Zahid Butt, Sadia Atta. Controlled release of Montelukast Sodium from pH-sensitive injectable hydrogels. *Polymer-Plastics Technology and Materials*, (2019)<https://doi.org/10.1080/03602559.2018.1520256>(I.F. = 1.705).
- Sahar Tasleem, Aneeqa Sabah, Ujala A Cheema, Aneela Sabir, Transparent Hydrophobic Hybrid Silica Films by Green and Chemical Surfactants *ACS Omega*, American Chemical Society Volume 4 Pag.13543-13552
- In vitro study of chitosan-based multi-responsive hydrogels as drug release vehicles: A preclinical study Nafisa Gull, Shahzad Maqsood Khan, Muhammad Taqi Zahid Butt, Syed Khalid, Muhammad Shafiq, Atif Islam, Sumreen Asim, Sadaf Hafeeza and Rafi Ullah Khan *Royal Society of Chemistry* I.F= 3.146
- Maria Wasim, Aneela Sabir, Muhammad Shafiq, Rafi Ullah Khan Fractionation of direct dyes using modified vapor grown carbon nanofibers and Zirconia in cellulose acetate blend membranes *Science of the Total Environment* I.F=5.727
- Maria Wasim, Muhammad Shafiq, Rafi Ullah Khan, Aneela Sabir Crosslinked integrally skinned asymmetric composite membranes for dye rejection *Applied Surface Science* Volume 478, 1 June 2019, Pages 514-521 I.F= 5.255
- Misbah Sultan, Rahid Masood, Ismat Bibi, Imran Sajid, Atif Islam, Sadia Atta, Maliha Uroos, Yusra Safa, Haq Nawaz Bhatti. Impact of soft segment size on physicochemical and antimicrobial properties of waterborne polyurethane dispersions for textile applications, Accepted 15 April 2019, *Progress in Organic Coatings* 133 (2019) 174–179 (I.F=3.420).
- Atta Rasool, Sadia Ata, Atif Islam, Rafi Ullah Khan. Fabrication of novel carrageenan based stimuli-responsive injectable hydrogels for controlled release of cephadrine *RSC Advances* (2019); 9, 12282–12290 (I.F=3.049).
- Numrah Nisar, Omamah Ali, Atif Islam, Aftab Ahmad, Muhammad Yameen, Abdul Ghaffar, Munawwar Iqbal, Arif Nazir and Nasir Masood. A Novel Approach for Modification of Biosorbent by Silane Functionalization and its Industrial Application for Single and Multi-Component Solute System; accepted Jan 18, 2019 *ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-International Journal of Research in Physical Chemistry & Chemical Physics* Z.
- Misbah sultan, Alina Waheed, Atif Islam and Ismat Bibi, Eco-Friendly Reduction of Methylene Blue with Polyurethane Catalyst; *International Journal of Polymer Science* Volume 2019, Article ID 3168618, 9 pages. <https://doi.org/10.1155/2019/3168618> (2019)(I.F= 1.892).
- Atta Rasool, Sadia Ata, Atif Islam; Stimuli responsive biopolymer (chitosan) based blend hydrogels for wound healing application *Carbohydrate Polymers* accepted on 29 Sep 2018; 203 (2019) 423–429 (I.F=6.044).



- Muhammad Rizwan Dilshad, Atif Islam, Usamah Hamidullah, Fahd Jamshaid, Adnan Ahmad, Muhammad Taqi Zahid Butt, Aamir Ijaz; Effect of alumina on the performance and characterization of cross-linked PVA / PEG 600 blended membranes for CO₂/N₂ Separation and Purification Technology accepted on 2018; 210 (2019) 627-635 (I.F=5.107). Cited by 3
- 20 Sadia Atta, Anila Tabassum, Ismat Bibi, Samina Ghafoor, Abdul Ahad, Muhammad Arif Bhatti, Atif Islam, Hina Rizvi and Munawwar Iqbal. Synthesis and Characterization of ZnO Nanorods as Adsorbent for Cr(VI) Sequestration accepted Oct 23 2018; ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-International Journal of Research in Physical Chemistry & Chemical Physics Z. Phys. Chem. 2018; ISSN (Online) 2196-7156, ISSN (Print) 0942-9352, DOI: <https://doi.org/10.1515/zpch-2018-1203> (I.F=0.975).

○ **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 Science and Technology (NUST), Islamabad
- Quaid-e-Azam University, Islamabad
- Centre for Solid State Physics PU, Lahore
- Bahaudin Zakria University (BZU), Multan
- University of Engineering & Technology (UET), Lahore

Collaboration With Polymer Manufacturing And Processing Industries

- Polyurethane industries
- Sealants and adhesives industries
- Sports industries
- Paper and pulp industries
- Paint and Adhesive industries
- Distilleries/sugar industries
- Membrane Separation plants
- Rubber manufacturing industries
- Defense organizations
- University and educational institutes
- Research and Development Organizations

○ **Foreign Linkages**

Department of Polymer Engineering & Technology is trying to develop International collaboration with foreign universities in Polymer Engineering Research & Development. It is focused to match our quality and pace of work with the current research activities being performed in the developed countries. It will raise the working standard of our research. Adaptation of standard operating procedures for synthesis and testing as per international



standards will increase productivity and quality of our products to cope with international market increasing connectivity with the world.

In this perspective department has worked exponentially to develop strong foreign linkages for joint research projects and exchange of students with the foreign universities. Department, therefore, is in touch with a number of universities and professors and got positive replies for joint research working during the year 2018-19. List of professors with their names and departments is as under:

- Prof. Dr. Zhou Renjun Changsha University of Science and Technology China
- Prof. Dr. Xu Yi Hunan University China
- Prof. Dr. Sanaullah. Department of Chemical Engineering University of Malaysia Sarawak UNIMAS
- Prof. Dr. Martin William King. University of North Carolina USA Textile Engineering Bio Textiles
- Dr. Azahar Awan. Chemical Engineering, Polymers, Materials Engineering and Chemistry, Lehigh University USA.
- Prof. Dr. Martin William King School of Textile Engineering, Donghua University, Shanghai, China.
- Dr. Amman Ullah. Department of Agricultural, Food & Nutritional Science University of Alberta Canada
- Dr. Shahid Qamar. James Graham Brown Cancer Center, University of Louisville, Kentucky USA.
- Shuang Ma Andersen Department of Chemical Engineering, Biotechnology and Environmental Tech University of Southern Denmark
- Prof. Gernot Krammer Technische Universitat Graz
- Dr. Azhar Awan WR Grace, Cytec and Mallard Creek polymers and The Lewis Chemical Company. USA

○ **Funding grants for R&D**

- Pakistan-United States Science and Technology Cooperation Program 2014 Program Titled “Research Collaboration between Pakistan and the United States on the Development of Innovative Technical Textiles and Medical Textile Products. Between PU and North Caroline University USA 38.496 Mill Rs. HEC-PAK-USA Joint
- Principal Investigator (PI) for research project “Synthesis and characterization of polymers blends for packaging applications” 2017-2018 0.150 Mill Rs, Punjab University Research Grant (Completed)
- Development of Chitosan PVA or Chitosan PLA/HA based smart materials for controlled drug delivery in Periodontal disease 2018-19, 0.485 mill Rs. Higher Education Commission (completed)



DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

Research and Development – An Overview

The faculty members of Department of Metallurgy & Materials Engineering have been actively involved in R&D, which can be seen from the publications and conference presentation data given in the relevant section. The Department of Metallurgy & Materials Engineering arranged a seminar on Research Methodology for B.Sc. (Engg) students. The faculty members are supervising research projects of students of 8th Semester, who are carrying out mandatory research work in the field of corrosion, foundry, heat treatment, nanomaterials, biomaterials, photocatalysis, physical metallurgy, etc. The PhD faculty of the department is also supervising research projects of MSc. (Engg.) Metallurgy and Materials Engineering students.

○ **Projects**

Completed (duration, sponsoring agency, funding)

Name of Researcher	Title of Research Project	Duration	Funding (Rs.)	Sponsoring Agency
M A Raza	Synthesis of Graphene nanoplatelets and Development of Graphene nanoplatelet/polymer composites for electronics packaging and functional applications	2015-to date (in progress)	Rs. 17 million	NRPU project sponsored by HEC, Islamabad
Dr Aqil Inam	Development of Graphitic Free-cutting Steel	One Year	0.15 Million	University of the Punjab, Lahore
M U Manzoor	The development and characterization of novel Al-Cu-Glass fiber reinforced hybrid composites	One Year	0.15 Million	University of the Punjab, Lahore

Newly Launched

Name of Researcher	Title of Research Project	Duration	Funding (Rs.)	Sponsoring Agency
Dr. Aqil Inam	Machinability of Graphitic Free-cutting Steel from Various Starting Microstructures	One Year	0.15 Million	University of the Punjab, Lahore



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

Sr. No.	Name of Author	Name of Journal	Title of Paper/Article
1	Muhammad Taqi Zahid Butt	Materials Science & Technology (MS&T 2018), 14 – 18 October 2018, Greater Columbus Convention Center, Columbus, Ohio, USA	Electrochemical Characterization of Mechanically Exfoliated Graphite Based organic Dye Sensitized Solar Cell (DSSC)
2	Dr. Mohsin Ali Raza	16th International Symposium on Advanced Materials, 21-25th Oct, 2019, Islamabad, Pakistan.	Effect of precursor graphite on the thermal contact resistance of thermally reduced graphene oxide/silicone composites developed for thermal interface applications,
3	Dr. Mohsin Ali Raza	16th International Symposium on Advanced Materials, 21-25th Oct, 2019, Islamabad, Pakistan.	Manganese oxide-based hybrid electrodes for supercapacitor applications
4	Dr. Mohsin Ali Raza	16th International Symposium on Advanced Materials, 21-25th Oct, 2019, Islamabad, Pakistan.	Development of doped graphene oxide-based electrodes for Supercapacitor
5	Dr. Mohsin Ali Raza	16th International Symposium on Advanced Materials, 21-25th Oct, 2019, Islamabad, Pakistan.	Corrosion study of epoxy ester-based Zn rich paints for cold galvanizing of mild steel
6	Dr. Mohsin Ali Raza	World nanotechnology conference 2019, 15-17 April 2019, Dubai, UAE	Graphene oxide coated-glass fibers reinforced unsaturated polyester composites,
7	Dr. Mohsin Ali Raza	45th International conference on Metallurgical coatings and Thin Films, 23-28 April 2018, San Diego, CA, USA.	Corrosion study of silane-functionalized graphene oxide coatings on copper
8	Dr. Mohsin Ali Raza	Carbon 2018, 1-6th July 2018, Madrid, Spain.	Thermal contact resistance of various carbon nanomaterial-based epoxy composites developed for thermal interface applications,
9	Dr. Mohsin Ali Raza	Carbon 2018, 1-6th July 2018, Madrid, Spain.	Mechanical Properties and corrosion behaviour of functionalised graphene oxide-reinforced Epoxy Composites,



10	Dr. Mohsin Ali Raza	Fourth Frontiers of Advanced Materials Conference, 19-20th Feb, 2018, PCSIR, Lahore, Pakistan.	Graphene as anticorrosive coatings for metals and filler for polymer composites,
11	Dr. Muhammad Umar Manzoor	Materials Science & Technology (MS&T 2018), 14 – 18 October 2018, Greater Columbus Convention Center, Columbus, Ohio, USA	The Development & Characterization of Mechanically Exfoliated Graphite Based Counter Electrode for Natural Dye Sensitized Solar Cell (DSSC)
12	Mr. Muhammad Haseeb Shamsi	Materials Science & Technology (MS&T 2018), 14 – 18 October 2018, Greater Columbus Convention Center, Columbus, Ohio, USA	Quenching, Partitioning and Tempering of Experimental Steel

Mr. Ameeq Farooq

- First NACE International Corrosion Conference, in Pearl Continental, Karachi on 9th October 2018
- Workshop on Surfaces, Coatings, Corrosion & Applications, 7th – 8th March 2018, Institute of Space Technology, Islamabad
- 18th Annual Short course on Basic Principles of Corrosion Control and Cathodic Protection Technology, 26th - 28th March 2018,
- Electrochemical Methods in Corrosion Research (EMCR-2018), held on July 22 to 27, 2018 in Robinson College, University of Cambridge, UK
- 18th Annual Short course on Cathodic Protection System for Pipelines, Storage Tanks, Well Casing and Buried Plant Facilities (Advance Level), 2nd - 4th April 2018,
- 4th Dental & Biomaterials Summer Camp, 31st July to 03 August 2018, IRCBM,
- Workshop on Material Characterization, 3rd -5th December 2018 in National Centre for Physics, Islamabad
- Technical Lecture on Cathodic Protection by MAS Associates at Department of Metallurgy and Materials Engineering, University of the Punjab, Lahore on 11th and 13th December 2018
- 2019 NACE Northern Area Western Conference, held on February 5 to 7, 2019 in Calgary, Alberta, Canada
- 2nd NACE Pakistan Section International Corrosion Conference 2019, 01st October 2019 in PC Hotel Karachi
- 16th International Symposium on Advanced Materials (ISAM-2019), 21-25 October 2019 in National Centre for Physics, Islamabad



- 19th Annual Short course on Basic Principles of Corrosion Control and Cathodic Protection Technology, 25th - 27th March 2019, held at Department of Metallurgy and Materials Engineering, University of the Punjab, Lahore
- Corrosion Awareness Day 2019 at Department of Metallurgy and Materials Engineering, University of the Punjab, Lahore on 24th April 2019

○ Research Journals

Sr. No.	Name of Author	Name of Journal	Title of Paper/Article
1	Dr. Mohsin Ali Raza	Materials Research Express	Effect of morphology of manganese oxide on the capacitive behavior of electrodes
2	Dr. Mohsin Ali Raza	Materials Research Express	Mechanical properties of graphene oxide coated-glass fiber reinforced unsaturated polyester composites
3	Dr. Mohsin Ali Raza	Materials Research Express	Development of high strength austempered ductile iron (ADI) from conventional pig iron
4	Dr. Mohsin Ali Raza	Materials in Electronics	Thermal contact resistance of various carbon nanomaterial-based epoxy composites developed for thermal interface applications
5	Dr. Mohsin Ali Raza	International Journal of Advanced Manufacturing Technology	Experimental investigation of tribo-mechanical and chemical properties of TiN PVD coating on titanium substrate for biomedical implants manufacturing
6	Dr. Mohsin Ali Raza	Materials Science and Engineering C	Functionalized graphene oxide coating on Ti6Al4V alloy for improved biocompatibility and corrosion resistance
7	Dr. Mohsin Ali Raza	Polymer Composites	Development and mechanical characterization of composites based on unsaturated polyester reinforced with maleated high oleic sunflower oil-treated cellulose fiber
8	Dr. Mohsin Ali Raza	Thin Solid Films	Corrosion study of silane-functionalized graphene oxide coatings on copper,
9	Dr. Mohsin Ali Raza	Key Engineering Materials	Graphene Oxide Coatings Deposited on Steel Substrate Using Electrophoretic Deposition and Electrochemical Evaluation of Coatings in Saline Media,
10	Dr. Mohsin Ali Raza	Journal of Electronics materials: Materials in Electronics	Graphite nanoplatelet/rubbery epoxy composites as adhesives and pads for thermal interface applications,
11	Dr. Aqil Inam	Materials Research Express	Investigation on microstructural, mechanical, and electrochemical
12	Dr. Aqil Inam	Materials Research Express	Development of high strength austempered ductile iron (ADI) from conventional pig iron
13	Dr. Aqil Inam	Materials Research Express	Mechanical properties of graphene oxide coated-glass fiber reinforced unsaturated polyester composites
14	Dr. Aqil Inam	Materials Research Express	Effect of tempering time on microstructure, mechanical, and electrochemical properties of



			quenched-partitioned-tempered Advanced High Strength Steel (AHSS)
15	Dr. Aqil Inam	Materials Research Express	Effect of voltage and spray-off distance of electric-arc spray technique on surface properties of 6nickel-chrome (Ni-Cr) coating developed on 304L stainless steel
16	Dr. Aqil Inam	Journal of Nanoparticle Research	γ -Fe ₂ O ₃ photocatalyst immobilized on a porous Ni substrate for recyclable solar photocatalysis
17	Dr. Aqil Inam	Materials Research Express	Effect of morphology of manganese oxide on the capacitive behavior of electrodes
18	Dr. Aqil Inam	Materials Research Express	Mechanical and corrosion properties of medium carbon low alloy steel after cyclic quenching and tempering heat-treatments
19	Dr. Tahir Ahmad	Chemical Physics Letters	Multiple energy applications of quantum-dot sensitized TiO ₂ /PbS/CdS and TiO ₂ /CdS/PbS hierarchical nanocomposites synthesized via p-SILAR technique,
20	Dr. Tahir Ahmad	Journal of Archives of Civil and Mechanical Engineering	Microstructure characterization of AA7055-T6, AA6061-T6511 and AA7A52-T6 Al alloys subjected to ballistic impact against heavy tungsten alloy projectile,
21	Dr. Tahir Ahmad	Journal of Materials Research and Technology	Microstructure characteristic of spray formed 7055 Al alloy subjected to ballistic impact by two different steel core projectiles impact,
22	Dr. Tahir Ahmad	Chemical Monthly	Thermodynamic description of the Ce-Ga and Ga-Gd systems, Monatshefte für Chemie -
23	Dr. Tahir Ahmad	Journal of Materials Engineering and Performance	Effect of Y ₂ O ₃ addition on the Microstructure, Wear resistance, and Corrosion Behavior of W-4.9Ni-2.1Fe heavy Alloy,
24	Dr. Tahir Ahmad	Materials Science and Technology,	Corrosion behaviour of Nanocrystallines 304 Stainless Steel in Simulated Secondary side Environment
25	Dr. Tahir Ahmad	Materials Research Express	Microstructure, hardness and corrosion behavior of Ni-Ti alloy with the addition of rare earth metal oxide (Gd ₂ O ₃),
26	Dr. Tahir Ahmad	Journal of Physics and Chemistry of Solids,	Microstructure, magnetic properties, thermal stabilities and coercivity mechanisms of Ta doped Nd-Fe-B ribbons,
27	Dr. Tahir Ahmad	Journal of Nanomaterials and Biostructures	First Principles Study of Electronic, Elastic and Optical Properties of SnO under in-plane Biaxial Strain, Digest
28	Dr. Tahir Ahmad	Physica B: Condensed Matter	Microstructures and magnetic properties of cast alnico 8 permanent magnets under various heat treatment conditions,
29	Dr. Muhammad Umar Manzoor	Materials Research Express	Microstructure, hardness and corrosion behavior of Ni-Ti alloy with the addition of rare earth metal oxide (Gd ₂ O ₃),



30	Dr. Asma Salman	Journal of Faculty of Engineering and Technology	The Study of Electrochemical Behavior of TiN Coated Stainless Steel in Artificial Body Fluid
31	Dr. Atif Makhdoom	Physica Status Solidi A	Tailoring the charge transport properties of printable silicon nanocrystals by conjugated organic ligands
32	Dr. Atif Makhdoom	Journal of Nanoelectronics and Optoelectronics	Charge transport mechanism in thick-films of surface functionalized silicon nanocrystals
33	Mr. Ameerq Farooq	Nigerian Journal of Technological Research	Effect of quenching baths on microstructure and hardness of AISI1035 steel
34	Mr. Ameerq Farooq	Journal of the Pakistan Institute of Chemical Engineers	Corrosion Resistance Evaluation of zinc coatings on mild steel substrate for marine applications
35	Mr. Ameerq Farooq	Journal of the Pakistan Institute of Chemical Engineers	Corrosion Resistance Evaluation of zinc coatings on mild steel substrate for Soil applications
36	Mr. Ameerq Farooq	Materials Research Express	Improvement in Electrochemical Corrosion Resistance of Mg-Al-Zn Alloy by 250 keV Carbon Ions Irradiation
37	Mr. Ameerq Farooq	Materials Research Express	Mechanical and corrosion properties of medium carbon low alloy steel after cyclic quenching and tempering heat-treatments
38	Mr. Ameerq Farooq	Journal of Bio- and Tribo-Corrosion	Electrochemical and Cell Response of Surface Modified Ti6Al4V for Biomedical Applications
39	Mr. Ameerq Farooq	Journal of Basic Microbiology	Biocorrosion inhibition of Cu70:Ni30 by Bacillus subtilis strain S1X and Pseudomonas aeruginosa strain ZK biofilms
40	Mr. Ameerq Farooq	Anti-Corrosion Methods and Materials	Electrochemical and biological response of titanium (cp-Ti) after silicon ion implantation
41	Mr. Ameerq Farooq	Metallography, Microstructure, and Analysis	Effect of Heat Treatments on the Mechanical and Electrochemical Corrosion Behavior of 38CrSi and AISI 4140 Steels
42	Mr. Ameerq Farooq	Journal of the Pakistan Institute of Chemical Engineers	Effect on the pull out and the bond strength of concrete by different surface treatment of steel reinforcement bars
43	Mr. Ameerq Farooq	Electrochimica Acta	Evaluating the performance of zinc and aluminum sacrificial anodes in artificial seawater
44	Mr. Muhammad Ishtiaq	Material Research Express	Effect of voltage and spray-off distance of electric-arc spray technique on surface properties of nickel-chrome (Ni-Cr) coating developed on 304L stainless steel,
45	Mr. Muhammad Ishtiaq	Material Research Express	Effect of tempering time on microstructure, mechanical, and electrochemical properties of quenched-partitioned-tempered Advanced High Strength Steel (AHSS),



46	Mr. Muhammad Haseeb Shamsi	Material Research Express	Effect of tempering time on microstructure, mechanical, and electrochemical properties of quenched-partitioned-tempered Advanced High Strength Steel (AHSS)
47	Mr. Muhammad Haseeb Shamsi	Material Research Express.	Effect of voltage and spray-off distance of electric-arc spray technique on surface properties of nickel-chrome (Ni-Cr) coating developed on 304L stainless steel

RESEARCH COLLABORATIONS

○ Indigenous

- Chenab Engineering Works and Foundries (Pvt.), Faisalabad
- New Shalimar Steel (Pvt.) Ltd Lahore
- Universal Pistons Lahore
- Dr. Muhammad Raffi, Department of Materials Engineering, National Institute of Lasers and Optonics, Islamabad, Pakistan
- Prof. Dr. Ikhtlaq Ahmad, Department of Metallurgical and Materials Engineering, UET, Lahore

○ Foreign Linkages

- University of Leeds
- Dr. Aidan Westwood, SPEME, University of Leeds, UK
- Dr. Waseem Haider, Central Michigan University, USA

○ Funding grants for R&D

Department of Metallurgy and materials Engineering received a grant of Rs. 70 million for the purchase of Laboratory equipment from HEC under Capacity building project.

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

○ Projects

The following project is in progress under the Department of Textile Engineering and Technology:

S. No	Project Title	Funded by	Approved Amount
1	The Development of Innovative Technical Textiles and Medical Textile Products	College of Textiles, North Carolina State University, USA. USA	20.374 Million PKR
	Total		20.374 Million PKR

○ Publications

The faculty at the Department of Textile Engineering and Technology is actively engaged in R & D activities and has published their work in national as well as international journals of good repute. The details of publications during the year 2018-2019 are given below:



Sr. No.	Name of faculty member	Title of Paper/Article
1.	Dr. Javeed Ashraf Awan	Physiochemical Properties of Protic Ionic Liquids Mixed with Adenosine Triphosphate (ATP)/Water Mixture (2018)
2.	Dr. Javeed Ashraf Awan	Acid Base Demineralization of Pyrolytic Carbon Black Obtained From Waste Rubber (2018)
3.	Dr. Javeed Ashraf Awan	Co-pyrolysis and hydrogenation of Thar coal, waste plastic and waste oil blends for fuel oil production (2018)
4.	Dr. Javeed Ashraf Awan	Densities, apparent molar volume, expansivities, Hepler's constant and isobaric thermal expansion coefficients of the binary mixtures of piperazine with water, methanol and acetone at T = 293.15 to 328.15 K (2018)
5.	Dr. Javeed Ashraf Awan	Estimation of Toxic Metal Contamination levels in Beverages samples collected from Lahore city in Pakistan using atomic absorption spectrophotometer (2018)
6.	Dr. Javeed Ashraf Awan	An over view for Thermo physical properties of ATP & PILs(2018)
7.	Dr. Javeed Ashraf Awan	Estimation of Endocrine Disrupting Chemicals (EDCs) leaching from baby feeding bottles available in local markets of Pakistan (2018)
8.	Dr. Javeed Ashraf Awan	Estimation of heavy metals in infant formulas, tea whiteners and milk available in local marketsof Pakistan(2018)
9.	Dr. Javeed Ashraf Awan	Biodiesel production intensification through microbubble mediated esterification (2019)
10.	Mrs. Sidra Saleemi	Hydrophobic lipophilic modified cotton fabric for oil absorption applications (2018)
11.	Mrs. Sidra Saleemi	Female Body Shape Classifications and Their Significant Impact on Fabric Utilization (2018)
12.	Mrs. Sidra Saleemi	Fabrication and modelling of the macro-mechanical properties of cross-ply laminated fibre-reinforced polymer composites using artificial neural network (2019)
13.	Mrs. Sidra Saleemi	Bending properties and failure mechanisms of three-dimensional hybrid woven spacer composites with glass and carbon fibers (2019)
14.	Mrs. Sidra Saleemi	Mode I fracture toughness of fiber-reinforced polymer composites: A review (2019)
15.	Mrs. Sidra Saleemi	Braided Rope Sensor Based on Carbon Nanotube Yarn (2019)
16.	Mrs. Tabinda Riaz	A Study of Electrospinning and Characterization of Poly(ϵ -caprolactone) Nanofibers (2018)
17.	Mr. Abdul Moqeet Hai	Characterization and antibacterial property of Kapok fibers treated with chitosan/AgCl-TiO ₂ colloid (2018)



18.	Mr. Abdul Moqet Hai	Effect of polyester and elastane linear density on the physical and mechanical properties of dual-core-spun cotton yarns (2018)
19.	Dr. Muhammad Kashif Bangash	Joining of aluminium alloy sheets to aluminium alloy foam using metal glasses, Metals (Basel) (2018)
20.	Dr. Muhammad Kashif Bangash	Development and characterization of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance (2018)

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

Sr. No.	Name of Faculty Member	Title of Conference Paper	Name of Conference
1.	Mrs. Sidra Saleemi	Preparation of Phase Change Material on Polyester/Cotton Blend	1 st international Conference on Advances in Engineering and Technology (ICAET 2018)
2.	Mrs. Tabinda Riaz	Electrospinning of Poly(ε-caprolactone) Nanofibers	18th World Textile Conference (AUTEX 2018)
3.	Dr Muhammad Kashif Bangash	<i>Effect and Comparison of MWCNTs on the Flexural Behaviour of Carbon Fibre Reinforced Polymer (CFRP)/Al-foam and Al-honeycomb Sandwich Composites</i>	18th world textile conference (Autex 2018). Istanbul, Turkey. 20-22 June 2018. (Ref ID 3365)
4.	Dr Muhammad Kashif Bangash	<i>Comparison of Al-foam Core and Al-honeycomb Core Glass-fiber/Epoxy Sandwich Panels”.</i>	1st International Symposium on Mechanics, Glasgow, United Kingdom, 9-12 July 2018.
5.	Dr Muhammad Kashif Bangash	<i>Brazing Joining Of C/SiC to Ti6Al4V and the Joint Strength Improvement by Surface Modification</i>	CIMTEC 2018, 14th Ceramics Congress Perugia, Italy. 4-8 June 2018 Ref: CD: HP09

○ **Funding grants for R&D**

Three faculty members are on study leave for perusing higher studies (PhD) from Australia, France and China. Faculty at the Department actively participates in R & D activities. Every year faculty members get research incentive awards from Punjab University.

RESEARCH COLLABORATION

○ **Foreign Linkages**

- In Collaboration with College of Textiles NCSU, Funded by Pak-US technology cooperation program, a research collaboration between Pakistan and the United States on the Development of Innovative Technical Textiles and Medical Textile Products has been established.
- To promote joint research activities a MOU is being prepared to be signed between Department of Engineering and Technology and Donghua University, Shanghai, China.



○ **Funding grants for R&D**

All the faculty members are on Study leave for perusing higher studies (PhD) from Australia, France and China.

With an IPFP faculty member in the department and in collaboration with partner institutes, research project proposals are submitted for the following grants:

- NRPU (Title: Development Of Structural Health Monitoring System For Fiber Reinforced Polymer (FRP) Composite Structures) Worth: 19.042 Million PKR
- GCF (Title: Engineering A Circular Economy For Pakistan: Lab-To Market Approach For The Conversion Of Plastic Waste To Clean Fuels And Energy with PKR million: 18.45)
- Prime Minister's Task Force on Technology-Based Knowledge Economy. (Title: Next-Generation SMART TEXTILE Products (Development and Commercialization), Worth: 36.01 Million PKR

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
Development of Technologies for arsenic removal from potable drinking water [Arsenic Removal Plant (Flocculation-Filtration Technology and Absorption Technology)]	SNGPL	
Estimation modeling for calculation of volumetric impact of above ground/ under ground leakage at CMS of Distribution	SNGPL	
Energy Efficiency in Small to Medium Size Industry through Improvement in Design of Industrial Gas Burner	SNGPL	
Technology for Development of Desalination of Water with Solar Energy	SNGPL	
Energy Conservation in Boilers / Furnaces through Installation of Recuperator for Exhaust Gases and its Heat Usage for Primary and Secondary Air	SNGPL	
Development of Solar Water Heater for Geyser	SNGPL	
Development of coal briquette from coal powder	SNGPL	
Total		2.3 Million



○ Newly Launched

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

Project Title	Funded by	Approved Amount
Catalytic Conversion of Bio-Waste Especially Agricultural and Food Waste to Valuable Green Chemicals and Bio-Fuels	HEC	6.9 Million
Selection of Suitable Material for the Packaging of Carbonaceous Backfill for Transportation / Handling across the company	SNGPL	1.3 Million
Selection of Suitable Paint for the Cathodic Protection of above ground structures at sales meter stations(SMS)	SNGPL	
Development of User Friendly and Economical Gas Leakage Sensor and Alarm System for Domestic Sector	SNGPL	
Total		8.2 Million

○ Publications

The faculty at the Institute is actively engaged in R & D activities and has published their work in national as well as international journals of good repute. The details of publications during the year 2019 are given below:

Sr. No.	Name of faculty member	Title of Paper/Article
1	Prof. Dr. Mahmood Saleem	Production of bio-oil and bio-char from different biomass wastes
2	Prof. Dr. Mahmood Saleem	Simulation of Proton Exchange Membrane Fuel Cell by using ANSYS Fluent
3	Prof. Dr. Mahmood Saleem	Pyrolysis of Cotton Stalk in Fixed Bed Reactor: Effect of Particle Size of Feedstock on Bio-oil Yield
4	Prof. Dr. Syed Nadir Hussain	Cellulose acetate based thin film nanocomposite reverse osmosis membrane incorporated with TiO ₂ nanoparticles for improved performance
5	Dr. Hafiz. M. Anwaar Ashghar / Dr. Hamid Sattar	Green synthesis of stabilized spherical shaped gold nanoparticles using novel aqueous <i>Elaeis guineensis</i> (oil palm) leaves extract
6	Dr. Hafiz. M. Anwaar Ashghar	Quantitative growth evolution of gold nanoparticles synthesized using aqueous <i>Elaeis guineensis</i> (oil palm) leaves extract
7	Dr. Hafiz. M. Anwaar Ashghar	Effect of Volume of Gold Chloroauric Acid on Size, Shape and Stability of Biosynthesized AuNPs using Aqueous <i>Elaeis guineensis</i> (Oil Palm) Leaves Extract.
8	Dr. Khurram Shahzad	Correlation for Predicting Solid Holdup in The Circulation Fluidized Beds Riser
9	Dr. Rabya Aslam	Thermophysical Studies of Dibenzyltoluene and Its Partially and Fully Hydrogenated Derivatives



○ **Research Journals**

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

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

RESEARCH COLLABORATION

○ **Indigenous**

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

○ **Foreign Linkages**

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

○ **Funding grants for R&D**

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

DEPARTMENT OF ELECTRICAL ENGINEERING

○ **R&D- An Overview**

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

○ **Publications**

- Kamran Abid, Nabeel Sabir Khan, Uzma Farooq, Muhammad Shoaib Farooq, Muhammad Azhar Naeem, Adnan Abid, "A Roadmap to Elevate Pakistan Sign Language among South Asia's Regional Sign Languages", A Journal of South Asian Studies Vol. 33, No. 2, July- Dec 2018.
- M. Ahmad, H. M. Tanveer, Z. A. Shaikh, F. Zeeshan, U. S. Bajwa, "A Penalized-Likelihood Image Reconstruction Algorithm for Positron Emission Tomography Exploiting Root Image Size," Int'l J. Advan. Comp. Science and Appl. (IJACSA), Volume 9 Issue 4, 2018.
- A. Khan, N. Butt, Z. A. Shaikh, "Performance Evaluation and Optimization of Stepped Impedance and Stub-based Low-pass Filters for S-Band Applications", BUJICT, Article in Press, 2018.
- M. Abrar; N. Mukhtar; K. Habib; W. Qaiser; S. Rzaz; Power resilience through deployment & integration of Microgrid with Traditional Grid station. Accepted (and online) in Journal of Faculty of Engineering & Technology, University of the Punjab. XX(X) (2018) XX-XX

○ **Conferences, Seminars and Workshops**

- Attended by faculty members = 12;
- Organized = 3



- **Research Journals: 01**

RESEARCH COLLABORATIONS

- **Foreign Linkages**

Electrospell, UK and University of Glasgow, University of Cape Town (RSA), AAU (Denmark)

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **R&D-An Overview**

- One PhD scholar notified degree
- Four PhD Scholars submitted thesis at DPCC Punjab University
- Two 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		
					Int. (IF)	HEC Recog.	Conference Proceedings
1	Dr. Muhammad Usman Awan	Impact of leadership styles on employees' performance with moderating role of positive psychological capital	<i>Total Quality Management & Business Excellence,</i>	1-21 Sep 2019	JCR 2.18		
2	Dr. Muhammad Usman Awan	Driving Mobile Accounts Sales: Strategic Imperative for Telenor Pakistan	<i>Asian Journal of Management Cases</i>	12(2) Sep 2019	0.10		
3	Dr. Muhammad Usman Awan	Reducing the Risk of Pesticide Residues in the Groundwater: A Case Study of Punjab	<i>European Online Journal of Natural and Social Sciences</i>	8(2) June 2019	✓		
4	Dr. Muhammad Usman Awan	Impact of Capacity Building and Managerial Support on Employees' Performance: The Moderating Role of Employees'	<i>SAGE Open,</i>	9(3) July 2019	0.93		
5	Dr. Muhammad Usman Awan	Developing a structured framework for measuring police efficiency	<i>International Journal of Quality & Reliability Management</i>	35(10) Nov, 2018	2.07		
6	Prof. Dr. Muhammad Shafiq	Dimensions of Service Quality in Healthcare: Systematic Review	<i>International Journal for Quality in Health Care</i>	Feb 2019	JCR 2.554		



Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
7	Dr. Muhammad Shafiq	Stealth technology: Methods and composite materials - A review.	Polymer Composites	(June 2019)	2.268		
8	Dr. Muhammad Shafiq	Supply chain coordination to optimize manufacturer's capacity procurement decisions through a new commitment-based model with penalty and revenue-sharing.	<i>International Journal of Production Economics</i> ,	208, 512-528. (FEB 2019)	JCR 4.998		
10	Dr. Muhammad Shafiq	Processing of metallic fiber hybrid spun yarns for better electrical conductivity.	<i>Materials and Manufacturing Processes</i> ,	1-8 (APRIL 2019)	JCR 3.350		
11	Dr. Muhammad Shafiq	Coordination of a multi-echelon supply chain using spanning revenue sharing contract.	<i>International Journal of Industrial Engineering</i> .		0.537		
12	Dr. Muhammad Shafiq	Implementation Framework of ISO 22000 Food Safety Management System in Higher Educational Institutes (HEIs) Cafes of Pakistan.	<i>The Nucleus</i> ,	55(4), 200-218.	2.157		
13	Dr. Muhammad Shafiq	Role of batch size in scheduling optimization of flexible manufacturing system using genetic algorithm.	<i>International Journal of Industrial Engineering</i> ,	15(1), 135-146. (March 2019)	0.537		
14	Dr. Muhammad Shafiq	Qualitative and semi-quantitative analysis of health-care pharmaceutical products using laser-induced breakdown spectroscopy.	<i>Journal of Pharmaceutical Analysis</i> ,	9(1), 20-24. (FEB 2019)	4.440		
15	Dr. Muhammad Shafiq	Framework for Efficient Utilisation of Social Media in Pakistan's Healthcare Sector.	<i>Technology in Society</i> ,	56, 31-43. (FEB 2019)	1.670		
16	Dr. Muhammad Shafiq	An extensive study to assess the sustainability drivers of production	<i>Journal of Cleaner Production</i> ,	204, 744-752. (DEC 2018)	JCR 6.395		



Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
		performances using a resource-based view and contingency analysis.					
17	Dr. Muhammad Shafiq	Investigating the Adoption of Telemedicine Services: An Empirical Study of Factors Influencing Physicians' Perspective in Pakistan.	The Nucleus,	55(3), 153-163.	2.157		
18	Dr. Hakeem ur Rehman	Multi-Level Multi-Stage Lot- sizing and Scheduling, in the Flexible Flow Shop with Demand Information Updating,	<i>International Transactions in Operational Research,</i>	(FEB 2019)	JCR IF: 2.4		
19	Dr. Hakeem ur Rehman	Hakeem-Ur-Rehman, Guohua Wan, AzmatUllah, BadieaShaukat (2019), Individual and combination, methods to forecasting hierarchical time series under correlated data set: An empirical study,	<i>Journal of Management Analytics</i>	6(3) Feb 2019	H Index		
20	Dr. Fizza Ghulam Nabi	Identification of asthma severity levels through wheeze sound characterization and classification using integrated power features.	<i>Biomedical Signal Processing and Control,</i>	52, 302-311. (JULY 2019)	JCR 2.943		
21	Dr. Fizza Ghulam Nabi	Wheeze sound analysis using computer-based techniques: a systematic review.	<i>Biomedical Engineering/ Biomedizinische Technik,</i>	64(1), 1-28.	JCR 1.007		
22	Dr. Fizza Ghulam Nabi	Characterization and classification of asthmatic wheeze sounds according to severity level using spectral integrated features.	<i>Computers in Biology and Medicine,</i>	104, 52-61. (JAN 2019)	JCR 2.286		
23	Dr. Fizza Ghulam Nabi	Analysis of wheeze sounds during tidal breathing according to severity levels in asthma patients.	<i>Journal of Asthma,</i>	1-13. (FEB 2019)	JCR 1.802		



Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local		
					Int. (IF)	HEC Recog.	Conference Proceedings
24	Dr. Fizza Ghulam Nabi	Recommendations Related to Wheeze Sound Data Acquisition.	<i>Journal of Telecommunication, Electronic and Computer Engineering (JTEC),</i>	10(1-13), 117-120.	H Index 2018		
25	Dr. Fizza Ghulam Nabi	An Overview of Breath Phase Detection–Techniques & Applications.	<i>Journal of Telecommunication, Electronic and Computer Engineering (JTEC),</i>	10(2-7), 33-36.	H Index 2018		
26	Dr. Fizza Ghulam Nabi	Development of a Standalone Application to Measure Crosstalk in MMG Signals from Forearm Muscles during Wrist Postures.	<i>Journal of Telecommunication, Electronic and Computer Engineering (JTEC),</i>	10(2-7), 103-106.	2018 H Index		

- **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”.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

Research and Development

Faculty members of the IIS 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 2018-2019 as detailed below:

- **Projects: Completed:**

Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
1.	Dr. Asim Naeem Associate Professor	برصغیر کے تفسیری ادب کا تجزیاتی مطالعہ	150,000/-	P.U., Lahore



Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
2.	Dr. Usman Ahmad Assistant Professor	اشارات و تعبیرات سورة المزمل	125,000/-	P.U., Lahore

○ Newly Launched

Faculty members of the IIS have submitted the research proposals to the Punjab University for allocation of Research grants.

Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
1.	Dr. Asim Naeem Associate Professor	پاکستان میں مطالعہ مذاہب - علماء کی خدمات کا تنقیدی جائزہ	200,000/-	P.U., Lahore
2.	Dr. Usman Ahmad Assistant Professor	تخصصات امہات المؤمنین	150,000/-	P.U., Lahore
3.	Dr. Saeed Ahmad Saeedi Assistant Professor	حیات مشائخ چشت میں سماجی بہبود کی جہات	150,000/-	P.U., Lahore
4.	Dr. Muhammad Afzal Assistant Professor	وادی طائف - سیرت و تاریخ کے آئینے میں	150,000/-	P.U., Lahore
5.	Dr. Muhammad Abdullah Assistant Professor	غنیۃ المتملی فی شرح غیۃ المصلی المعروف شرح الکبیر للشیخ ابراہیم الحلبي الحنفی المتونی 956ھ ترجمہ و تخریج	150,000/-	P.U., Lahore

○ Research Publications

Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
1.	Prof. Dr. Muhammad Hammad Lakhvi	April 2019	قرآن اور ہجری واقعہ اصحاب کہف کے تناظر میں	Al-Qalam, IIS. PU. LHR.		Vol:23- S-I	
2.	Prof. Dr. Muhammad Hammad Lakhvi	Dec 2018	ہجرت حبشہ کے اسباب و علل کی مادی تاویلات کا تنقیدی جائزہ	Jihat-ul-Islam, P.U. LHR		12/1	
3.	Dr. Muhammad Saad Siddiqui	2019	تعدد ازواج - اہمیت و شرائط	Armagan-e Ilami		Vol: 5 HEC Approved	
4.	Dr. Muhammad Saad Siddiqui	Dec 2018	ماخذ و مصادر احکام القرآن للبصا - تحقیقی مطالعہ	Jihat ul Islam, P.U. LHR	Y	12/1	
5.	Dr. Ghulam Ali Khan	June 2019	عصر حاضر میں فروغ قادیانیت کے ذرائع اور مسلم امہ کا لائحہ عمل	Al-Qalam, IIS. PU. LHR.		Vol: 23-1	
6.	Dr. Shahida Parveen	Dec 2018	قرآن کریم کی غیر رسمی تدریس: حاجن فضل بی بی ایک تفصیلی مطالعہ	Jihat-ul-Islam, P.U. LHR		12/1	



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
7.	Dr. Shahida Parveen	2019	جدید مغربی فکر میں مطالعہ مذہب کے مناج	Al-Adwa, SZIC, P.U. LHR		34/51	
8.	Dr. Shahida Parveen	2019	نشور اور اس کے عصری اطلاقات	Jihat-ul-Islam, P.U. LHR		13/10	
9.	Dr. Asim Naeem	June 2019	تفسیر قرآن میں مصادر روایت اور بیان روایت نقل کرنے کے اسالیب (برصغیر کے تفسیری ادب کے تناظر میں)	Al-Qalam, IIS. PU. LHR.		23/1	
10.	Dr. Asim Naeem	2019	قرآن مجید کا اسلوب استفہام اور اردو دینی ادب میں اس کی تعبیرات - تجزیاتی مطالعہ	Jihat-ul-Islam, P.U. LHR		13/10	
11.	Dr. Asim Naeem	2019	ہیومنزم اور اس کے عوامل و عناصر - قرآنی فکر کا مطالعہ	Al-Adwa, SZIC, P.U. LHR		34/51	
12.	Dr. Asim Naeem	2019	The Act of Violence: An Analysis According to Al-Ghazali's Thoughts	The European Proceedings of Social & Behavioural Sciences, UK EpSBS Journal e-	ISSN: 2357-1330.		368-377
13.	Dr. Ihsan ur Rehman Ghauri	April 2019	کذاب راوی کی مرویات اور امام احمد بن حنبلؒ و علامہ احمد شاکر کی آراء کا تقابلی مطالعہ	Al-Qalam, IIS. PU. LHR.		23/S-1	
14.	Dr. Ihsan ur Rehman Ghauri	June 2019	مروجہ بنکاری میں سود اور اس کے تدارک کی جدید صورتیں	Al-Qalam, IIS. PU. LHR.		23/1	
15.	Dr. Hafiz Hasan Madani	April 2019	اقوام متحدہ کے انسانی حقوق کے عالمی منشور کا شرعی جائزہ	Al-Qalam, IIS. PU. LHR.		Vol:23- S-I HEC Approved	
16.	Dr. Hafiz Hasan Madani	2019	حاکم کے لئے مطلوبہ اہلیت اور شرعی ضوابط	Jihat-ul-Islam, P.U. LHR		13/10	
17.	Dr. Hafiz Hasan Madani	2019	الشرط العمریہ: شریعت و تاریخ کے آئینے میں	Al-Adwa, SZIC, P.U. LHR		34/51	
18.	Dr. Sadia Gulzar	June 2019	عصری معاشی مسائل اور فکر اقبال - ایک مطالعہ	Al-Qalam, IIS. PU. LHR.		23/1	
19.	Dr. Sadia Gulzar	2019	Pakistan's Economic Policies during Democratic Governments (1947-2012): An Analytical Study in Islamic Perspective" Published	Jihat-al-Islam	Y	12/2	



20.	Dr. Sadia Gulzar	2019	Economic Empowerment of Women and Challenges in Pakistan: An Analytical Study in Islamic Perspective	Al-Adwa	Y	34/52	
21.	Dr. Sadia Gulzar	2019	پاکستان میں بچوں پر جنسی تشدد اور فقہ السیرۃ کی روشنی میں تدارک	Al-ILM	Y	3/2	
22.	Dr. Usman Ahmad	June 2019	Legal Status of Currency note in Shariah: An Issue of Islamic Markets.	Al-Qalam, IIS. PU. LHR.		23/1 HEC Approved	
23.	Dr. Usman Ahmad	2019	مکاتیب نافع			Book Published	
24.	Dr. Usman Ahmad	Dec2 018	راجہ سرایتک - ایک ہندوستانی مدعی صحابیت	Jihat-ul-Islam, P.U. LHR		12/1	
25.	Dr. Usman Ahmad	June 2019	قبل از بعث نبوی ﷺ عرب میں بیٹیوں کو زندہ درگور کرنے کی رسم (آغاز، اسباب و محرکات سے متعلق آرا کا تجزیہ)	Jihat-ul-Islam, P.U. LHR		12/2	
26.	Dr. Saeed Ahmad Saeedi	June 2019	سنت نبوی ﷺ اور حالات و زمانہ کی رعایت (دعوت و تبلیغ اور سیاسی معاملات کے تناظر میں)	Al-Qalam, IIS. PU. LHR.		23/1	
27.	Dr. Saeed Ahmad Saeedi	2019	شاہ ولی اللہ کا نظریہ تقلید	Zia e Tehqeeq, GCU, FSD		18	140-152
28.	Dr. Saeed Ahmad Saeedi	2019	غزوات و سراپا میں اخلاق نبوی ﷺ کے مظاہر اور ان کی عصری معنویت	Rahat ul Qulloob,		3/2	1-15
29.	Dr. Saeed Ahmad Saeedi	Jul-Dec 2019	شرائع سابقہ میں حالات و زمانہ کی رعایت	Jihat ul Islam, P.U. LHR		13	139-158
30.	Dr. Saeed Ahmad Saeedi	2019	تعلیمات سید بھویر کی عصری معنویت	Al-Ehsan, GCU, FSD.		11	20-47
31.	Dr. Saeed Ahmad Saeedi	Jan-March 2019	قرآنی و غیر قرآنی اسلوب زندگی کا تقابلی مطالعہ	Abhath, Pakistan.		4/13	44-64
32.	Dr. Saeed Ahmad Saeedi	April-June 2019	قرآن حکیم کے اردو تراجم کی ابتدا اور اس کا ارتقائی جائزہ	Abhath, Pakistan.		4/14	39-51
33.	Dr. Muhammad Afzal	June 2019	شرعی امور میں تنگی اور مشقت کے خاتمہ کے لئے نبوی اقدامات	Al-Qalam, IIS. PU. LHR.		23/1	
34.	Dr. Muhammad Afzal	June 2019	پاکستان میں مدرسہ ایجوکیشن اور اکیسویں صدی کے چیلنجز	Jihat-ul-Islam, P.U. LHR		13/10	



35.	Dr. Muhammad Afzal	2019	شرعی امور میں آسانی اور سہولت کا تصور: قرآنی احکام کی روشنی میں	Rahat-ul-Quloob Research Academy Quetta	Y	03
36.	Dr. Sabhahat Afzal	Dec2018	ہجرت حبشہ کے اسباب و علل کی مادی تاویلات کا تنقیدی جائزہ	Jihat-ul-Islam, P.U. LHR		12/1

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

Sr. No.	Author's	Date	Title of Paper Presented	Conference / Venue
1	Dr. Shahida Parveen	2019	الدكتور خورشيد الحسن رضوى و دوره في تجليات الحسن الاسلامي في الادب العربي الحديث...	جامعہ جرش، المملكة الاردنية الهاشمية
2	Dr. Usman Ahmad	25-04-2019	اقبال کی نظم تنہائی - معنویت اور پیغام	Institute of Islamic Studies, P.U. LHR.
3.	Dr. M. Afzal	13 ⁻¹¹ -2019	Islamic Perspective of Family as a Fundamental Unit of Society	Institute of Social & Cultural Studies, P.U. LHR

○ **Seminars / Workshops Organized**

Institute of Islamic Studies Organized various Seminar / Workshops / Conferences during the academic session 2018-2019 as detailed below:

- International Mehfil e Husne Qiraat, Institute of Islamic Studies, P.U. LHR. 06-03-2019
- Seerat Seminar, ساجیات سیرت اور عورت کا مقام: عصری تحدیات, Institute of Islamic Studies, P.U. LHR 17-04-2019
- National Seerat Conference "وانک لعلی خلق عظیم" Institute of Islamic Studies, P.U. LHR 06-12-2018.
- Majlase Fazleen Uloom Islamia, 28-29 November 2018. Institute of Islamic Studies, P.U. LHR

○ **Research Journals**

Institute of Islamic Studies has published Bi-Annual Research Journal "Al-Qalam" (ISSN.....)

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

○ **Projects**

- Departmental Development
- Second Edition of the Urdu Encyclopedia of Islam

○ **Research Journals**

Dr. Muhammad Arshad (Chief Editor/ Professor)



۱۔ ”معارف نامے: پروفیسر مولوی محمد شفیع بہ نام ڈاکٹر محمد حمید اللہ“، معیار (اسلام آباد)، شمارہ ۲۰ (جولائی)۔ دسمبر

۲۰۱۸ء، ص ۳۷-۹۹۔

۲۔ ”معارف نامے: پروفیسر مولوی محمد شفیع بہ نام ڈاکٹر محمد حمید اللہ“، معیار (اسلام آباد)، شمارہ ۲۱ (جنوری)۔ جون ۲۰۱۹ء،

ص ۱۹۷-۲۳۴۔

۳۔ ”معارف نامے: رُوسائے شعبہ اُردو دائرۃ معارف اسلامیہ بہ نام ڈاکٹر محمد حمید اللہ“، باز یافت (لاہور)، شمارہ ۳۳ (جولائی)۔ دسمبر

۲۰۱۸ء، ص ۱۲۵-۱۵۵۔

Dr. Hafsa Nasreen (Senior Editor/ Assistant Professor)

”جذبہ تشکر کی عصری معنویت“ در الایام (ہائز ایجوکیشن کمیشن سے منظور شدہ)، مجلس برائے تحقیق اسلامی تاریخ و ثقافت،

کراچی، جولائی۔ دسمبر ۲۰۱۹ء، ج: ۱۰، شمارہ: ۲۔

Dr. Zahira Nisar (Senior Editor/ Assistant Professor)

1۔ ”کلام انشاء اللہ خاں انشاء در تذکرہ شعرائے اردو، از خیراتی لعل بے جگر مع تعارف“، مشمولہ ”الایام“ (منظور شدہ ایچ۔ ای۔ سی)

جنوری۔ جون ۲۰۱۹ء، جلد: ۱۰، شمارہ: ۱۔

2۔ ”ترجمہ میر تقی میر در ”تذکرہ شعرائے اردو“ از خیراتی لعل بے جگر“، مشمولہ ”الایام“ (منظور شدہ ایچ۔ ای۔ سی)، جولائی۔ دسمبر ۲۰۱۹ء، جلد: ۱۰، شمارہ: ۲۔

○ Conferences, Seminars and Workshops

Dr. Muhammad Arshad (Chief Editor/ Professor)

- Two-Days International Conference on “Orientalism in Muslim Tradition: Problems and Prospects”, organized by the Faculty of Arabic and Islamic Studies, University of Sargodha, held on 29-30 April, 2019.

Paper presented: “Muslim Response to Orientalism in South Asia: The Contribution of Shibli School”.

- Three-Days International Conference on Modern Trends and Innovations for the Modernization of Libraries, organized by King Abd al-Aziz Complex for Wakf Libraries, with collaboration of Islamic University Madinah al-Munawwarah, Saudi Arabic, held on 10-12 September, 2019.

Paper presented: “The Contribution of Da’irah al-Ma’arif al-Osmaniyyah (Hyderabad-Deccan) to the Preservation and Dissemination of Islamic Arabic Literary Heritage,”

- National Seminar on “Muhammad Asad and the Formation of Pakistan”, organized by Institute of Policy Studies and Council of Islamic Ideology (Islamabad), held in Islamabad, on 23 September, 2019.

Paper presented: “Muhammad Asad and the Making of Pakistan as an Islamic State”

Dr. Hafsa nasreen (Senior Editor/ Assistant Professor)

کانفرنس:

مقالہ بعنوان: ”مطالعہ انسائیکلو پیڈیا آف اسلام-تحدی و امکانات“، در دوروزہ بین الاقوامی کانفرنس ”مطالعہ استشرق کی مسلم روایت: رجحانات و

امکانات“ بتاریخ ۲۹-۳۱ اپریل ۲۰۱۹ء، بمقام سرگودھا یونیورسٹی، سرگودھا۔



SHEIKH ZAYED ISLAMIC CENTRE

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

Date : 18-10-2018

Topic : سیرت نگاری کے جدید رجحانات

Speaker: Prof. Dr. Yasin Mazhar Siddiqui, Former Director Institute of Islamic Studies, Ali Garh Muslim University, India

Date : 20-10-2018

Topic : Rights for the Disable Persons in the Islamic Society

Speaker:

Date : 26-11-2018

Topic : Contemporary Research Trends & Risale-i-Nur Studies

Speaker: (i) Dr. Hakan Gulerce, Assistant Professor at Department of Sociology Harran University, Turkey
(ii) Professor Dr. Ismail Latif, Hacinebioglu, Head of Philosophy Department, Istanbul University, Istanbul Turkey
(iii) Dr. Ahmet Yildiz, Legislatibe Expert in Human Rights Inquiry Committee of the Grand National Assembly of Turkey

○ **International conference**

An international Conference has been organized with coordination of Faculty of Social Sciences and Faculty of Islamic Studies on the Topic of Sanity and Religion. A high level delegation of Leeds University U.K. comprises on Prof. Dr. Suliman Saeed, Dr. Mustafa, Dr. Muhammad Paal, Dr. Yasmin and Dr. Tajul Islam has specially participated.. They had made very fruitful discussion with the faculty and students of the Centre.

○ **Publications: Books/Edited**

Following books have been published by Sheikh Zayed Islamic Centre:

Sr. No	Title of Book	Language	Writer / Researcher
1	Tuhfah al-Talibin by Suyuti	Arabic	Edited by Prof. Dr. Khalid Alavi
2	Sharh Arba'in al-Nawawi by Al-Nawawi	Arabic	Edited by Prof. Dr. Khalid Alavi
3	Al-Minhaj Al-Sawiyy by Suyuti	Arabic	Edited by Prof. Dr. Jamila Shaukat
4	Qala'id al-Juman by Ibn Al Sha'ar	Arabic	Prof. Dr. Khurshidul Hassan Rizvi
5	Qur'an o Sunnat Chand Mabahis-Vol.I-II	Urdu	Prof. Ahmad Yar
6	Arabi Sha'iri – Aik Ta'aruf	Urdu	Prof. Dr. Khurshidul Hassan Rizvi
7	Maghrabi Tehzib – Aik Muasrana Tajzia	Urdu	Prof. Dr. Javed Akbar Ansari
8	Pakistan main Arabi Zuban	Urdu	Prof. Dr. Mazher Moeen
9	Nabi-e-Karim Bahasiyat e Shauhr	Urdu	Dr. Bashir Ahmad Siddiqui
10	Maqalat e Gillani	Urdu	Maulana Manazar Hasan Gillani
11	Sharah Hamziyat e Ashr	Urdu	Dr. Sufi Zia ul Haq



12	Ijtihad Aur Asr e Hazar main is ski Qabile Amal Saurtain	Urdu	Sheikh Zayed Islamic Centre
13	Ikhtila e Qiraataur Nazaria Tehreef e Quran	Urdu	Ferozud Din Shah Khagga
14	Qiraat Shazza: Shari Hasiyyat, Tafseer o Fiqh par Asrat	Urdu	M. Aslam Siddiqu
15	Sajdatul Qalam	Urdu	Saeed Ahmad Bodla
16	Imam Ibn e Shahab Zuhri aurun par l'trazatka Tehqiqi Jaiza	Urdu	Dr. Muhammad Abdul Qayyum
17	Qaid-o- Band ki Sazaka Islamic Tasawwur	Urdu	Dr. Muhammad Ijaz
18	Islamic Banking in Pakistan An Analytical Study	Urdu	Dr. Muhammad Ijaz
19	The Role of Mosque in Muslim Community (An Empirical Study)	English	Dr. Ishtiaq Ahmad Gondal
20	Usuli Lughvi Quaid aur Tafsir e Quran	Urdu	Dr. Hafiz Abdullah
21	Jadeed Fiqhi Musail aur Fuqhai Pak o Hind kay Ijtihadat	Urdu	Dr. Hafiz Abdul Basit Khan
22	Aina Kirdar		Dr. Zahid Muneer Amir
23	Maliati Nazm ka Qayyam (Talimaat e Nabvi SAW ki roshni main)		Prof. Dr. Hafiz Mahmood Akhtar
24	Pakistan main Islam aur Liberalism ki Kashmakash		Dr. Ishtiaq Ahmad Gondal
25	Jama o Tadween e Quran		Dr. Muhammad Abdul Qayyum

○ Research Journal

A bi-annual and multilingual research journal "Al-Adwa" is being published by the Centre in past, which was an approved journal of Higher Education Commission in "Y" Category and currently has been placed in higher "X" Category. 50 issues have been published upto now on regular basis.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

○ Research & Development

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



Dr. Amanullah Malik	<ol style="list-style-type: none"> 1. Constitutional Jurisdiction of Public Interest Litigation Assuring Access to Justice in India, Journal of the Research Society of Pakistan, (Vol. 55, No. 2, Jul. –Dec., 2018) 2. Criminalizing Literature of Hate Speech in Pakistan Dr. Aman Ullah Assistant Professor, University Law College, Bazaft-32 (Jan. – Jun. 2018) Urdu Department, Punjab University, Lahore. (HEC recognized) 3. Governing Abuse of Free Speech during Elections in Pakistan by Aman Ullah Malik, A Research Journal of South Asian Studies, (Vol. 33, No. 1, Jan. – Jun. 2018). (HEC recognized) 4. Fundamental Rights as Basic Structure of Constitution: Judicial Restraint of Pre-Achakzai Case Aman Ullah Malik, Journal of Pakistan Vision (Vol. 19, No. 1, 2018) Published by: Pakistan Study Center ISSN – 1681-5742. (HEC Recognized) 5. The Politics of Pragmatism in Pakistan: A Case Study of the Pakistan People's Party Muhammad Iqbal Chawla Aman Ullah, Journal (Jan. – June 2018) Vol. XXXIX No.1. (HEC recognized) 6. Bazaft-32 (Jan. – Jun. 2018) Urdu Department, Punjab University, Lahore 27 Expanding Literature of Human Right to Life in Pakistan Tahir Parvaiz Malik / Aman Ullah. (HEC recognized)
Nameen Ullah Khan	Constitutional Manacles on Superior Court's Jurisdiction and Recent Scenario on Public Interest Litigation in Pakistan Current Issue (Vol. 33, No. 2, Jul. - Dec. 2018) Journal of South Asian Studies of Punjab University.-
Jawad Riaz	Jawad Riaz & Zakia Suleman: Refugee Law and Policy: An examination of refugee response framework in Pakistan and EU., International Journal of Law, Vol.4, Issue 2, March 2018 PP 162-168, (International Journal Recognized by UGC India)
Iftikhar Ahmad Tarar	<ol style="list-style-type: none"> 1. Alternative Dispute Resolution: A road less travelled in Pakistan., Journal of Punjab University Historical Society. Vol. 19, No. 2, 2018 2. Sexual Harassment: Comparative Analyses of Legislative and Institutional Arrangements in India and Pakistan, Journal of Pakistan Vision, Vol. 31, No. 2, Dec. 2018



○ **Projects: Completed**

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

RESEARCH COLLABORATION

- **Foreign Linkages:** West Law
- **Funding Grants for R&D:** West Law

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Research & Development**

The Faculty and students of the Centre are engaged in conducting quality research related to the field of Clinical Psychology. The faculty members are actively involved in research supervision, presenting their research work at national and international platforms and publish their work in journals of international repute. A wide range of research has been conducted on topics include causes and factors of Psychopathology in Pakistan and efficacy of different Therapeutic Interventions in the context of Pakistani culture. Moreover, development of Indigenous Assessment Tools, Translation and Adaptation of the Assessment tools and Norm Development are the major areas of research at the Centre. Research is part of all academic and training programs and students are provided with individualized research supervision. 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.

○ **Projects: Newly launched**

Sr. No.	Name of Faculty	Project Name	Duration	Sponsoring Agency	Funding	Present Status
1	Ms. Humaira Naz	Determinants of Psychological Well Being of Women with Menopausal Transition	One Year	CCP	0.159	In Process
2	Dr. Saima Dawood	Childhood Maltreatment and Self Esteem in Self-Harm Behaviors (Non Suicidal Self Injury)	One Year	CCP	0.500	In Process
3	Ms. Faiza Safdar	Inflated Responsibility, Meta-Cognition and Anxiety Control in Obsessive Compulsive Symptomology	One Year	CCP	0.153	In Process



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

National and International Conferences Conducted

Sr. No.	Title of Conference	Held on
1	National Conference of Psychology (COP – 2018)	6 th to 7 th July, 2018
2	International Conference on Recent Trends and Interventions in Clinical Psychology (RTICP – 2019)	20 th to 22 nd March 2019

○ **Workshops and Seminars Conducted**

Name of Resource Person	Sponsors	Presentation Oral / Poster	Topic	Date
Mr. Muhammad Faran Ali	CCP	Oral	AMOS	5 th , 6 th & 7 th September, 2018
Dr. Neelofer Rahman	CCP	Oral	Introduction to Acceptance Commitment Therapy	3 rd October, 2018
Dr. Neelofer Rahman	CCP	Oral	Supervision from Supervisor's Perspective	4 th October, 2018
Dr. Patricia Omidian	CCP	Oral	Focusing Level 1 & 2	5 th & 6 th November, 2018
Dr. Joseph Meagher	CCP	Oral	Drug Addiction	19 th November, 2018
Dr. Saadia Aseem	CCP	Oral	Qualitative Research Method: Introduction to Qualitative Interviewing	22 nd November, 2018
Dr. Faran Emmanuel	CCP	Oral	Manuscript Writing	11 th December, 2018
Dr. Neelofer Rahman	CCP	Oral	Acceptance and Commitment Therapy Level 1 & 2	24 th , 26 th , 27 th & 28 th December, 2018
Dr. Saima Ehsan	CCP	Oral	Interpretative Phenomenological Analysis: Introduction, Theoretical Underpinnings and Advanced Data Analysis	21 st January, 2019
Ms. Hafsa Noreen	CCP	Oral	Clinical Phonology	4 th February, 2019
Prof. Dr. Nusrat Hussain	CCP	Oral	The Twelve Who Survived: The Importance of Research in Parenting Intervention	6 th February, 2019
Ms. Hafsa Noreen	CCP	Oral	Clinical Phonology	11 th February, 2019



Ms. Hafsa Noreen	CCP	Oral	Acoustic Phonetics	12 th February, 2019
Dr. Fayyaz Ahmed	CCP	Oral	Mediation & Moderation	15 th February, 2019
Ms. Hafsa Noreen	CCP	Oral	Acoustic Phonetics	18 th February, 2019
Dr. Sikander Khan	CCP	Oral	Anatomy Physiology	25 th & 26 th February, 2016
Dr. Ismail Tariq	CCP	Oral	Anatomy Physiology	28 th February, 2019
Dr. Urooj Sadiq	CCP	Oral	Projective Testing & Analysis: thematic Apperception Test (TAT)	4 th March, 2019
Dr. Saadia Aseem	CCP	Oral	Qualitative Research Methods	5 th & 6 th March, 2019
Dr. Fouzia Karamat	CCP	Oral	Tool Development: Conception of Ideas: Discriminant & Criterion Validity, Convergent & Divergent Validity	7 th March, 2019
Prof. Dr. Syeda Shahida Batool	CCP	Oral	Tool Development: EFA & CFA	8 th & 9 th March, 2019
Prof. Dr. Shazia Hassan	CCP	Oral	Projective Testing & Analysis: Rorschach Test	11 th & 12 th March, 2019
Prof. Dr. Mamoonah Shahid	CCP	Oral	Techniques to Write Research Paper to be Published in an Impact Factor Journal	13 th March, 2019
Dr. Aisha Sitwat	CCP	Oral	How to Get Peace for Yourself and Your Patients	14 th March, 2019
Dr. Fayyaz Ahmed	CCP	Oral	ANCOVA & MANOVA	15 th March, 2019
Ms. Mirrat Gul Butt	CCP	Oral	Dialectical Behaviour Therapy: No More Masochism	18 th March, 2019
Dr. Ghazala Mir	CCP	Oral	Culturally Adapted Therapy for Muslims with Depression	18 th & 19 th March, 2019
Prof. Dr. Uzma Ali	CCP	Oral	Trauma Therapy	20 th March, 2019



Prof. Dr. Alan Christopher Lewis	CCP	Oral	User's Guide to Publishing in Journals in Psychology: A Practical Workshop	22 nd March, 2019
Dr. Hina Imran	CCP	Oral	Basic Application of Hypnosis in Clinical Setting	25 th March, 2019
Dr. Sarwat Jahan Khanam	CCP	Oral	Basic Application of Hypnosis in Clinical Setting	25 th March, 2019
Dr. Iram Bokharey	CCP	Oral	Emotion Regulation in Clinical Practice: Assessment & Intervention	27 th March, 2019
Dr. Fayyaz Ahmed	CCP	Oral	Mediation	12 th April, 2019
Dr. Fayyaz Ahmed	CCP	Oral	ANCOVA & MANOVA	14 th June, 2019
Prof. Dr. David Kingdon	CCP	Oral	Cognitive Behavioral Therapy	19 th & 20 th June, 2019
Dr. Fayyaz Ahmed	CCP	Oral	EFA & CFA	10 th May, 2019
Dr. Fayyaz Ahmed	CCP	Oral	AMOS	5 th July, 2019

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

Sr.	Faculty Member	Conferences, Seminar and Workshop
1	Dr. Saima Dawood	"Predicting Performance Anxiety from Demographic Characteristics and Dysfunctional Attitudes in University Students of Iran and Pakistan" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
2	Dr. Saima Dawood	"Personality, Coping Strategies and Quality of Life in Patients of Hepatitis C" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
3	Ms. Humaira Naz	"Materialism and Epistemic Style as Correlates of Psychological Well-being in Adults" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
4	Ms. Tehreem Arshad	"Self-Perception of Aging, Rejection Sensitivity, Perceived Social Support and Psychological Well Being in Older Adults" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.



5	Ms. Hidna Iqbal	"Insight and Demoralization in Illicit Drug Users: The Role of Self-Stigma" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
6	Ms. Hidna Iqbal	"Spiritual Intelligence and Stress-related Growth in Individuals with Physical Disability" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
7	Ms. Faiza Safdar	"Goal Orientation, Motivation and Competitive Anxiety in Players of Domestic Cricket" paper presented in 3 days International Conference on: Gender, Religion & Culture in Psychology: Issues, Challenges & Prospects from 17 th – 19 th December, 2018 at Government College University, Lahore.
8	Dr. Saima Dawood	"Mindfulness and Psychological Distress in University Students" paper presented in International Conference of Applied Psychology: Practices & Interventions at Institute of Applied Psychology, University of the Punjab Lahore from 6 th – 8 th February, 2019.
9	Dr. Nashi Khan	"Mediating Role of Body Image between Sexual Functioning and Marital Intimacy in Women with Breast Cancer" paper presented in International Conference of Applied Psychology: Practices & Interventions at Institute of Applied Psychology, University of the Punjab Lahore from 6 th – 8 th February, 2019.
10	Dr. Aisha Sitwat	"The Mediating Role of Relational Uncertainty and Moderating Role of Connectedness between Over-Idealization and Marital Satisfaction in Newly Married Men and Women – A Moderated-Mediation Analysis" paper presented in International Conference of Applied Psychology: Practices & Interventions at Institute of Applied Psychology, University of the Punjab Lahore from 6 th – 8 th February, 2019.
11	Ms. Aasma Yousaf	"Paranormal Beliefs and Psychopathic Tendencies in Adolescent" paper presented in International Conference of Applied Psychology: Practices & Interventions at Institute of Applied Psychology, University of the Punjab Lahore from 6 th – 8 th February, 2019.
12	Ms. FaizaSafdar	"Experience of Harassment and Self-Objectification in Female University Students" paper presented in International Conference of Applied Psychology: Practices & Interventions at Institute of Applied Psychology, University of the Punjab Lahore from 6 th – 8 th February, 2019.



13	Dr. Saima Dawood	"Alexithymia, Interpersonal Problems, and Loneliness in Young Adults" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
14	Dr. Saima Dawood	"Neuroticism, Phubbing and Fear of Missing out in University Students of Pakistan" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
15	Dr. Saima Dawood	"Personality, Mindfulness and Psychological Distress in Young Adults" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
16	Ms. Sharmeen Aslam Tarar	"Phonological Development of Urdu Consonants in Normally Developing Children" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
17	Ms. Sharmeen Aslam Tarar	"Lexical Diversity in Typically Developing Children (3-6 years)" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
18	Ms. Aasma Yousaf	"Perceived Interpersonal Support and alexithymia in Young Adults" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
19	Ms. Aasma Yousaf	"Parenting Styles and Bullying Behavior in Prisoners" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
20	Ms. Aasma Yousaf	"Speech Sound Errors and Literacy Skills in Children with Orofacial Clefts" paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.



21	Ms. Aasma Yousaf	“Acquisition of Urdu Nouns in Typically Developing Children” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
22	Ms. HumairaNaz	“Phonological Processes of Urdu Language in Typically Developing (5-7 Years Old) Children” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
23	Ms. Humaira Naz	“Stress Vulnerability, Spousal Reciprocity and Perinatal Anxiety” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
24	Ms. Faiza Safdar	“Goal Orientation, Beliefs about the Causes of Sport Success and Motivation in Players of Domestic Cricket” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
25	Ms. Tehreem Arshad	“Efficacy of Explicit Instructions and Multisensory Approach for the Intervention of Dyslexia” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
26	Ms. Tehreem Arshad	“Relationship between Narrative Skills Development and the Demographic Factors in Urdu-Speaking Preschoolers” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
27	Ms. Nazia Bashir	“Dispositional Optimism, Illness Perception and Psychological Adaptation in Mothers of Patients with Schizophrenia” paper presented in International Conference of Recent Trends & Interventions in Clinical Psychology at Centre for Clinical Psychology, University of the Punjab Lahore from 20 th – 22 nd March, 2019.
28	Dr. Saima Dawood	“Attachment Styles, Emotional Maturity and Risk Taking Behaviours in Adolescents of Intact Families and Broken Homes” paper presented in “Culture and International Mental Health Conference, 2019 at UK from 11 th – 12 th September, 2019.



○ **Research Journals**

Sr. No	Name of Authors	Article Title	Name of the Journal	Category	Status
1	Dr. Saima Dawood	Psychological Disorders Among Prisoners in Pakistan	Journal of Pakistan Psychiatric Society (JPPS)	Y	2017, 30 (2), 17-20
2	Dr. Saima Dawood	Dysfunctional Attitude and Performance Anxiety Among University Students from Iran and Pakistan	Pakistan Journal of Social and Clinical Psychology (PJSCP)	Y	2017, 15 (1), 11-19
3	Dr. Saima Dawood	Efficacy of Metacognitive Therapy for Patients with Obsessive Compulsive Disorder	Pakistan Journal of Clinical Psychology (PJCP)	Y	(In Press for 2018)
4	Dr. Saima Dawood	Development of an Indigenous Parental Perceived Stress Scale	Pakistan Journal of Psychological Research (PJPR)	X	2019, Vol.34 (2) 433-456
5	Dr. Saima Dawood	Translation and Validation of the Handling Bullying Questionnaire in Pakistan	Pakistan Journal of Psychological Research (PJPR)	X	2019, Vol.34 (3)
6	Dr. Saima Dawood	Parenting Styles, Moral Identity and Prosocial Behaviors in Adolescents	Current Psychology	Impact Factor (0.953)	Accepted (In Press 2019)
7	Dr. Saima Dawood	Weight Teasing and Disordered Eating Behaviors in Overweight Adolescents: The Mediating Role of Body Esteem	Eating and Weight Disorders – Steadies on Anorexia, Bulimia and Obesity	Impact Factor (1.784)	Reviewed (In Process)
8	Dr. Saima Dawood	Social Support, Self-Efficacy, Cognitive Coping and Psychological Distress in Infertile Women	Journal of Psychosomatic Obstetrics & Gynecology	Impact Factor (1.575)	Submitted and Under Review
9	Dr. Saima Dawood	Scio-demographic Variables and Parental Stress of Children with Autism Spectrum Disorder	Pakistan Journal of Social Issues (PJSI)	Y	2019, Vol. 10
10	Dr. Aisha Sitwat	Impulsivity in Clinical and Non- Clinical Populations; A Comparative Study	Rawal Medical Journal (RMJ), (2019)	Y	Published
11	Dr. Aisha Sitwat, & Aasma Yousaf	Development of Child abuse and Neglect Experience Screening Questionnaire for Patients Suffering from anxiety and depression	Journal of Pakistan Psychiatric Society (JPPS)	Y	Published
12	Hidna Iqbal	Self-Silencing and Marital Adjustment in Women With and Without Depression	Pakistan Journal of Psychological Research (PJPR)	X	Published



13	Tehreem Arshad	Personal Narrative Skills of Urdu Speaking Pre Schoolers	Narrative Inquiry	Y	Published
14	Tehreem Arshad	Estimates of Sexual Functioning in Married Men and Women	Journal of Liaquat University	Y	Published
15	Tehreem Arshad	Neuroticism, Perfectionism and Coping Strategies among Patients with Depression and Anxiety Disorders	Bahria Journal of Professional Psychology (BJPP)	Y	Published
16	Dr. Aisha Sitwat & Aasma Yousaf	Development of Abuse and Neglect Questionnaire	Journal of Pakistan Psychiatric Society (JPPS)	Y	Published
17	Aasma Yousaf	Body Image, Self Compassion and Sexual Distress in Patients with Mastectomy	Annals King Edwards Medical University	Y	Published
18	Aasma Yousaf	Efficacy of Cognitive Behavior Therapy with Compulsive Hoarding: A Single Case Study	Journal of Pakistan Medical Association (JPMA)	W	Submitted (Under Review)
19	Aasma Yousaf;	Hoarding Disorder and its Underlying Cognitions	Pakistan Journal of Medical Sciences (PJMS)	W	Submitted (Under Review)
20	Aasma Yousaf	Maternal Tolerance and Behavioral Problems in Children with and without Enuresis	Journal of Pakistan Medical Association (JPMA)	W	Submitted (Under Review)
21	Aasma Yousaf & Dr. Aisha Sitwat	Development and Validation of Abuse and Neglect Screening Questionnaire (Revised): An Indigenous Multi-Dimensional Measure	Pakistan Journal of Psychological Research (PJPR)	X	Submitted (Under Review)
22	Faiza Safdar	Parental Psychological Control & Aggression among Adolescents: Mediating Role of Emotional Deregulation	Pakistan Journal of Psychological Research (PJPR)	X	Submitted (Under Review)
23	Faiza Safdar	Goal Orientation Motivation & Competitive Anxiety in Players of Domestic Cricketers	Pakistan Journal of Psychological Research (PJPR)	X	In Press



24	Faiza Safdar	Work- Family Spillover and Family Functioning in Married Working Women	Pakistan Journal of Psychological Research (PJPR)	X	In Press
25	Rabia Dasti	Resilience & Psychological Wellbeing in Hostel Students	Pakistan Journal of Professional Psychology: Research & Practice (PJPPRP)	X	In Press

○ Research Journals

▪ Journal of the Centre

The Centre for Clinical Psychology published its official Journal “Pakistan Journal of Professional Psychology: Research and Practice (PJPPRP)” under the ISSN No.1818 – 6416 and 2012 to 2018 issues have been printed. Research articles from different specializations in Psychology and Allied Disciplines covering all aspects of human behaviors are encouraged. Though, original articles based on empirical data are preferred but brief reports review articles and single case studies are also considered for publication in the “Pakistan Journal of Professional Psychology: Research and Practice (PJPPRP)”. Its 8th Issues was printed and 9th Issue is in process of printing.

▪ Psychological Abstract

The Centre for Clinical Psychology published its Psychological Abstract for the year 2011 to 2018. The Psychological Abstract is an effort to highlight the indigenous psychological research work being carried out in Pakistan with special reference to Clinical Psychology and its associated disciplines. It will benefit student body across the globe in getting acquainted with the quality of research work being conducted in University of the Punjab, Lahore.

RESEARCH COLLABORATION

○ Foreign Linkages

- Leeds Institute of Health Sciences Leeds
United Kingdom, UK.
- School of Psychology
Australian Catholic University, Melbourne, Australia.

○ Funding Grants for R&D

0.500 million (FY – 2018 – 2019)

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

○ Research & Development

Centre of Excellence in Molecular Biology continues its aim of advance teaching and research in the field of molecular biology as in previous years. It has provided a platform to the scholars and scientists to work in an innovative environment. This state-of-the-art molecular biology research facility has greatly contributed in the development,



improvement and identification of new methods for disease diagnosis and drug development. Different research groups like stem cells, plant genomics, plant biotechnology, seed biotechnology, Plant biosafety studies Molecular Medicine, hereditary diseases, applied and functional genomics, biopharmaceuticals, forensic science, molecular virology and bioinformatics groups are working in an integrated manner. The excellent teaching and research environment in the Centre attract the scientists and researchers from national and international organizations to work and exchange knowledge for the betterment of humanity.

○ **Projects: Newly Launched**

Sr. #	Name of the Projects	Sponsoring Agency	Funding Million / Rs.
1	Transformation of sucrose Isomerase Genes in Sugarcane for Boosted Sugar Recovery	HEC	3.902
2	Study of Association of potential Candidate SNPs residing on Chromosome 14 with inherited Emphysema in local population	HEC	1.870
3	An alternative approach to combat Pink Bollworm infestation in Cotton	HEC	4.586
4	Polymorphism in interferon induced genes and their impact on immune changes: An approach to predict the treatment outcome in Hep C virus infected patients	HEC	0.905
5	Genetic improvement of maize lines for insect resistance and glufosinate herbicide tolerance	PARB	1.00
6	Development of 21 STR Loci DNA database for each Province of Pakistan	HEC	3.659

○ **Publications: National and international**

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Abstracts

- Husnain Qamar, Quratul Ain, Kausar Malik, Pesticidal antibacterial and antioxidant study of *Fagopyrum esculantum* 2nd National Conference on Bioactivity of Phytochemicals (2ndNCBP) at University of Lahore on 13-15 November, 2018.
- ShajiaJabeen, Hadia Shakeel, Kausar Malik, Rashid Bhatti Recent advances in phytochemical research to treat hepatitis C infection In Proceeding of 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences, in CEMB University of the Punjab Lahore on Dec 19-21, 2018.
- Poster displayed by Sehar Riaz, Kausar Malik*, Rashid Bhatti, Rida Shabbir andHusnain Qamar titled “In vitro Antiviral screening of Pakistani Medicinal plants against Hepatitis C Virus (HCV)”, in “International Conference on medicinal drugs and Drug discovery (ICMCDD-18) held at COMSTECH Islamabad October 18- 19, 2018.
- Abstract “*Acacia nilotica*: a potent plant against microbial resistance”accepted for poster presentation in 1st International Conference on Natural Sciences at GCWGullberg Lahore on 4-5 December 2018
- Arshia Nazir, Adeena Saeed*and Kausar Malik (2018).“Assessment of Synergistic Pesticidal effect of local spices and *Fagopyrum esculentum* against stored grain beetle (*Triboliumcastaneum*). In Proceeding of 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences, in CEMB University of the Punjab Lahore on Dec 19-21, 2018
- Kausar Malik*, Arshia Nazir, Adeena Saeed, Husnain Qamar and Tayyab Husnain(2019). “Antibacterial Potential of *Calliandra* sp. Extracts against food contaminating Bacteria” abstract accepted for Oral Presentation & published in the International Conference IC-FAST 2019 organized by University of the Punjab Lahore 15-17-1-2019.
- Kausar Malik, Arshia Nazir, Adeena Saeed and Husnain Qamar (2019). “Antibacterial Activity of *Calliandra* sp. extracts against Clinically Isolated *Staphylococcus aureus* Strains” accepted for Oral Presentation & published In Proceeding of 39th Pakistan Congress of Zoology, held in Department of Zoology Islamia College University, Peshawar on 4-6 March 2019.
- Kausar Malik*, Husnain Qamar Ali Tajawar (2019) Antimicrobial, Antifungal and phytochemical assessment of *Dracocephalumnuristanicum*” for poster presentation in ASM Microbe 2019 on 20-24 June San Fransisco, California.
- Kausar Malik*, and Muhammad Hamza Basit“Genetically Modified Crops: Insect Resistance”accepted for oral presentation and published in the International Conference organized by Faculty of Sciences, University of Kotli Azad Jammu and Kashmir, on “Natural Sciences at the Interface of Climate Change, Food Security and Sustainability (NSICFSS)”, at University of Kotli Azad Jammu and Kashmir held on October 24 to 26, 2018.



- Maria Asghar, Arshia Nazir, Adeena Saeed, Kausar Malik, Husnain Qamar, Anitaperveen, AfifaSaddique, Syed Rizwan Abbas and Adnan Ahmad Qazi. A Review: “Anti microbial activity through essential oils of *Dracocephalum* and *Fagopyrum* species” accepted for oral presentation and published in the International Conference of Biochemistry, biotechnology and Biomaterials at University of Agriculture Faisalabad held on December 09 to 11, 2018
- Abstract “Assessment of synergistic pesticidal effect of local spices and *Fagopyrum esculantum* on stored grain beetle (*Triboliumcastaneum*)” accepted for poster presentation in 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences, in CEMB, University of the Punjab Lahore on Dec 19-21, 2018.
- Shahid A A (2019), Antimicrobial potential of *Bacillus pumilus* against tomato pathogen *Fusarium oxysporium*. International Conference on Food, Nutrition, and Agriculture (ICFNA-19) Sep 27-28, 2019, Istanbul (Turkey)
- Shahid A A; Mukhtar Ahmad (2018), Cotton fiber quality improvement by introducing sucrose synthase (SuS) gene into *Gossypium hirsutum* L. 2nd International Conference on Plant Synthetic Biology, Bioengineering. Clearwater, FL, USA, November 29-December 1, 2018.
- Ashraf, I; Shahid A A; Anwar W; Ali M and M Asif (2018), Antifungal protein of *coriolus versicolor* against *Alternaria solani* causing early blight in tomato. 2nd International Conference on Plant Sciences (ICPS-18), December 5-7, 2018, GC University, Lahore.
- Ayesha Latif, Mukhtar ahmed, Sidra Akhtar, AmmaraAhad, Adnan Iqbal, Amina Yaqoob, Ayesha Imran, Shahid A A, Idrees A Nasir, Abdul Qayyum Rao, Tayyab Husnain; ICPU, Recenet Innovations in Molecular Sciences, International Conference of Punjab University, Lahore, November 06-08, 2019
- Riaz M, Hassan S, Sajid M, Ahmad Z, Sarwar MB, Rashid B, Husnain T. (2019). Performance of oligonucleotide microarray for identification of candidate genes in root tissues of *Zea mays*. International Conference on Food, Nutrition, and Agriculture (ICFNA19) 27-28 September 2019, Istanbul, Turkey
- Batcho A, Sarwar A, Tariq L, Hameed R, Hassan S, Rashid B, Husnain T (2018). Identification, isolation and characterization of heat shock proteins (HSPs) gene family in *Agave sisalana* transcriptome. Proc 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences; organized by and held at CEMB Lahore Pakistan. Dec 19-21, 2018
- Hameed R, Ismail P, Ashraf R, Batcho A, Hassan S, Rashid B, Sarwar MB (2018). Identification, characterization and expression of biotic and abiotic stress tolerant genes and their expression in *Gossypium hirsutum*. Proc 3rd of the poster presented at International symposium on Advances in Molecular Biology of Plants and Health Sciences; organized by and held at CEMB Lahore Pakistan. Dec 19-21, 2018



- Batcho A, Sarwar A, Tariq L, Hameed R, Hassan S, Rashid B, Husnain T (2018). Cloning and expression analysis of heat responsive gene encoding heat shock proteins 70kDa from *Agave sisalana*. Proc 3rd of the poster presented at International symposium on Advances in Molecular Biology of Plants and Health Sciences; organized by and held at CEMB Lahore Pakistan. Dec 19-21, 2018
- Rashid B, Hassan S, Sarwar MB, Sher Z, Ahmad Z, Husnain T (2018) Identification, Isolation and Characterization of Drought Stress Responsive Genes in Different Plant Species. Invited talk at Plant Biotechnology for Food Security, held at Forman Christian College Lahore- A Chartered University, November 27-28, 2018
- Shad M, Malik A, Din S, Usman M, Shahid N, Latif A, Ahmad Mukhtar, Rao AQ, Shahid AA and Husnain T (2018) Mistranslation of genetic code and its controlling mechanism in cell 3rd international symposium on advances in molecular biology of plants and health sciences.
- Usman M, Sadaqat S, Shad M, Liaqat A, Gulzaib, Mizna, Malik A, Zahid M, Azam S, Yasmeen A, Rao A Q, Shahid AA and Husnain T (2018) Expression of foreign genes in microalgae 3rd international symposium on advances in molecular biology of plants and health sciences.
- Mukhtar Ahmad, Ayesha Latif, Sidra Akhter, AmmaraAhad, Adnan Iqbal, Amina Yaqoob, Ayesha Imran, Mohammad Usman, Naila Shahid, Sira Azam, Aneela Yasmeen, Tahir Rehman Samiullah, Salahuddin, Ambreen Gul, Sana Shakoor, Maria Khawar, Sara Ajmal, M. Azam Ali, Samina Hassan, Mohsin Shad, Sahar Sadaqat, Maira Zahid, Ayesha Malik, Gulzeb Liaqat, Ahmad Ali Shahid, Idrees Ahmad Nasir, Abdul Qayyum Rao, Tayyab Husnain (2019). Exotic gene expression in Cotton for fiber quality improvements on 3rd Sino-Pak international conference on innovation in cotton breeding and biotechnology.
- Samia Afzal, Muhammad Idrees, Iram Amin, Muhammad Shahid "Mapping T and B cell epitopes in Dengue Virus E Protein to support the development of Dengue Vaccine design" presented at Advancements in Biotechnology and Biocomputing at Islamic International University Islamabad, (7-9 Feb, 2019).

○ **Publications:** Books/Edited

Sr.	Authors	Title	Year	Publisher
1	Tabassum B, Samuel AO, Bhatti MU, Fatima N, Shahid N, Nasir IA	Bottlenecks in Commercialization and Future Prospects of Beneficial Halotolerant Microorganisms for Saline Soils.	2019	Kumar M., Etesami H., Kumar V. (eds) Saline Soil-based Agriculture by Halotolerant Microorganisms. Springer, Singapore https://doi.org/10.1007/978-981-13-8335-9_9 Springer



2	Shahid AA, Ali M, Asif M. and Haider MS	Mushrooms of Pakistan, 2nd Edition. ISBN 978-699-7746-01-9	2019	University of the Punjab
3	Prof. Dr. Kausar Malik et al.	Chapter 27 of book titled "Advances in Rice Research for Abiotic Stress Tolerance" Chapter titled "Abiotic stress signaling in Rice Crop".	2018	Elsevier http://doi.org/10.1016/B978-0-12-814332-2.00027.7 .eBook ISBN: 9780128143339 Paperback ISBN: 9780128143322

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

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

Organized

- Organized Web of Science Conference held on 11-3-2019 at CEMB University of the Punjab Lahore.
- Organizer of First International Conference on "Recent Innovations in Molecular Sciences", University of the Punjab during November 6-8, 2019.
- Organized, Participated and published in 3rd International Symposium on "Advances of Molecular Biology in Plant and Health Sciences" December 19-21, 2018, CEMB, University of the Punjab, Lahore.
- Organizer and Resource person of three days' workshop Entitled "Development of Sustainable Transgenic Technology, Commercialization and post release monitoring" held at Ankara Turkey with support of SESRIC May 08-10, 2018
- Organized hands on training workshop on CRISPR/CAS Genome Editing technology. April 29-30, 2019
- Organized one day workshop on 'Moving towards Success: Strategic Time Management' held on October 18, 2019 at CEMB.
- Organized Symposium on 'Brain, Neurogenetics and Regenerative Medicine' held on October 03, 2019 at CEMB
- Organized 'International Symposium on Stem Cells and Regenerative Medicine' held on November 15, 2019 at CEMB

Attended

- Dr. Ahmad Ali Shahid participated in the 3rd International Symposium on "Advances of Molecular Biology in Plant and Health Sciences" December 19-21, 2018 at CEMB, University of the Punjab, Lahore.
- Dr. Ahmad Ali Shahid participated as Invited Speaker in the "2nd International Conference of Plant Sciences (ICPS)", December 5-7, 2018, at GC University, Lahore.



- Dr. Ahmad Ali Shahid attended 7th Invention to Innovation Summit 2018, March 7-8, 2018, ORIC, University of the Punjab, Lahore.
- Dr. Ahmad Ali Shahid attended Dual Use Research of Concern (DURC) Workshop, July 16-18, 2018, CEMB, University of the Punjab, Lahore.
- Dr. Tayyab Husnain attended RSC Pakistan 1st International Conference on Medical Chemistry and Drug Discovery held on October 18-19, 2018. The Conference is being organized by Royal Society of Chemistry and Oxford University, at COMSTECH Secretariat, Islamabad.
- Dr. Tayyab Husnain attended A two-day workshop on “Plant Biotechnology for Food Security” delivered a lecture on “Plant Biotechnology Research at CEMB” held on November 27-28, 2018 organized by Forman Christian College (A Chartered University), Lahore.
- Dr. Tayyab Husnain attended one day meeting of the Departmental Tenure Track Review Committee (DTRC) In the Institute of Agricultural Sciences, University of the Punjab, Lahore. (February 22nd, 2018).
- Dr. Tayyab Husnain attended a three-day Symposium “17th Shaukat khamum Cancer Symposium” on November 02-04, 2018 held at Pearl Continental Hotel, Lahore Pakistan, organized by Shaukat khamum Memorial Cancer Hospital & Research Centre and The American Association of Continuing Medical Education.
- Dr. Tayyab Husnain attended a General Body Meeting of the Academy held on November 20, 2018 in Pakistan Academy of Science (PAS) Secretariat, Islamabad.
- Dr. Kausar Malik attended and received shield as chairperson in session; Molecular Biology & toxicology at `International conference on Applied Zoology held in GCU, Faisalabad, Pakistan on 10-10-18, 11-10-18.
- Dr. Kausar Malik received certificate as Invited keynote speaker in a 02 days Training Workshop on "Cell Culture Techniques for the Production of Biologics" at Institute of Biochemistry and Biotechnology, UVAS, Lahore on 24-25 October 2018.
- Dr. Kausar Malik Invited for Oral Presentation titled “Genetically Modified Crops: Insect Resistance” and abstract published in the International Conference organized by Faculty of Sciences, University of Kotli Azad Jammu and Kashmir, on “Natural Sciences at the Interface of Climate Change, Food Security and Sustainability (NSICFSS)”, at University of Kotli Azad Jammu and Kashmir held on October 24 to 26, 2018 .
- Dr. Kausar Malik received Shield & Certificate received as Invited speaker in a 2nd National Conference on Bioactivity of Phytochemicals (2ndNCBP) at University of Lahore on 13-15 November 2018.
- Dr. Bushra Ijaz attended 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences at Centre of Excellence in Molecular Biology, University of The Punjab, Lahore. (19-21 December 2018)



- Dr Kausar Malik attended the “International Conference on medicinal drugs and Drug discovery (ICMCDD-18) held at COMSTECH Islamabad October 18- 19, 2018.
- Dr Kausar Malik received certificate of appreciation for active participation as member organizing committee 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences, in CEMB University of the Punjab Lahore on Dec 19-21, 2018.
- Dr. Bushra Rashid attended 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences; organized by and held at CEMB Lahore Pakistan. Dec 19-21, 2018
- Dr. Bushra Rashid attended Plant Biotechnology for Food Security, held at Forman Christian College Lahore- A Chartered University, November 27-28, 2018
- Dr AbdulQayyum Rao attended 15th Biennial Meeting of the DGDR DNA Repair 2018 at Karlsruhe Germany 09-12 September 2018.
- Dr. Bushra Rashid attended 3rd International symposium on Advances in Molecular Biology of Plants and Health Sciences; organized by and held at CEMB Lahore Pakistan. Dec 19-21, 2018
- Dr. Bushra Rashid attended Plant Biotechnology for Food Security, held at Forman Christian College Lahore- A Chartered University, November 27-28, 2018
- Dr. Ahmad Ali Shahid Participated as oral presenter in “International Conference on Food, Nutrition, and Agriculture” (ICFNA-19), September 27-28, 2019, Istanbul (Turkey).
- Dr. Ahmad Ali Shahid Participated in “National Dialogue on Ag Biotechnology for food security and Capacity Building of Biosafety Regulators”, December 11-12, 2019, Comstech Islamabad.
- Dr. Ahmad Ali Shahid Participated as organizer in Recent Innovations in Molecular Sciences, International Conference of Punjab University (ICPU 2019), Lahore, November 06-08, 2019.
- Dr. Ahmad Ali Shahid Participated in International Symposium on “Stem Cells and Regenerative Medicine” at Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan, November 15, 2019.
- Dr. Ahmad Ali Shahid Participated in “Scientific Symposium on brain Neurogenetics and Regenerative Medicine” October 3, 2019, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan.
- Oral Presentation at 2nd GRIP,s International Conference on Pharmaceutical & Biochemical Sciences (IC-PBS), January 15-17, 2019, Expo Centre Lahore.
- Participated as Organizer in “Web of Science Conference” March 11, 2019, CEMB, University of the Punjab, Lahore



- Dr. Ahmad Ali Shahid Participated in “Biosafety Leadership Summit” held March 18-20, 2019 at Marriott Hotel, Islamabad
- Dr. Ahmad Ali Shahid Participated in Symposium “Brain, Neurogenetics and Regenerative Medicine” Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan, October 03, 2019.
- Dr. Tayyab Husnain Attended a three-day International Workshop on “Use of Genome Editing and other New Breeding Technologies for Global Food Security” held at Comstech Secretariat, 33-Constitution Avenue, G-5/2, Islamabad on April 8-10, 2019.
- Dr. Tayyab Husnain Attended a three day The 3rd Sino-Pak International Conference on “Innovations in Cotton Breeding & Biotechnology” held at Changji, China on September 4-6, 2019.
- Dr. Tayyab Husnain Attended a three-day Meeting of the ICAC-Asian Cotton Research and Development Network (ACRDN) “Best Global Sustainable Practices on Production, Processing & By-Products Value Addition” held at Tashkent, Uzbekistan on September 9-11, 2019.
- Dr. Tayyab Husnain Organizer and attended an International Conference Punjab University (ICPU 2019) “Recent Innovations in Molecular Sciences” held at University of the Punjab, Lahore on November 06-08, 2019.
- Dr. Tayyab Husnain Certificate of Participation Awarded for Oral Presentation in “The 3rd Sino-Pak International Conference on Innovations in Cotton Breeding & Biotechnology” held at Changji, China on September 4-6, 2019.
- Dr. Tayyab Husnain attended one day A Short Course on Cancer Biology on February 12-14, 2019 held at Department of Microbiology and Molecular Biology, University of the Punjab, Lahore.
- Dr. Tayyab Husnain attended one day meeting “Selection Board (for Academic Staff on TTS) Selection by promotion as Professor & Associate Professor (Human Genetics) held on the 22nd January 2019 in the Senate Hall of University of Health Sciences Lahore.
- Dr. Tayyab Husnain attended one day meeting Brainig Stroming Session on “Genome Editing and other New breeding Technologies” held on February 13, 2019 at NIBGE, Faisalabad.
- Dr. Tayyab Husnain attended one day Minutes of the meeting of the Committee to plan and organized an International Conference on Biological Sciences, Chemistry and other related fields in collaboration with the Royal Society of Chemistry UK and with support of Higher Education Commission, Islamabad held on April 10, 2019.
- Dr. Tayyab Husnain attended a two-day workshop “Hands on Training Workshop on CRISPR/Cas Genome Editing Technology” held at CEM Bon April 29-30, 2019.



- Dr. Tayyab Husnain attended two-day meeting as Subject Expert “Selection Board for the post of Assistant Professor (TTS)/Senior Research Officer (BS-18) Selection held on the May 14-15, 2019 in the Committee Room, Vice Chancellor’s office University of the Punjab, Lahore.
- Dr. Tayyab Husnain attended a meeting held on May 17, 2019, in Al-Raazi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore.
- Dr. Tayyab Husnain attended one day meeting as a member of Accrediation Committee consituated by Punjab Higher Education Commission Sub-Campus of University of Central Punjab, Lahore held at May 21, 2019.
- Dr. Tayyab Husnain attended one day meeting to discuss NRPU projects with Director General Academic, Higher Education Commission, held on July 09, 2019 in Islamabad.
- Dr. Tayyab Husnain attended a 26th Meeting of Technical Advisory Committee (TAC), held on September 17, 2019 at 10:30 hours in the Committee Room of Pak-EPA, Islamabad.
- Dr. Tayyab Husnain Attended one day meeting on “National Core Group on Biotechnology” held on November 12, 2019 at NIBGE, Faisalabad.
- Dr. Tayyab Husnain attended one day meeting with “Directors, Centres of Excellence, Area Study Centres, Pakistan Study Centres and Institutes of Clinical Psychology” held at Lecture hall, HEC, Islamabad. on November 14, 2019
- Dr. Tayyab Husnain attended an Evant of “Roadshow on New R&D Framework of HEC” held at Al-Raazi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore on 23rd November.
- Dr. Tayyab Husnain attended a National Dialogue on “Ag Biotech for Food Security and Capacity Building of Biosafety Regulators” held at COMSTECH, Islamabad, on December 11-12, 2019.
- Dr Kausar Malik Invited for Oral Presentation titled “Antibacterial Potential of *Calliandra* sp. Extracts against food contaminating Bacteria” and abstract published in the International Conference IC-FAST 2019 organized by University of the Punjab Lahore 15-17-1-2019
- Dr Kausar Malik Invited as guest of honor during inaugural session of the International fisheries and aquaculture Conference 2019 on “Emerging trends for sustainable exploitation of aquatic resources” at Faletti’s hotel organized by UVAS on 30-31 1-2019.
- Dr Kausar Malik received certificate of appreciation received for active participation as member organizing committee in 2 days workshop entitled Hands on training workshop on CRISPER/Cas genome Editing technology held on 29, 30-4-2019 at CEMB University of the Punjab Lahore.



- Dr AbdulQayyum Rao Recent innovation in molecular Sciences (ICPU) 6-8 November 2019, University of the Punjab Lahore.
- Dr AbdulQayyum Rao 08-10. April, 2019 attended three days workshop on “ Use of Genome editing and other new breeding technologies for global food security
- Dr. Samia Raza and Dr. Muhammad Shahid attended Workshop on “Basic tools in Bioinformatics: Molecular modelling” conducted at Government College University Lahore, March 7-8, 2019.
- Dr. Samia Raza attended Advancements in Biotechnology and Biocomputing at Islamic International University Islamabad, (7-9 Feb 2019)
- All the Faculty of CEMB attended 8th Invention to innovation Summit at Centre of Excellence in Molecular Biology, University of The Punjab, Lahore. (03 April 2019)
- Dr. Bushra Ijaz invited as keynote speaker in ‘Symposium on Stem Cells and Cancer Biology’ at The University of the Lahore, held on 14th March 2019
- Dr. Bushra Ijaz invited for Oral presenter at 6th International Conference on Drug development -Natural & synthetic Organized by COMSATS University Abbottabad Campus on 29th-3rd November 2019
- Dr. Bushra Ijaz attended one day workshop on ‘Moving towards Success: Strategic Time Management’ held on October 18, 2019 at CEMB.
- Dr. Bushra Ijaz participated Symposium on ‘Brain, Neurogenetics and Regenerative Medicine’ held on October 03, 2019 at CEMB
- Dr. Bushra Ijaz participated in ‘International Symposium on Stem Cells and Regenerative Medicine’ held on November 15, 2019 at CEMB
- Dr. Bushra Ijaz attended Web of Science Conference International Scholarly Publishing from Pakistan’ on 11th March 2019 at CEMB
- Dr. Bushra Ijaz attended two- day Workshop on ‘Hands on Training Workshop on CRISPR/Cas Genome Editing Technology’ held on April 29-30, 2019 at CEMB
- Dr. Bushra Ijaz attended and poster presentation on International Conference on "Recent Innovations in Molecular Sciences" organized by the University of the Punjab during November 6-8, 2019.
- Dr. Abdul Qayyum Rao attended Recent innovation in molecular Sciences (ICPU) 6-8 November 2019, University of the Punjab Lahore.
- Dr. Abdul Qayyum Rao attended three days workshop on “ Use of Genome editing and other new breeding technologies for global food security 08-10. April 2019
- **Research journals**
Advancements in Life Sciences (ISSN 2310-5380) started from 25th November, 2013.



RESEARCH COLLABORATION

○ Indigenous

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

- Lahore College for Women University
- Kinnaird College for Women Lahore
- University of Veterinary and Animal Science, Lahore
- Allama Iqbal Medical College (AIMC)/Jinnah Hospital, Lahore
- BahuddinZakria 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
- Govt. College University, Faisalabad
- 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	Transforming CEMB PARB-Biotech Maize Prototype into viable commercial product for sustainable maize production	HEC	14.0
2	Control of Cotton Insects through modified combination of BT and plant Lectin Genes	HEC	2.44
3	Development of a Single Chimeric Dengue Virus DNA Vaccine and Study of its Immunogenicity and Response Against Local Dengue Serotypes	HEC	7.561
4	Cloning and Expression of Mosquito Larvicidal Genes in Green Algae (<i>Chlamydomonas</i> sp.)	HEC	2.684
5	Investigation of Hepatoprotective Role of Flavonoids and Saponins Mediated Pathways in Liver Fibrosis and Cirrhosis	HEC	4.206
6	Development of Human Recombinant Interleukin-11 (Opelvelkin biosimilar)	HEC	5.346
7	Transformation of Sucrose Isomerase Genes in Sugarcane for Boosted Sugar Recovery	HEC	3.902
8	TDF project "Cell replacements for repair of damaged organs"	HEC	13.02
9	Localization of dsRNA against aphids through chloroplast transformation in potato.	IFS	10700\$
10	Investigation of potential double stranded Ribo nucleic acid (dsRNA) as alternative control measure for maize stem borers (<i>Chilopartellus</i>) in developing countries.	IFS	11905 \$

DEPARTMENT OF BOTANY

○ **Research and Development**

- During the period under report 37 papers have been published in impact factor journals and 54 papers have been published in other journals by the faculty members.
- **Research:** One hundred forty (140) research theses were completed and added to library during this year by the BS, M.Sc., MS, and M.Phil. students.



○ **Projects:**

Completed (duration, sponsoring agency, funding)

Sr. No.	Researchers	Duration	Financial Support (Rs.)	Sponsoring Agency
1.	Dr. Firdaus-e-Bareen Professor / Chairperson	2018-2019	250000	University of the Punjab, Lahore
2.	Dr. Muhammad Saleem Professor	2018-2019	250000	University of the Punjab, Lahore
3.	Dr. Faheem Aftab Professor	2018-2019	250000	University of the Punjab, Lahore
4.	Dr. Abdul Nasir Khalid Professor	2018-2019	250000	University of the Punjab, Lahore
5.	Dr. Shakil Ahmed Associate Professor (TTS)	2018-2019	200000	University of the Punjab, Lahore
6.	Dr. Humera Afrasiab Assistant Professor (TTS)	2018-2019	150000	University of the Punjab, Lahore
7.	Dr. Farhat Rass Masood Assistant Professor (TTS)	2018-2019	150000	University of the Punjab, Lahore
8.	Dr. Ambreen Ahmed Assistant Professor	2018-2019	150000	University of the Punjab, Lahore
9.	Dr. Asma Zulfiqar Assistant Professor	2018-2019	150000	University of the Punjab, Lahore
10.	Dr. Atif Kamran Assistant Professor (TTS)	2018-2019	150000	University of the Punjab, Lahore
11.	Dr. Abdul Rehman Khan Niazi Assistant Professor (TTS)	2018-2019	150000	University of the Punjab, Lahore
12.	Dr. Aisha Nazir Assistant Professor (Contract)	2018-2019	150000	University of the Punjab, Lahore

○ **Newly launched:**

Research Projects for the following faculty members

Sr. No.	Researchers	Duration	Amount of Award in PKR	Sponsoring Agency
1.	Dr. Firdaus-e-Bareen Professor / Chairperson	2019-2020	250000	University of the Punjab, Lahore
2.	Dr. Muhammad Saleem Professor	2019-2020	250000	University of the Punjab, Lahore
3.	Dr. Faheem Aftab Professor	2019-2020	250000	University of the Punjab, Lahore
4.	Dr. Abdul Nasir Khalid Professor	2019-2020	250000	University of the Punjab, Lahore
5.	Dr. Shakil Ahmed Associate Professor (TTS)	2019-2020	200000	University of the Punjab, Lahore



7.	Dr. Farhat Rass Masood Assistant Professor (TTS)	2019-2020	150000	University of the Punjab, Lahore
8.	Dr. Ambreen Ahmed Assistant Professor	2019-2020	150000	University of the Punjab, Lahore
9.	Dr. Asma Zulfiqar Assistant Professor	2019-2020	150000	University of the Punjab, Lahore
10.	Dr. Abdul Rehman Khan Niazi Assistant Professor (TTS)	2019-2020	150000	University of the Punjab, Lahore
11.	Dr. Aisha Nazir Assistant Professor (TTS)	2019-2020	150000	University of the Punjab, Lahore
13.	Dr. Muhammad Shafiq Assistant Professor (TTS)	2019-2020	150000	University of the Punjab, Lahore

○ **Conferences, Seminars and Workshops, etc.** (Sponsors, Oral Presentation+Poster Presentation)
Prof. Dr. Firdaus-e-Bareen

- A seminar was organized on Integrated approaches for wheat breeding to mitigate production risk by Dr. Harpinder Singh Randhawa on March 26, 2019
- A seminar was organized on Identification on differential gene expression during different stages of Mango fruit ripening using RNA-Seq data by Dr. Aziz Mithani on March 19, 2019
- A seminar was organized on Opportunities and Prospects of study under the Von Humbolt scholarship program by Prof. Dr. Samina Mehnaz in February, 2019.

Prof. Dr. Muhammad Saleem

- 30th Fungal Genetics Conference, 12-17 March 2019, Pacific Grove, CA, USA
- Analysis of Genetic Variations and Post-translational Modifications of Translation-associated Proteins *RKM1*, *RKM4* and *RKM5* in *Sordaria fimicola* Iqra Mobeen, Rabia Arif, Muhammad Saleem

Prof. Dr. Shakil Ahmed

- Chaired the Technical Session “Plant Physiology & Palynology” (at Botany Seminar Hall dated 06.12.2018) in the 2nd International Conference on PLANT SCIENCES (ICPS-2018) organized by Department of Botany, G.C. University Lahore-Pakistan on December 5-7, 2018, at Department of Botany, GC University Lahore-Pakistan in collaboration with HEC, Islamabad.
- Chaired the Technical Session “Environmental Sciences” (at New Committee Rooms dated 07.12.2018) in the 2nd International Conference on PLANT SCIENCES (ICPS-2018) organized by Department of Botany, GC University Lahore-Pakistan on December 5-7, 2018, at Department of Botany, GC University Lahore-Pakistan in collaboration with HEC, Islamabad.

Dr. Najam ul Sehar Afshan

- Co-Chaired of Technical Session, Mycology and Plant Pathology, at 2nd International conference on Plant Sciences (ICPS-2018) organized by Department of Botany GC University, Lahore, Pakistan from December 5-7th, 2018.



- *Erysiphe urticae*, a new record for Pakistan, in 2nd International conference on Plant Sciences (ICPS-2018) organized by Department of Botany GC University, Lahore, Pakistan from December 5-7th, 2018. Abstract No. 059-OR-ICPS2018, Published, P. 53.
- A review of fungal pathosystems, their role in Biodiversity and Conservation, in 2nd International conference on Plant Sciences (ICPS-2018) organized by Department of Botany GC University, Lahore, Pakistan from December 5-7th, 2018. Abstract No. 006-OR-ICPS2018, Published, P. 33.

Dr. Abdul Rehman Khan Niazi

- Presented a paper entitled "First record of *Geoporapinyonensis* from Asiain 2nd International Conference on plant sciences (ICPS 2018) organized Department of Botany, GC University, Lahore from 5-7 December, 2018

Dr. Asma Zulfiqar

- A seminar "Bioactive Peptides in plants" on 12th Nov, 2018
- A statistical interactive session between students and one of the eminent statisticians Dr. Zahoor Ahmad in Undergraduate block University of the Punjab Lahore
- Conference ICPS-2018 (5-7 Dec, 2018) at Government College University Lahore (GCU)
- National Workshop on Production & Purification of Recombinant Proteins (12-17 November, 2018) at School of Biological Sciences (SBS)
- International Symposium on Advances in Molecular Biology of Plants and Health Sciences (19-21 December, 2018) at CEMB

Dr. Zahoor Ahmad Sajid

- Business idea competition in Life Sciences 2019 held at GCU Lahore. March 11, 2019
- Research Journals 2018-19 (Authors name, Article name, Journal with date)

Prof. Dr. Firdaus-e-Bareen:

- Zaheer, I.E., Ali, S., Rizwan, M., Bareen, F., Abbas, Z., Bukhari, S.A.H., Wijaya, L., Alyemeni, M.N., Ahmad, P. (2019). Zinc-lysine prevents chromium-induced morphological, photosynthetic, and oxidative alterations in spinach irrigated with tannery wastewater. *Environmental Science and Pollution Research*. 26: 28951–28961 (I.F. 2.914)
- Bareen, F., Rafiq, K., Shafiq, M. and Nazir, A. (2019). Uptake and leaching of Cu, Cd and Cr after EDTA application in sand columns using sorghum and pearl millet. *Polish Journal of Environmental Studies*. 28: 2065-2077 (I.F. 1.186)
- Sabir, A.A., Bareen, F., Rahman, Z. and Ahmad, S.R. (2019). Growth and acclimatization response of sunflower plantlets treated with naphthyl acetic acid-based environment friendly plant growth promoters. *Polish Journal of Environmental Studies*. 28: 1897-1907 (I.F. 1.186)
- Gillani, R.A., Bareen, F., Chaudhary, H.J. and Sabri, A. N. (2018). Biosorption analysis of Cd(II) from industrial wastewater using endophytic bacterium *Agrobacterium tumefaciens* 12b3 by kinetic modeling and equilibrium studies. *Desalination and Water Treatment*. 124: 117-124 (I.F. 1.383)



- Siddique, S., Mazhar, S., Bareen, F. and Perveen, Z. (2018). Chemical characterization, antioxidant and antimicrobial activities of essential oil from *Melaleuca quinquenervia* leaves. Indian Journal of Experimental Biology. 56: 686-693. (I.F. 1.475)
- Sabir, A.A., Bareen, F., Rahman, Z., Ahmad, S.R. and Shafiq, M. (2018). In vitro response of *Bougainvillea* explants and their antioxidant enzymatic activities treated with new naphthyl acetic acid based synthetic plant growth promoters. Polish Journal of Environmental Studies. 27: 1-10. (I.F. 1.120)

Prof. Dr. Muhammad Saleem

- Mobeen I., Arif R., Rasheed A., Akram F., Shahid M. G. and Saleem M. (2019). Genetic and Posttranslational Modification Analysis of Translational Associated Protein RKM4 in *Sordaria fimicola*. International Journal of Agriculture and Biology, (Accepted).
- Jamil T., Ijaz S., Arif R., Akram F. and Saleem M. (2019). Diversity of Retrotransposons (Ty3-gypsy, LINEs and Ty1-copia in *Sordaria fimicola*. Pakistan Journal of Zoology. 51(3):1199-1202.
- Arif R., Lee S.F., Shahid M. G. and Saleem M. (2019). Genotyping of Ribosomal Proteins in *Sordaria fimicola* to Study Genetic Polymorphisms and Phosphorylation Modifications. International Journal of Agriculture and Biology. 22 (2): 247–252.
- Arif R., Bukhari S. H., Ashfaq M., Shahid M. G., Lee S.F. and Saleem M. (2019). Genetic Variation and Post-Translational Modifications of Cytochrome c Oxidase-1 (COX1) in different Strains of *Sordaria Fimicola*. International Journal of Agriculture and Biology. 21(5): 1055-1062.
- Arif R., Qasim S., Shahid M. G., Lee S.F and Saleem M. (2019). Genetic Analysis and Post-translation modifications of 60S Ribosomal Protein L30 in *Sordaria fimicola*. International Journal of Agriculture and Biology. (Accepted).
- Mobeen I., Arif R., Shahid M. G., Lee S.F and Saleem M. (2019). Identification and genotyping of SNPs in *RKM1* and *RKM4* genes of *Sordaria fimicola*. Pakistan Journal of Zoology, (In Press).
- Jamil T., Sami N., Arif R., Rashid Q. and Saleem M. (2018). H3/H4 histone genes variations and its effect on post translational modifications in various strains of *Sordaria fimicola*. International Journal of Agriculture and Biology. DOI: 10.17957/IJAB//15.0593.
- Rana J., Arif R., Ishfaq M., Lee S.F., Saleem M. (2018). Amplification and posttranslational modification study of manganese superoxide dismutase gene in *Sordaria fimicola*. International Journal of Agriculture and Biology. DOI:10.17957/IJAB/15.0731.
- Shahid M. G., Baig S., Saleem M., Arif, R., Ghafoor G. and Liaqat A. (2018). Qualitative and quantitative analysis of ergot alkaloids produced by *Aspergillus niger* through surface culture fermentation process. Pak. J. Bot., 50(6): 2423-2428.



Prof. Dr. Faheem Aftab

- Rizwan, S and Aftab, F. (2018). Effect of different pretreatments on breaking seed dormancy and *in vitro* germination in *Jatropha curcas* L. Pak J Bot., 50(2): 605-608.
- Rizwan, S and Aftab, F. (2018). Morphological and biochemical responses of *Jatropha curcas* under water stress. International Journal of Agriculture and Biology 20: 1929-1936.
- Akram M and Aftab F. (2018). Effect of Osmoticum and Silica-gel desiccation on Somatic embryogenesis from callus cultures of *Bignonia adenophylla* D. C. 2018. Proceedings of the IX International Agricultural Symposium "Agrosym 2018". Jahorina, October 04-07, 2018. Pp: 246-252.
- Akram, M and Aftab, F. (2018). Thidiazuron induces in vitro bud break and shoot development from nodal explants of orthotropic shoots of Maidenhair tree (*Ginkgo biloba* L.). J. Innov. Sci 4 (1): 1-8

Prof. Dr. Abdul Nasir Khalid

- Afshan, N.S., Mujahid, U., Ishaq, A., & Khalid, A. N. (2019) First report of leaf spot of *Sarcococca saligna* caused by *Paraconiothyrium brasiliense* in Pakistan. Journal of Plant Pathology, 1-1. <https://doi.org/10.1007/s42161-019-00449-6>
- Hanif, M., Khalid, A. N., & Exeter, R. L. (2019). *Ramaria flavescentoides* sp. nov. with clamped basidia from Pakistan. Mycotaxon, 134(2), 399-406. <https://doi.org/10.5248/134.399>
- Ullah, S., Abbasi, M., Khalid, A. N., Ishaq, A., Fiaz, M., & Aime, M. C. (2019). *Allodus prostii* comb. nov., causal agent of tulip rust. Nova Hedwigia, 108(3-4), 3-4. [10.1127/nova_hedwigia/2019/0534](https://doi.org/10.1127/nova_hedwigia/2019/0534)
- Sadiq ULLAH, Andrew William WILSON, Rodham Elliott TULLOSS, Muhammad FIA, Gregory Michael MUELLER and Abdul Nasir KHALID. (2019). *Amanita cinis* and *A. olivovaginata* (Basidiomycota, Amanitaceae), two new species, and the first record of *A. emodotrygon*, from Northwestern Pakistan. Turkish Journal of Botany. DOI: 10.3906/bot-1903-21.
- Ishaq, A., Aime, M. C., Ayala, E. K., Ullah, S., Afshan, N. S., Fahad, M., & Khalid, A. N. (2019). First report of Asian pistachio rust (*Pileolaria pistaciae*) in Pakistan. Canadian Journal of Plant Pathology. <https://doi.org/10.108f0/07060661.2019.1647882>
- Naseer, A., Ghani, S., Niazi, A. R., & Khalid, A. N. (2019). *Inocybe caroticolor* from oak forests of Pakistan. Mycotaxon, 134(2), 241-251. <https://doi.org/10.5248/134.241>
- Jabeen, S., Kiran, M., Khan, J., Ahmad, I., Ahmad, H., Sher, H., & Khalid, A. N. (2019). *Amanita ahmadii*, a new species of *Amanita* subgenus *Amanitina* section *Validae* from Pakistan. MycoKeys, 56, 81. <https://doi.org/10.3897/mycokeys.56.31819>
- Saba, M., Haelewaters, D., Fiaz, M., Khalid, A. N., & Pfister, D. H. (2019). *Amanita mansehraensis*, a new species in section *Vaginatae* from Pakistan. Phytotaxa, 409(4), 189-201. <https://doi.org/10.11646/phytotaxa.409.4.1>



- Saba, M., Haelewaters, D., Iturriaga, T., Ashraf, T., Khalid, A. N., & Pfister, D. H. (2019). *Geopora ahmadii* sp. nov. from Pakistan. *Mycotaxon*, 134(2), 377-389. <https://doi.org/10.5248/134.377>
- Izhar, A., Bashir, H., & Khalid, A. N. (2019). A new species of *Conocybe* (Bolbitaceae) from Punjab, Pakistan. *Phytotaxa*, 402(5), 251-258. <https://doi.org/10.11646/phytotaxa.402.5.4>
- Khan, M. B., Ishaq, M., Kiran, M., Fiaz, M., & Khalid, A. N. (2019). *Stropharia atroferruginea* (Agaricales, Strophariaceae), a new species from Battagram district, Pakistan. *Phytotaxa*, 409(2), 83-92. <https://doi.org/10.11646/phytotaxa.409.2.4>
- Naseer, A., Khalid, A. N., Healy, R., & Smith, M. E. (2019). Two new species of *Hygrophorus* from temperate Himalayan Oak forests of Pakistan. *MycKeys*, 56, 33. <https://doi.org/10.3897/mycokeys.56.30280>
- Caboň, M., Li, G. J., Saba, M., Kolařík, M., Jančovičová, S., Khalid, A. N., & Adamčík, S. (2019). Phylogenetic study documents different speciation mechanisms within the *Russula globispora* lineage in boreal and arctic environments of the Northern Hemisphere. *IMA Fungus*, 1(1), 5. <https://doi.org/10.1186/s43008-019-0003-9>
- Naseer, A., Sarwar, S., Khalid, A. N., Healy, R., & Smith, M. E. (2019). *Hortiboletus kohistanensis* (Boletaceae), a new bolete species from temperate and subalpine oak forests of Pakistan. *Phytotaxa*, 388(3), 239-246. <http://dx.doi.org/10.11646/phytotaxa.388.3.3>
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Prof. Dr. Shakil Ahmed

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Dr. Najam ul Sehar Afshan

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- Hussain, S., Ahmad, H., Sadiqullah, Afshan, N.S., Pfister, D.H., Sher, H., Ali, H. and Khalid, A.N. (2018). The genus *Parasola* in Pakistan with the description of two new species. *Mycokeys* 30: 41-60. doi: 10.3897/mycokeys.30.21430 (IF: 3.269)

Dr. Abdul Rehman Khan Niazi

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- Ishaq, A., Sadiqullah, Aime, M.C., Afshan, N. S., Fiaz, M., Niazi, A.R. and Khalid, A. N. (2019). First report of Asian Pistachio rust (*Pileolaria Castagne* a rare genus) in Pakistan. *Canadian Journal of Plant pathology*, <https://doi.org/10.1080/07060661.2019.1647882>. (I F: 0.62)
- A. Naseer, S. Ghani, A. R. Niazi, A. N. Khalid (2019). *Inocybe caroticolor* from oak forests of Pakistan, *Mycotaxon* 134, 241-251.
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Dr. Humera Afrasiab

- Ali, N., Afrasiab, H. and Jabeen, F. (2018). Antioxidant activity of methanolic extracts of indigenous and European grape varieties from Pakistan. *Indo American Journal of Pharmaceutical Sciences*. 5(9): 9431-9439.

Dr. Ambreen Ahmed

- Dr. Ambreen Ahmed (2019) Comparative analysis of pregermination and post-germination inoculation treatments of Zeamays L. to mitigate chromium toxicity in Cr-contaminated soils. *Polish Journal of Environmental Studies* 28(2) (IF:0.793)
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- Habib S. and Ahmed A. (2018). Quantification of Viable Bacteria in Bacterial Cultures. *CPQ Microbiology*. 1(5), 01-12.

Dr. Zahoor Ahmad Sajid

- Mahmood, A; Sajid, Z.A and Khilji, S.A. (2018). Influence of Salicylic acid on salinity tolerance by seed priming and foliar application on Maiz L. *Biologia (Pakistan)*. 64(II): 303-312.

Dr. Arooj Naseer

- Arooj Naseer, Seemab Asghar, Rubab Khurshid, Abdul Rehman Niazi & Abdul Nasir Khalid (2019). The Genus *Otidea* (Pezizales, Pyrenomataceae) from Pakistan. *Sylwan*, 163 (10) 145–155 (Impact Factor 0.691) http://sylvan.ibles.org/syl/journals/published/1570158488_HBy83.pdf
- Arooj Naseer, Samia Ghani, Abdul Nasir Khalid & Abdul Nasir Khalid (2019). First record of *Inocybe caroticolor* (*Inocybaceae*) from oak forests of Pakistan. *Mycotaxon* 134 (2), 241–251. <https://doi.org/10.5248/134.241> (IF: 0.815)
- Arooj Naseer, Abdul Nasir Khalid, Rosanne Healy & Matthew E. Smith. (2019). Two New Species of *Hygrophorus* From Temperate Himalayan Oak Forests of Pakistan. *Myckeys* 56, 33–47 (IF: 3.62) <http://10.3897/myckeys.56.30280>
- Arooj Naseer, Samina Sarwar, Abdul Nasir Khalid, Rosanne Healy & Matthew E. Smith (2019). *Hortiboletus kohistanensis* (Boletaceae), a new bolete species from temperate and subalpine oak forests of Pakistan. *Phytotaxa* 388 (3): 239–246. (IF: 1.185) <https://doi.org/10.1212>.



- Muhammd Ishaq, Arooj Naseer, Muhammad Fiaz & Abdul Nasir Khalid (2019). *Amanita subjunquillea* (Amanitaceae), a lethal mushroom and its ectomycorrhizal associate, newly reported from oak forest of Buner, Pakistan. Mycotaxon, 134(3), 413–423. <https://doi.org/10.5248/134.413> (IF: 0.815)

RESEARCH COLLABORATION

○ Indigenous

Prof. Dr. Muhammad Saleem with:

- Dr. Habib Ullah at LUMS
- Dr. Shaukat at PCSIR, Lahore.

Prof. Dr. Faheem Aftab with:

- Dr. Uzma Qaisar SBS.

Dr. Abdul Nasir Khalid with:

- 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 with:

- Prof. Dr. Habib Ahmad, Hazara University, Mansehra, KPK. Pakistan.
- Dr. Shaukat Bhatti, University of Azad Jammu and Kashmir.
- Prof. Dr. Shamshad, Institute of Chemistry, University of Punjab, Lahore.
- Dr. Hanif Ahmad, Govt. College University, Lahore.
- Dr. Samina, Lahore College for Women University, Lahore.

○ Foreign Linkages

Prof. Dr. Firdaus-e-Bareen with

- Cornell University, Ithaca NY USA
- Texas A & M University TX USA

Professor Dr. M. Saleem with:

- Prof. Nevo and Dr. Bernard Lamb, Imperial College, UK.
- Foreign Academic Linkages Between University of the Punjab, Lahore, Pakistan and Keele University, UK

Dr. Abdul Nasir Khalid with

- Dr. Reinhard Berndt (ETH, Switzerland)
- Dr. Cvetomir M. Denchev, Bulgaria
- Prof. Dr. Zhu L. Yang, China



- Dr. Jacques Guinberteau, France
- Dr. Moreno, G. (Spain)
- Dr. Kreisel, H. (Germany)
- Dr. Bryn Masson Dentinger (Royal Botanical Garden, Kew, UK)
- Dr. Donald Fister (Havrad University, USA)
- Dr. Tom D. Bruns (University of California, USA)

Dr. Abdul Rehman Khan Niazi with

- Dr. Rodham E Tulloss, New Jersey, USA.
- Prof. Dr. Zhu L. Yang, China.
- Dr. Alejendra Becerra, Argentina.
- Dr. Xavier Parlade, Spain.
- Dr. Slavomir Adamicik, Czech.

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 26 faculty members among them 22 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 90 PhD students at the department, and annually about >50 research papers in impact factor internationally reputed journals are published. Department has organized >13 workshop, seminars and conferences.

○ Projects: Completed

- Dr. Nazia Jamil completed NRPU Research project (2016-2018, NRPU 3443) entitled "Conversion of organic waste water into Bioplastic using Bacteria: Fermenter Scale" funded by the Higher Education Commission of Pakistan (PI)
- Dr. Basharat Ali completed HEC NRPU Research Project (2399) entitled "Auxin Production and Bio fertilization potential of Plant associated *Bacillus* spp. Under different water regimes" funded by the Higher Education Commission of Pakistan.
- Dr. Imran Sajid Completed HEC-NRPU Research Project (2121) entitled: "Screening for antitumor/anticancer compounds from indigenous actinomycetes" funded by the Higher Education Commission Pakistan of worth PKR 8.96136 million.



- Dr. RidaBatoool completed NRPU Research project (2016-2018, NRPU 3443) entitled “Conversion of organic waste water into Bioplastic using Bacteria: Fermenter Scale” funded by the Higher Education Commission of Pakistan (Co-PI)
- Dr. NageenHussain Project titled research collaboration: HEC ASIP AWARD (2018) funded by the Higher Education Commission of Pakistan of worth PKR 75000.
- **Projects:** Newly launched
 - HEC Research Project under National Research Program for Universities (NRPU) entitled: Preclinical Studies of Acetylcholinesterase Inhibitors: A Common Treatment to Various Neuronal Disorders (2018-2021) worth Rs 6,047,020/-. P.I. Dr. ShahidaHasnain
 - Research project entitled The Key Role of *FOXP3* Gene in Association with Breast Cancer: A study from Pakistan. Funded by the University of the Punjab, Lahore, 2019-2020, of worth Pak Rs. 250,000, PI:Dr. Anjum Nasim Sabri.
 - Research project entitled Molecular and microbiological characterization of blaNDM producing Enterobacteriaceae from Lahore, Pakistan. Funded by the University of the Punjab, Lahore, 2019-2020, of worth Pak Rs. 250,000, PI: Dr. Sikander Sultan.
 - HEC Research Project under National Research Program for Universities (NRPU) entitled: Bioremediation and removal of Arsenic as Arsenic sulfide by indigenous bacteria. (2019-2020) worth PKRs. 4,700,000. P.I. Dr. Muhammad Faisal
 - Research project entitled Comparative assessment of biologically and chemically synthesized selenium nanoparticles on wheat growth. Funded by the University of the Punjab, Lahore, (2019-2020), of worth 250,000 PKR PI:Dr. Muhammad Faisal
 - Research project entitled Plant growth promoting bacteria from bovine manure to use as biofertilizer for sustainable vegetable farming” funded by the University of the Punjab, Lahore (2019-2020) of worth PKR. 200,000. PI: Dr. ZakiaLatif
 - Research project entitled Production and characterization of bacteria using Plant oil for synthesis of Ecofriendly Bioplastics. Funded by University of the Punjab, Lahore, (2019-2020) of worth PRK 200,000. PI: Dr. Nazia Jamil
 - Research project entitled Isolation and characterization of oil degrading bacteria from industrial effluents. Funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 200,000.PI:Dr. Abdul Rehman
 - Research project entitled Microphenotyping system: Screening plant growth promoting rhizobacteria to grow wheat (*Triticumaestivum* L.) under drought stress” funded by University of the Punjab (Fiscal Year 2019-20; Rs. 150,000). Dr. Basharat Ali
 - HEC Research Project under National Research Program for Universities (NRPU) entitled: Isolation, Purification and Characterization of Novel Peptides from common aero-allergens encountered in Pakistan. Funding amount: 40,23,608 PI: Dr. Zaigham Abbas
 - Research project entitled Development and commercialization of antibiotics alternatives for Pakistani Poultry production. Funding Agency: International Development Research Centre (IDRC) Canada. (2019-2021). Funding Amount CA\$2, 804,100, (collaborative research project between Purdue University US, UVAS Lahore and Punjab University Lahore). Dr. Shafiqur Rehman



- Research project entitled "Recombinant endolysins and membrane permeabilizers against multi-drug resistant Gram- Negative bacteria" Funded by University of the Punjab, Lahore, (2019-2020) of worth PKR 150000. Dr. Shafiqur Rehman
- Research project entitled "Molecular characterization of carbapenem-resistant superbugs from a tertiary care hospital of Lahore, Pakistan. Funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 150,000/- PI:Dr. Saba Riaz
- HEC Research Project under National Research Program for Universities (NRPU) entitled: "Removal of Cr (VI) from aqueous solution through chemically modified and bacterial coated rice husk and wheat bran" funded by the Higher Education Commission of Pakistan (PI): Dr. Rida Batool
- Research project entitled "Evaluation of synergistic use of plant and bacteria for chromium remediation" (2019-2020) project awarded by Punjab University. Dr. Rida Batool
- Research project entitled "Genetic analysis of recessively inherited congenital cataract in Punjab, Pakistan" funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 1,50,000. PI: Dr. Saira Malik
- Research project entitled "Serological and Molecular Diagnosis of Toxoplasma gondii in Galliformes" project awarded by Punjab University of worth PKR 1.50.000 (2019-2020). PI: Dr. Nageen Hussain
- HEC Research Project under National Research Program for Universities (NRPU) entitled: "Preclinical Studies of Acetylcholinesterase Inhibitors: A Common Treatment to Various Neuronal Disorders (2018-2021) worth Rs 6,047,020/-. Co-P.I. Dr. Mehboob Ahmed
- HEC NRPU Research Project entitled, "Assessment of Cyanobacterial Toxins in Reservoirs and Drinking Water Facilities Throughout Pakistan, Rs 60,35,324/- PI: Dr Mehboob Ahmed
- Research project entitled "Screening of Indigenous Microalgae for Anti-Diabetes Activities. Funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 150,000/- PI:Dr Mehboob Ahmed
- Research project entitled "Beneficial Effects of Olive Oil in the Cholesterol level on the Patients suffering diabetes Mellitus as Principal Investigator. Funded by Punjab University. (2019-2020), of worth 0.15 million PKR PI: Dr. Samreen Riaz
- Research project entitled "Molecular genetic investigation of ventricular septal defects in Pakistani children" Funded by the University of the Punjab, Lahore, (2019-2020), of worth 0.15 million PKR PI: Dr. Shabana
- Research project entitled "Bio-detoxification and reduction analysis of potent cyanide compounds by isolated bacterial species" funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 1,25,000. PI: Ms. Ayesha Siddiqua
- Research project entitled "Fabrication of Keratin Hydrogel Coated Metallic Nano-Complexes (K-Hy-AuNPs & K-Hy-AgNPs) For Effective Wound Treatments and Prevention of Wound Infections" funded by the University of the Punjab, Lahore, (2019-2020), of worth PKR 125,000. PI: Ms. Hera Naheed Khan



○ Publications

Research Articles

- Arooj, I., Hasnain, S. 2018. Association of Loci 6q25.1/rs6922269 and 9p21.3/rs1333049 with Risk of Coronary Heart Disease in Patients Visiting Hospitals of Gujranwala and Lahore Divisions. *Pakistan Journal of Zoology*, 50(6): 2295-2300.
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○ **Book / Book Chapters**

- Siddiq, A., Faisal, M. 2018. Phytoremediation of chromium polluted soil using plants in conjunction with microbes. In: Phytoremediation: Management of Environmental Contaminants Vol-6 by Ansari et al. Springer. DOI: 10.1007/978-3-319-99651-6
- Khan, H. N., Faisal, M. 2018. Phytoremediation of industrial wastewater by hydrophytes. In: Phytoremediation: Management of Environmental Contaminants Vol-6 by Ansari et al. pp. 179-200. Springer. DOI: 10.1007/978-3-319-99651-6
- Jamil, N., Ijaz, F., Fasim, F. 2018. Influence of Abiotic factors on activity of antibacterial compounds from *Aeromonas* and *Bacillus* sp. Understanding microbial pathogens: current knowledge and educational ideas on antimicrobial research, A. Méndez-Vilas (Ed.) Formatex Research center, page 158-165.
- Akbar, I., Batool, R. 2018. Phytochemical screening, antioxidant and antibacterial potential of ethanolic extracts of *Cassia*, *Laccifer* and *Rosa-damascena*. In: Understanding microbial pathogens: current knowledge and educational ideas on antimicrobial research. Enrique Torres-Hergueta and A. Méndez-Vilas, Eds. Formatex Research Center. Pp. 241-248. ISBN: 978-84-947512-5-7.
- Dastgir, K., Hussain, N. 2018. *DNAse I* gene and Type 2 Diabetes mellitus: A family based study. Lambert publishers. Pp. 1-64. ISBN (978-613-9-58554-0).
- Siddiq, A., Faisal, M. Phytoremediation of Chromium-Polluted Soil Using Plants in Conjunction with Microbes In Phytoremediation Management of Environmental Contaminants vol 6, 2018 (Springer), p:215- 234.
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○ **Conferences, Seminars and Workshops, etc.**

- Prof. Dr. Anjum Nasim Sabri organized a Seminar on “Discovery and Utilization of Pharmaceutical Microorganisms and Drugs from Special Environments” by Prof. Dr. Chenghang Sun from Institute of Medicinal Biotechnology (IBM), Peking Union Medical College (PUMC) and Chinese Academy of Medical Sciences (CAMS) organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, October 23, 2018.
- Prof. Dr. Anjum Nasim Sabri delivered Invited talk and member organizing committee in 1st International conference on Medicinal Chemistry and Drug Discovery’ Being Held at COMSTECH, Islamabad in collaboration with PU. October 18-19, 2018



- Prof. Dr. Anjum Nasim Sabri organized a Workshop on Cell Culture Practices and Applications at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore 25th October 2018.
- Prof. Dr. Sikander Sultan attended a Seminar on “Discovery and Utilization of Pharmaceutical Microorganisms and Drugs from Special Environments” by Prof. Dr. Chenghang Sun from Institute of Medicinal Biotechnology (IBM), Peking Union Medical College (PUMC) and Chinese Academy of Medical Sciences (CAMS) organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, October 23, 2018.
- Prof. Dr. Sikander Sultan attended 2nd International Conference on Plant Sciences (ICPS-2018) and also chaired a Session, organized by Department of Botany, GC University, Lahore, 5-7 December, 2018.
- Prof. Dr. Sikander Sultan attended Training Workshop Through Webex on SCOPUS Citation Database organized by University of the Punjab Ranking Committee and the Punjab University Library at the Punjab University Library Auditorium, Lahore, February 20, 2019
- Prof. Dr. Sikander Sultan organized one Day Workshop on “Four Primary Controls of Biosafety” in collaboration with American Society for Microbiology and Safer Behaviors-52 Weeks of Biosafety Program in Pakistan, at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore March 20, 2019.
- Prof. Dr. Sikander Sultan attended “8th Invention to Innovation Summit 2019” in National Centre of Excellence in Molecular Biology (CEMB) organized by ORIC, University of the Punjab, Lahore, April 2-3, 2019.
- Prof. Dr. Sikander Sultan organized Workshop on Human risk factors and bio-safety cabinets at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 23, 2019.
- Prof. Dr. Muhammad Faisal participated in training workshop organized by the office of the research innovation and Commercialization (ORIC) University of the Punjab Lahore, March 14 2019.
- Prof. Dr. Muhammad Faisal participated in the one day workshop on how to make university budget in the Department of Economics University of the Punjab, Lahore 20 March 2019.
- Dr. Zakia Latif attended and presented three posters in 3rd International Symposium on Advances in molecular biology of plants and health sciences, organized by Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, December 19-21, 2018.
- Dr. Zakia Latif organized International Women's Day in the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 8th March 2018



- Dr. Nousheen Zaidi organized a workshop on “A Short Course on Cancer Biology” at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 12-14th February, 2019.
- Dr. Nousheen Zaidi organized a World Cancer Research Day Student Symposium, at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 24th September, 2019.
- Dr. Nousheen Zaidi organized a workshop on Craft of Scientific Writing, at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 27th September, 2019.
- Dr. Nazia Jamil presented in X International Agriculture Symposium "AGROSYM" Title “Potentials of Produced water *Bacillus* sp. for PHA production and Plant Growth Promotion. Jahorina, Bosnia, 3-6 October 2019.
- Dr. Nazia Jamil presented in International symposium on sunflower and Forage crops production, Challenges and opportunities, Title Synthesis of Bacterial Bioplastics from low-cost Agriculture products: *Current applications*. Organized by the College of Agriculture, University of Sargodha, March 25-27, 2019.
- Dr. Nazia Jamil participated in workshop on Managing workplace Challenges and issues of Harassment, organized by IAS, University of Punjab, 16th Fe 2019.
- Dr. Nazia Jamil act as a Resource person workshop on Biotechniques: PCR, PAGE and Gel electrophoresis 6th Aug 2019.
- Dr. Nazia Jamil organized: BSL-1 Design, Budget and Working: A Competition for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, 15 May, 2019.
- Dr. Abdul Rehman presented research work in 2nd International Conference on “New Trends in Natural Sciences II: Public Health, Food, Nutrition and Safety” (International) held at Departments of Biotechnology and Zoology, Lahore College for Women University Lahore, October 24-26, 2018.
- Dr. Abdul Rehman presented research work in 39th Pakistan Congress of Zoology (International) held at Department of Zoology, Islamia College University, Peshawar, March 4-6, 2019.
- Dr. Abdul Rehman presented research work in Symposium and Model Competition on “Biotechnology Insight 2019” held at Department of Biotechnology, Lahore College for Women University, Lahore, April 4, 2019.
- Dr. Abdul Rehman presented the research work in 5th International Conference on Health and Medicine (ICHM 2018) Colombo, Sri Lanka , 14th December, 2018.
- Dr. Basharat Ali presented research work titled “Agronomic significance of salt tolerant bacterial communities associated with *Suaeda fruticosa* (L.)” in IX International Agriculture Symposium (AGROSYM 2018), at Jahorina, Bosnia and Herzegovina, October, 04-07th 2018.



- Dr. Imran Sajid presented at: UK-CCTS 14th Annual Spring Conference 2019 “The Science of Health Policy and Systems Change” organized by UK-College of Clinical and Translational Sciences, at Lexington, Kentucky, USA, April 15th 2019.
- Dr. Imran Sajid attended Fulbright Enrichment Seminar 2019 entitled “American Security: Economic and Food Solutions” at Minneapolis, Minnesota, USA, April 24-27, 2019.
- Dr. Imran Sajid presented at: 10th Annual TODD Symposium: Development of Substance Use Disorder Therapeutics: from Prevention to Cure” organized by UK-College of Pharmacy, at Lexington, Kentucky, USA, November 12th, 2019.
- Dr. Zaigham Abbas organized a short Course on Cancer Biology, 12-14th February 2019, held at University of the Punjab, Lahore Pakistan in collaboration with Scientific Writing Consultants.
- Dr. ShafiqurRehman attended the inception meeting at the International development research centre (IDRC) inception meeting and launching ceremony of innovet AMR projects conducted by IDRC, Ottawa, Canada, June 10-12, 2019.
- Dr. Saba Riaz attended and won third poster award in poster presented at workshop on The family and Diabetes, at Department of Microbiology and Molecular Genetics, University, Lahore, November 14, 2018.
- Dr. Saba Riaz attended Workshop: Antibiotic Stewardship; time to win losing battle, 9th annual scientific pre-symposium workshop. Organized by Postgraduate Medical Institute Ameer-ud Din Medical College, Lahore. February 20th, 2019.
- Dr. Saba Riaz presented oral talk and poster First national conference on public health organized by department of public health, institute of social and cultural studies, University of the Punjab Lahore, Pakistan. March 8th, 2019.
- Dr. Saba Riaz participated by poster: 29th Annual International conference on Family Medicine, organized by Familycon, March 28th -31, 2019.
- Dr. Saba Riaz attended: 2nd Annual International Health Asia Leadership Pathology and infection control conference. Lahore expo centre Lahore, April 3-4, 2019.
- Dr. Saba Riaz organized seminar on Four Primary controls at MMG PU in collaboration with American society of Microbiology and 52 weeks of Bio-safety program in Pakistan, at Department of Microbiology and Molecular Genetics, Punjab University, Lahore, March 20, 2019.
- Dr. Saba Riaz attended Quality Assurance in Medical Education at UHS Lahore, April 23, 2019.
- Dr. Saba Riaz organized one day workshop on human risk factors and bio-safety cabinets at Department of Microbiology and Molecular Genetics, University, Lahore, April 23, 2019.
- Dr. Saba Riaz attended: online course Bio safety cabinets, <http://parn.org.pk> April 25, 2019



- Dr. Saba Riaz organized seminar and discussion session: Need for Bio-security at Department of Microbiology and Molecular Genetics, University, Lahore, April 10, 2019.
- Dr. Saba Riaz organized one day symposium “Global Challenges of Antimicrobial Resistance” and Microbial Art Competition at Department of Microbiology and Molecular Genetics, University, Lahore, jointly organized by MMG and ASM, October 16, 2019.
- Dr. RidaBatoool presented in International symposium on “Sunflower and Forage Crops Production, Challenges and Opportunities” organized by the College of Agriculture, University of Sargodha, March 25-27, 2019.
- Dr. RidaBatoool presented in 38th All Pakistan Sciences Conference on “Energy Crisis and their Solution in Pakistan” organized by Pakistan Association for the Advancement of Science in collaboration with the College of Earth and Environmental Sciences, University of the Punjab, Lahore, December 10-11, 2018.
- Dr. RidaBatoool presented in 2nd International Conference on Plant Sciences (ICPS-2018) organized by Department of Botany, Government College University, Lahore from December 05-07, 2018
- Dr. RidaBatoool organized BSL-1 Design, Budget and Working: A Competition for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, May 15, 2019.
- Dr. RidaBatoool organized The Scientific competition on World Water Day for students of BS semester IV Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, March 30, 2019.
- Dr. RidaBatoool attended a lecture on “Discovery and Utilization of Pharmaceutical Microorganisms and Drugs from Special Environments” by Prof. Dr. Chenghang Sun from Institute of Medicinal Biotechnology (IBM), Peking Union Medical College (PUMC) and Chinese Academy of Medical Sciences (CAMS) organized by the Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, October 23, 2018.
- Dr. Saira Malik attended virtual event 24 Days of Stem cells, by GibcoThermofisher. October 4, 2019
- Dr. Saira Malik attended “Biosafety Training workshop for young researchers”, organized by the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, November 26, 2018.
- Dr. Nageen Hussain presented a Poster on “FOXP3 gene and HIV” in a Familycon 2018 conference held at PC Hotel Lahore, January 12-14, 2018.
- Dr. Nageen Hussain presented a poster presentation on the “Development of Rapidstrip assay for the diagnosis of Dengue, Typhoid and Malaria” in a 7th Innovation Summit at PU-Lahore, March 7-8, 2018. (Best Poster Technology award)



- Dr. Nageen Hussain Keynote speaker in Faculty development program: Ethical consideration in laboratories at University of the Central Punjab, Lahore, September 3-7, 2018.
- Dr. Nageen Hussain presented a poster award second best poster award in the Short Course on Cancer Biology, at Al-Razi Hall-PU organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore and Hormone lab. February 12-14, 2019.
- Dr. Nageen Hussain delivered Oral presentation on Hearing loss in the “First National Conference on Public Health” at the Public Health Department of Social and Cultural studies Institute, March 8, 2019.
- Dr. Nageen Hussain participated in one day workshop on The Family and Diabetes at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore November 14, 2018.
- Dr. Nageen Hussain organized a seminar on HIV at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, December 10, 2018.
- Dr Mehboob Ahmed attended RSC 1st International Conference on Medicinal Chemistry & Drug Discovery, Islamabad, October 18-19, 2018.
- Dr Mehboob Ahmed attended 2nd International Conference on Plant Sciences (ICPS-2018) organized by Department of Botany, Government College University, Lahore, December 05-07, 2018.
- Mehboob Ahmed presented in “34th Symposium of the Malaysian Society for Microbiology 2018 (MSM2018)”, Penang, Malaysia, December 07-10, 2018.
- Dr Mehboob Ahmed delivered Invited talk in the short Course on Cancer Biology organized by Hormone Lab and University of the Punjab, Lahore, February 12-14, 2019.
- Dr Mehboob Ahmed presented in 29th Annual International conference on Family Medicine-“FAMILYCON-2019” by Academy of Family Physicians Lahore Pakistan at Pearl Continental Hotel Lahore, March 28-31, 2019.
- Dr Mehboob Ahmed Guest Speaker in workshop on Approaching and Managing Funded Research Projects for faculty members of the University organized by Punjab University Office of Research Innovation and Commercialization (ORIC) June 18, 2019.
- Dr Shabana gave Oral presentation at first National conference on Public Health at the Department of Public Health, University of the Punjab, Lahore, March 08, 2019.
- Dr Shabana presented at one day interactive workshop on ‘The Family and Diabetes’ at the Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, November 14, 2018.
- Dr Shabana Guest Speaker in ‘Blood donation and Safe Transfusion practices’ in a two day symposium on Thalassemia prevention, Carrier screening and Blood Donation organized by Department of Botany, Women University Multan, December 12-13, 2018.



- Dr Shabana attended a three day hands-on workshop on 'Recombinant DNA Technology and Bioinformatics' at Faculty of Life Sciences, University of Central Punjab on June 25-27, 2019.
- Dr Shabana attended a one day workshop on 'Biosafety training for Young Researchers' at the Department of Microbiology and Molecular Genetics, University of the Punjab, November 28, 2018.
- Dr. NumanJaved presented in 29th Annual International Conference on Family Medicine (Familycon) at Pearl continental hotel, Lahore, March 28-31, 2019.
- Dr. NumanJaved Chair Session at "Kinnaird's 1st International Conference on Science, Technology and Innovation" at Kinnaird College for Women University, Lahore, April 2-4, 2019.
- Dr. NumanJaved Guest Speaker at 1st National Conference "Microbiology, Infectious Diseases and Health Safety" at University of Swabi, Swabi, Khyber Pakhtunkhan April 4-5, 2019.
- Dr. Warda Fatima participated in Familycon- 29th annual international conference on family medicine March 28- 31, 2019.
- Ms. Ammara Khalid participated in RSC Pakistan 1st International Conference on Medicinal Chemistry & Drug Discovery COMSTECH Secretariat, Islamabad , October 18-19, 2018.
- Ms. Ammara Khalid participated in The family and diabetes workshop, at the Department of Microbiology and Molecular Genetics, University of the Punjab, November 14, 2018.
- Ms. Ayesha Siddiq attended International conference on recent innovations in molecular sciences, Department of Botany, University of the Punjab, Lahore, Pakistan. November 6-8, 2019.
- Ms. Ayesha Siddiq attended Three Days Hands-on Training "Recombinant DNA Technology and Bioinformatics" Faculty of Life Sciences, University of Central Punjab, Lahore Pakistan, June 25-27, 2019.
- Ms. Ayesha Siddiq presented at 2nd international conference on Plant sciences ICP- Department of Botany, GC University, Lahore, Pakistan, December 5-7, 2018.
- Ms. Ayesha Siddiq attended workshop on cell culture practices and applications, University of the Punjab, Lahore, Punjab, October 25, 2018.
- Ms. Hera Naheed Khan attended a three day hands-on workshop on 'Recombinant DNA Technology and Bioinformatics' at the Faculty of Life Sciences, University of Central Punjab, June 25-27, 2019.
- Ms. Hera Naheed Khan attended workshop on cell culture practices and applications, University of the Punjab, Lahore, Punjab, October 25, 2018
- Ms. Hera Naheed Khan attended Pipette Clinic Workshop at the University of the Punjab organized by Eco Biosciences in collaboration with Eppendorf, 8th October, 2018



○ Research Journals

Members Editorial Board Research Journals

- Prof. Dr Anjum Nasim Sabri is member of Editorial board Science International Lahore
- DrZakiaLatif is member of technical editorial board of journal “Advancement in Life Sciences”
- Prof. Dr. Muhammad Faisal is Member Editorial Board of Journal “*BioMed Research International*”
- Dr. Nazia Jamil is Associate editor of Journal of Biological Sciences
- Dr. Saba Riaz is member of editorial board Journal of Infection and Molecular Biology
- Dr. Saba Riaz is member of editorial board of Asian journal of medicine and biomedicine (Malaysian Journal)
- Dr. Nageen Hussain is a Co-Editor of “International Journal of Health Sciences”.
- Dr. Nageen Hussain is a WASET Scientific Committee and Editorial Review Board member.

RESEARCH COLLABORATION

○ Indigenous

- Dr Samreen Hayat, Lecturer, G C University, Faisalabad.
- COMSATS University Islamabad, Abbottabad Campus, Pakistan.
- Dr. Atiqa Ambreen, Department of Microbiology, Gulab Devi Chest Hospital Lahore.
- Dr. Rabia Tanvir, University of Veterinary and Animal Sciences, Lahore.
- Dr Atia Iqbal, Department of Microbiology and Molecular Genetics, The Women University Multan, Multan
- University of Health Sciences, Lahore
- Citilab and Resaerch Centre Lahore
- Department of Microbiology and Molecular Genetics, The Women University Multan, Multan
- Dr Ahmad Naveed Bahtti chairman, Familycon PAFP Family doctor association of Pakistan.
- Dr Saadia Shahzad Alam, Prof and Head Pharmacology FPGMI, Shaikh Zayed Hospital Lahore.
- Dr. Zafar Hayat, Prof and head Department of animal Science, UVAS Jhang.
- Dr. Athar Mehmood, Prof and Head Poultry Production, UVAS Pattoki.

○ Foreign Linkages

- TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
- Prof. Dr. Chenghang Sun, Institute of Medicinal Biotechnology (IMB), Peking Union Medical college, Chinese Academy of Medical Sciences, Beijing China.



- 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.
- Dr. Shafiqur Rehman developed collaboration for Bacteriophage utilization in animals with Dr. Paul Ebner, Professor, Department of Animal Sciences, Purdue University UK.

○ **Funding grants for R&D**

Sr. No.	Name	Grant	Sponsoring Agency
1	Prof. Dr. Shahida Hasnain	6,047,020/-	HEC-NRPU
2	Dr Muhammad Faisal	Rs.4,700,000	HEC-NRPU
3	Dr. Nazia Jamil	Rs 3,400,000	HEC-NRPU
4	Dr. Basharat Ali	Rs. 3,694,260	HEC
5	Dr. Imran Sajid	Rs 8,900,000	HEC
6	Dr Shafiq-ur Rehman	CA\$2,804,100	International Development Research Centre (IDRC) Canada
7	Dr. Zaigham Abbas	Rs 40,23,608	HEC
8	Dr Rida Batool	Rs 4,363,813	HEC
9	Dr Mehboob Ahmed	Rs.60,35,324	HEC-NRPU
10	Dr Nageen Hussain	Rs. 75000	HEC ASIP AWARD

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ **Publications**

Sr. #	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol	International / Local			
					Impact Factor (IF)	HEC (Recog.)	Other	Conference Proceedings
1	Muhammad Abdul Jabar Adnan & Muhammad Zafar Iqbal Butt	Players' perception about commercialization of sports in academic institutions of Pakistan	THE SPARK	4		YES Category Z		
2	Muhammad Zafar Iqbal Butt & Muhammad Abdul Jabar Adnan	Players' perception about modernization of sports equipment at university level in Pakistan	THE SPARK	4		YES Category Z		
3	Muhammad Abdul Jabar Adnan, Muhammad Zafar Iqbal Butt, Abdul Waheed Mughal, Asfa Shahbaz, Basma Altaf	Coaching Behavior, Motivation and Psychological Well-Being in Young Athletes (Keynote Speaker)	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education



4	Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Abdul Waheed Mughal, Muhammad Emad Ahmad Khan, Muhammad Hamza	Effect of Lactate Threshold Training Program on Optimizing Players' Fitness through Lactate Threshold improvement	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
5	Asif Mehmood, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Asfa Shahbaz, Ridaljaz	Players' perception about Burnout of Athletes at University Level	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
6	Irfan Munir, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Muhammad Daniyal Arshad, Nida Nazeer, Sidratulmuntaha	Do Sports develop patriotism among Sports Consumers? An Exploratory Study	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
7	Muhammad Usman Khan, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Muhammad Usman Suhail	Players' perception about problems in Cycling Sports of Pakistan	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
8	Rida Hamid Butt, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Muhammad Talal Abbass, Saba Yousaf	Role of Gym training on Academic Performance of Sports Persons at University Level: An Exploratory Study	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
9	Shamsa Hashmi, Muhammad Zafar Iqbal Butt, Abdul Waheed Mughal, Muhammad Abdul Jabar Adnan, Sulman Feroz	Impact of PETTLEP Imagery Technique on execution of Drag Flick: A comparison among male and female Drag Flickers of Pakistan	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
10	UnsaJubeen Matila, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Sajjad Yaseen, Iqrallyas, Sana Saleem	Benefits of Swimming in Daily Life of University Students: An Exploratory	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education



11	Uzma Farooq, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Ali Idrees, Muhammad Daniyal Arshad	Role of Information Communication Technology on Sports of University Students	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
12	Kamran Mujahid, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Uzma Farooq, Sajjad Yaseen, Kinza Shafa	Administrative reasons for decline in Olympic Sports of Pakistan: An exploratory Study	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
13	Sidra Naz, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Maryam Aslam, Muhammad Usman Khan, Muhammad Talal Abbass	Perception about role of aerobic exercises on Cardio-respiratory Health Risk Management in Weight Compromised Patients	THE SPARK					2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
14	Muhammad Abdul Jabar Adnan, Muhammad Zafar Iqbal Butt, Muhammad Naveed Mushtaq, Sitaram Khadka, Muhammad Usman Suhail	Do Consumer (Impulsive) Buying Behavior develops Brands Loyalty in Sports Industry? An Exploratory Study	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
15	Rida Hamid Butt, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Uzma Farooq, Sitaram Khadka	Do Social Anxiety Effects The Newly Entered University Players? An Exploratory Study	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
16	Muhammad Daniyal Arshad, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Rida Hamid Butt, Nouman Mansoor	Perception of visually impaired students about obesity and physical activity	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)



17	Kamran Mujahid Butt, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Muhammad Naveed Mushtaq, TahiraFozia	Identification of Administrative Reasons for Decline in Sports of Pakistan	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
18	Uzma Farooq, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, TahiraFozia, Ali Idrees, Muhammad Emad Ahmad Khan, Muhammad Daniyal Arshad	Information Communication Technologies (ICTs) and Sports: Perception of University Students	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
19	UnsaJubeenMatila, Muhammad Zafar Iqbal Butt, Muhammad Abdul Jabar Adnan, Muhammad Naveed Mushtaq, Muhammad Usman Suhail, Iqrallyas	Identification of positive outcomes of swimming on life quality of students	GOVT College University Faisalabad					1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
20	Asif Munir, Muhammad Tahir Nazeer, Masood Mahfooz Muhammad Awais Saeed, Badar Habib, Shams urRehman Khan	Kinematical Analysis of off-Spin Bowling at Club level Cricket						2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
21	Muhammad Tahir Nazeer, Muhammad Awais Saeed, Asif Munir, Yasmeen TabassumSajjad Ali Gill, Muhammad Bin Saeed.	Relationship of average velocity, height & angle of release and body segment angles to the deviation of ball in leg spin bowling at grass root level cricket.						2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
22	IqraKhadim, Yasmeen Tabassum, Muhammad Tahir Nazeer, AfshanKhadi m, Mohammad AsgharJaved	ADVERSE EFFECTS OF INTENSE EXERCISES ON FEMALE REPRODUCTIVE SYSTEM						2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
23	ShamasurRehman Khan, Muhammad Tahir Nazeer, Zara Abdullah,	Effect of Fasting in Ramadan on Sports Performance of University Players						2 nd Euro-Pak International Conference of Sports



	IshratFatama, Izharul Haq Wahad							Sciences & Physical Education
24	Zain Arshad, Muhammad Tahir NazeerSajjad Ali Gill, MuhammdAwais Seed,	LEADERSHIP DEVELOPMENT THROUGH SPORTS						2 nd Euro-Pak International Conference of Sports Sciences & Physical Education
25	Muhammad Tahir Nazeer, Muhammad Awais Saeed, Sajjad Ali Gill, Yasmeen Tabassum, Hira	Temporal Analysis of Handball Wing Players at Target Shooting						1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
26	FehmidaAyub, Muhammad Tahir Nazeer, Fakhara Ahmad, Muhammad Ahmad Tahir	Kinematical Analyses of Standing Broad Jump at University level Athletes						1 st International Conference on Physical Activity, Sports and Recreation (ICPASR, 2019)
27	Muhammad Zia UlHaq, Muhammad Badar Habib, Muhammad Tahir Nazeer	Lower Extremity Kinematics of the Successful and Unsuccessful Cricket Pull Shots of the Malaysian National Cricket Batsmen	Global Regioanal	III		Yes Category Y		

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 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.

○ **Projects: Completed**

Name of Researcher/sponsoring Agency	Title of Research Project with duration	Financial Support (million Rupees)
Prof. Dr. Javed Iqbal Qazi	Bacterial production of detergent compatible amylase using grape fruit peels” by University of the Punjab, Lahore for the year 2018-2019 amounting (2,50,000/=)	Rs. 250000/-
	Molecular identification of fishes from Punjab to assess present biodiversity and promote export of the meat products” by Higher Education Commission amounting (4,159,441).	Rs. 3959441/-
Dr. Zafar Iqbal PU	Extraction of antibiotics from tissues of, Cirrhinus mrigala and Isolation and molecular characterization of bacteria from Oreochromis niloticus.	Rs. 200000/-
Prof. Dr. Najma Shaheen HEC	Isolation and characterization of cholesterol degrading bacteria form fecal matter of carnivores	Rs. 2077607/-
Dr. Farah Rauf Shakoori PU	Association of Autophagy Gene IRGM Polymorphism and susceptibility to Tuberculosis in Pakistan	Rs. 200000/-
Dr. Abdul Majid Khan PU	Stable Isotopic Analysis of Late Miocene Boselaphins from the Siwaliks of Pakistan :	Rs. 150000/-
Dr. Chaman Ara PU	Ameliorative effect of vitamin C on Monosodium glutamate induced toxicity in male mice	Rs. 150000/-
Dr. Hafiz Abdullah Shakir PU	Statistical optimization of extraction of chitin and chitosan from fish scales	Rs. 150000/-
Dr. Bushra Nisar PU	Prevalence of Endoparasites Fauna in Ostriches Farms of Lahore	Rs. 150000/-



Newly launched

Name of Researcher/sponsoring Agency	Title of Research Project with duration	Financial Support (million Rupees)
Prof. Dr. Javed Iqbal Qazi	Bacterial production of detergent compatible amylase using grape fruit peels	Rs. 250000/-
Dr. Farah Rauf Shakoori HEC	Characterization of metal resistant micro organisms and their potential use to remove heavy metals from polluted industrial wastewater and understanding their molecular mechanisms involve in cleaning up the polluted environment	Rs. 4726155/-
Dr. Abdul Majid Khan	Impact of Introduced Alien Invasive Fishes on Economically Important Native Freshwater Fish Fauna of Pakistan: Evidence from Gut content and Stable Isotope Analysis." 2018-2019, funded by university of the Punjab, Lahore. (Rs. 150,000).	Rs. 150000/-
Dr. Chaman Ara PU	Ameliorative effect of vitamin E on zinc oxide nanoparticles induced toxicity on fertility of male and female mice.	Rs. 150000/-
Dr. Abdullah Shakir	Statistical optimization of extraction of chitin and chitosan from fish scales	Rs. 150000/-
Dr. Bushra Nisar PU	Quantifications of cortisol, Feces for non invasive assessment of stress in wild animals	Rs. 150000/-
Dr. Sadaf As;a,	New collection of Artioacylla fossil material from Upper Siwaliks of Pakistan	Rs. 125000/-

○ Publications: Books / Edited

Prof. Dr. Javed Iqbal Qazi

- Tabssum, F., Ahmad, Q.A. and Qazi, J.I. 2018. DNA sequenced based bacterial taxonomy should entail decisive phenotypic remarks: Towards a balanced approach. *J. Basic Microbiol.* 58(11): 1-10. **(I.F. 1.58)**
- Jabeen, F., Hussain, A., Manzoor, M., Younis, T., Rasul, A. and Qazi, J.I. 2018. Potential of bacterial chitinolytic, *stenotrophomonas maltophilia*, in biological control of termites. *Egyptial Journal of Biological Pest Control.* 28:86. <https://doi.org/10.1186/s41938-018-0092-6>. **(I.F. 0.163)**
- Manzoor, M., Jabeen, F., Thomas-Hall, S.R., Altaf, J., Younis, T., Schenk, P.M. and Qazi, J.I. 2019. Sugarcane bagasse as a novel low/no cost organic carbon source for growth of *Chlorella* sp. BR2. *Biofuels*.01-07. <https://doi.org/10.1080/17597269.2019.1580970>
- Jabeen, F., Muneer, B. and Qazi, J.I. 2019. Characterization of Thermophilic Bacteria *Anoxybacillus rupiensis* and cultivation in agroindustrial wastes isolated from hot spring in Chakwal, Pakistan. *Pakistan Journal of Zoology.* **51(4):** 1243-1250.



- Manzoor, M., Ahmad, Q.A., Aslam, A., Jabeen, F., Rasul, A., Schenk, P.M. and Qazi, J.I. 2019. Mixotrophic cultivation of *Scenedesmus dimorphus* in sugarcane bagasse hydrolysate. *Environ. Prog. Sustainable Energy*. 2019;e13334. Doi: <https://doi.org/10.1002/ep.13334>
- Mirza, S.S., Qazi, J.I., Liang, Y. and Chen, S. 2019. Growth characteristics and photofermentative biohydrogen production potential of purple non sulfur bacteria from sugar cane bagasse. *Fuel*. **255** (2019): 115805. Doi: <https://doi.org/10.1016/j.fuel.2019.115805>.
- Mumtaz, A., Mahmud, T., Elsegood, M.R.J., Weaver, G.W., Qazi, J.I. and Deebea, F. 2019. Synthesis, characterization and In vitro biological studies of novel Schiff base and its transition metal complexes derived from sulphadoxine. *Farmacia*. **67(1)**: 106-110. Doi: <https://doi.org/10.31925/farmacia.2019.1.14>.
- Iram, S., Imran, M., Kanwal, F., Iqbal, Z., Deebea, F. and Qazi, J.I. 2019. Bismuth (III) based metal organic frameworks: luminescence, gas adsorption, and antibacterial studies. *Z. Anorg. Allg. Chem.* **645**: 50-56.

Prof. Dr. Asmatullah

- Asmatullah, Chaman Ara, Shagufta Andleeb, Maha Thair, Beenish Zahid and Madeeha Arshad 2018. Therapeutic Effect of Guava Fruit Extract on Cadmium Induced Toxicity in Developing Mus musculus Pakistan J.Zool.,50(3): 929-939 (IF 0.547)
- Madeeha Arshad, Asmatullah, Chaman Ara, Shagufta Andleeb and Naveed Ahmad 2018. Teratogenesis Induced by Trimethoprim Sulfamethoxazole in Mice. Pakistan J.Zool.,50(5): 1-4 (IF 0.547)
- Shagufta Andleeb, Asmatullah, Shabana Shaukat and Sidra Nawaz 2018. Hepatotoxic effects induced by a traditional oral Anti-hyperglycemic Drug in healthy Mice Biologia (Pak) June, 2018, 64(1),1-6. (HEC APPROVED)
- Qudisa Kanwal, Abdul Qadir, Amina, Asmatullah, Hafiza Hira Iqbal, Bushra Munir 2018. Healing potential of Adiantum capillus-veneris L. plant extract on bisphenol A-induced hepatic toxicity in male albino rats Environ Sci Pollut (2018) 25:11884-11892 (IF 2.800)
- Muhammad Ibrahim, Mazhar Abbas, Muhammad Khalid, Muhammad Nawaz Tahir, Muhammad Usman Khan, Ajaz Hussain, Asmatullah and Amjad Hussain 2018. Phytochemical, Crystal Structure, Spectroscopic, DFT Based Non Covalent Interaction and Non-Linear Optical Studies of Neurada procumbens J.chem.Soc.Pak, vol. 40, No. 04 (IF 0.327)
- Muhammad Zafar, Iram Mushtaq, Muhammad Zahid Khan, Muhammad Khalil Ahmad Khan and Asmatullah 2018. Renoprotective Effect Of Inhibiting Renin-Angiotensin-Aldosterone System (Raas) By Captopril Versus Losartan On Drug-Induced Acute Kidney Injury (AKI) Pure Appl. Biol, 7(2):443-454 (HEC APPROVED)



Prof. Dr. Nabila Roohi

- S. ALYAS, N. ROOHI, S. AHMED, S. ASHRAF, S. ILYAS and A. ILYAS. 2020. Lower vitamin D and sex hormone binding globulin levels and higher progesterone, cortisol and t-PA levels in early second trimester are associated with higher risk of developing gestational diabetes mellitus. JBRHA. Vol. 34 (1) 301-305. Impact factor: 1.558.

Dr. Zafar Iqbal

- Iqbal, Z and Khatoon, Z, 2019. Fungal infection in commercially important fishes of Balloki Hheadworks, River Ravi, Punjab, Pakistan. International Journal of Biological. Research. 7(1): 47-55.
- Iqbal, Z. Farah Ansar and Zil-e-Huma. 2018 . Risk of Importing Zoonotic diseases through infected ornamental fishes. Punjab University J. Zoology, 33(2): 211-215
- Iqbal, Z. 2018. Aspect of Tilapia Culture in Punjab, Pakistan. in Proceedings of the 5th International Conference on Fisheries and Aquaculture, Vol.4.2018 pp.15-20. Colombo Sri Lanka.

Dr. Farah Rauf Shakoori

- Riaz, T., Shakoori, F. R., Shakoori, A. R. and Ali, S. S., 2018. Phosphine-induced alterations in microsomal enzymes of a stored grain pest *Trogoderma granarium* collected from godowns of Punjab, Pakistan. Pakistan J. Zool., 50(1):291-297
- Zahid, M.T., Shakoori, F.R., Zulifqar, S., Al-Ghanim, K. and Shakoori, A.R., 2018. Growth characteristics, metal uptake and expression analysis of copper metallothionein in a newly reported ciliate, *Tetrahymena farahensis*. Pakistan J. Zool., 50(3):1171-1181
- Hafiz, A., Riaz, T. and Shakoori, F. R., 2018. Deltamethrin induced changes in the activities of various esterases in deltemethrin resistant population of *Trogoderma granarium*. Pakistan J. Zool., 50(4): 1475-1482
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Dr. Abdul Majid Khan

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Dr. Sadaf Aslam

- Systematic study of the New Remains of *Propotamochoerus hysudricus* (Suidae, Mammalia) from the Late Miocene-Early Pliocene Middle Siwaliks (Pakistan) book chapter.
- New Fossil remains of *Hyotherium pilgrimi* (Mammalia: Cetartiodactyla : Suidae), from Middle Miocene rocks of Lower Siwaliks of Pakistan, *Pakistan Journal of Zoology*,



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

Prof. Dr. Javed Iqbal Qazi

- Attended the 38th All Pakistan Science Conference “Energy Crisis and Their Solution in Pakistan” on 10th December 2018 at College of Earth and Environmental Sciences, University of the Punjab, Lahore.
- Organizer one day symposium “Intergrated pest management for food safety” on December 13, 2018 in Department of Zoology with collaboration of C-Shine Group and ORIC, University of the Punjab, Lahore. Vide office order No. D/1704/UZ and 13846/VC, dated 23.11.2018.
- Participated and acted as Guest in one day symposium titled “DNA in Crime Investigation” organized by Centre for Applied Molecular Biology, University of the Punjab, Lahore, vide office order No. CAMB/D/359/18, dated 02.04.2018.
- Participated and gave lecture for lead in 3rd International Conference on Biosciences-2018, organized by Biological Society of Pakistan, GC University Lahore, Pakistan on May 9th to 11th, 2018.
- Organizer, National Workshop on “Potential of Sericulture for Employment and Income Generation” organized by Department of Zoology, University of the Punjab, Lahore & Punjab Forestry Research Institute on February 15, 2018.
- Organizer, 3rd Training workshop on “Hands on Practice of Basic Lab. Instruments” by Department of Zoology, University of the Punjab, Lahore on February 02, 2018.
- Participated in one day Symposium on “Industrial Biotech & Biorefining” organized by Center for Applied Molecular Biology, University of the Punjab, Lahore on 25.01.2018.
- Organizer, Training workshop on “Effective Time Management” by Department of Zoology & Career Counseling & Placement Centre, University of the Punjab, Lahore on January 08, 2018.
- Participated in 3-days workshop on new curriculum of Zoology at LCWU, Syndicate Hall on April, 22nd – 24th, 2019
- Organizer, 39th Pakistan Congress of Zoology (International), Zoological Society of Pakistan organized by Islamia College University, Peshawar on March 4-6, 2019.
- Chief Organizer, International Symposium on Integrated pest management for food safety at Department of Zoology, University of the Punjab, Lahore on January 30, 2019.
- Acted as expert regarding appointment of Professor in the Discipline of Fisheries & Aquaculture at Ravi Campus, Pattoki, University of Veterinary & Animal Sciences, vide office order No. Regr/Admin/Dr/1018, dated, 01.10.2019.

Dr. Zafar Iqbal

- Zafar Iqbal, 2018. M. Hafiz ur Rehman and B. Ashraf, 2018. Effect of herbal plants supplemented diet on the growth of a commercial carp, *Labeo rohita*, in 6th international symposium on cage aquaculture in Asia 2018, held from 12-15 October 2018 at Surat Thani, Thailand.



- Zafar Iqbal. 2019. Transmission of a Zoonotic Parasite, Implications for Public Health Issue in Pakistan, International Fisheries & Aquaculture Conference-2019, January 30-31, 2019 held at Lahore. Organized by Department of Fisheries and Aquaculture, UVAS, Lahore

Dr. Farah Rauf Shakoori

- 39th Pakistan Congress of Zoology (International) held under the auspices of the Zoological Society of Pakistan at Department of Zoology, Islamia College University, Peshawar March 4-6, (2019) and Chaired Cell Biology, Molecular Biology, Genetic, Physiology Session.
- Attended "3rd International Conference on Innovative Biological and Public Health Research" (IBPHR-2019) organized by Department of Zoology, GC University, Lahore. 13-14 November, 2019.

Dr. Nadeem Sheikh

- Resource person for 2 Talks at 3-days Workshop on New Curriculum of Zoology, LCWU, Lahore.
- 35th Jahrestagung der Deutschen Arbeitsgemeinschaft zum Studium der Leber, GASL 2019 held at Heidelberg, Germany.
- Falk Symposium, Heidelberg, Germany
- 3 Days Workshop, NGS Data Analysis, EME, Islamabad
- 39th International Pakistan Congress of Zoology, Chaired Session/Award of Zoologist of the Year 2019 at Islamia College, University, Peshawar
- New Trends in Natural Sciences II: Public Health, Food Nutrition & Safety, Chaired Session, at LCWU, Lahore

Dr. Abdul Majid Khan

- Co-Chaired the 39th International Pakistan congress of Zoology from 2-5 March, 2019. Participated with oral presentation in 39th International Pakistan congress of Zoology at from 2-5 March, 2019.

Dr. Muhammad Akbar Khan

- Participated in 79th annual meeting of the Society of Vertebrate Paleontology in Brisbane, Australia from 9-12 October, 2019.
- Chaired, Session 1, Section XII – in the 39th Pakistan Congress of Zoology (International), Islamia College University, Peshawar March 06, 2019 -
- Invited lecture/discussion on Paleozoology Outreach Event in NUST, Islamabad Jan. 13, 2019-

Dr. Chaman Ara

- Feb. 27 to March 01, 2018; (Participated, Paper presented and abstract published) 38th Pakistan Congress of Zoology (International), Title: Impact of green tea extract on Acrylamide induced toxicity in mice: Biochemical and Histopathological Approach. Authors: Zarmina Zainab, Saba Anwar and Chaman Ara.



- Feb.27 to March 01, 2018; (Participated, Paper presented and abstract published) 38th Pakistan Congress of Zoology (International) , Title: Tremadol toxicity induced in male mice *Mus musculus*. Authors: Sameena Gul, Asmatullah ,Chaman Ara, Madeeha Arshad and Nadia Farooq
- to 6 March 2019; (Participated, Paper presented and abstract published) 39th Pakistan Congress of Zoology (International) , Title: Histopathological lesions caused by aspartame in vital organs of mice and attenuation by sesame oil. Authors: Chaman Ara, Asmatullah , Memoona Arshad and Madeeha Arshad
- to 6 March 2019; (Participated, Paper presented and abstract published) 39th Pakistan Congress of Zoology (International), Title: Protective potential of *Allium sativum* extract on sodium arsenate induced teratogenicity in *Mus musculus* Authors: Madeeha Arshad, Asmatullah and Chaman Ara,
- Dec. 19 to Dec.20, 2018; (Participated as a focal person) International workshop on animal handling and modeling for advanced Research Authors: Chaman Ara.

Dr. Hafiz Abdullah Shakir

- Organized International Conference of Punjab University (ICPU 2019) on Recent Innovations in Molecular Sciences on November 06-08, 2019 at University of the Punjab, Lahore.
- Organized awareness workshop on National Research Programme for Universities (NRPU) on December 19, 2019 in Seminar Hall Institute of Chemical Engineering & Technology, University of the Punjab, Lahore.
- Organized workshop entitled “How to approach and manage funded research projects?” on June 18, 2019 at Committee Room, Centre for Undergraduate Studies, University of the Punjab, Lahore.
- Organized workshop entitled “Entrepreneurship Mindset and Digital Innovative Entrepreneurship” on June 19, 2019 at Old Building Seminar Hall, Hailey College of Commerce, University of the Punjab, Lahore.
- Organized workshop entitled “Qualitative Research and Dataanalysis using NVIVO 12” on June 22, 2019 at Old Building Seminar Hall, Hailey College of Commerce, University of the Punjab, Lahore.
- Organized 8th Invention to Innovation Summit on April 02-03, 2019 at University of the Punjab, Lahore
- Organized one day International Symposium on “Integrated Pest Management for food safety on January 30, 2019 at Department of Zoology, University of the Punjab, Lahore with the collaboration of C-Shine group.
- Organized one day workshop on Entrepreneurship “Use of Business Intelligence for development” on October 11, 2018 at centre for undergraduate studies, University of the Punjab, Lahore.
- Organized 4th Invention to Innovation Summit, KP on November 22-23, 2018 at CECOS University, Peshawar



- Organized Awareness seminar on HEC Research Projects under Technology Development Funds (TDF) on August 10th, 2018 at centre for undergraduate studies, University of the Punjab, Lahore.

Dr. Sadaf Aslam

- Participated and presented paper in 3rd International Conference on Innovative Biological and Public Health Research (ibphr-2019) on November 13-14th, 2019, organized by Government College, Lahore.
- Participated in three days 1st International Conference on Recent Innovations in Molecular Sciences (ICPU, 2019) on November 6-8th, 2019, organized by University of the Punjab, Lahore.
- Participated in two days interactive training workshop on new trends in protein analysis held at Centre for Undergraduate Studies, University of the Punjab, Lahore on April 24th-25th, 2019.
- Participated in the celebration of the World Wildlife Day 2019, organized by Punjab Wildlife & Parks Department.

○ **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.
- Research collaboration Developed with Dr. Annahita Rezaie, Department of Pathology, Shaid Chamran University of Ahvaz, Ahvaz Iran, under the Project "Short Research visit Abroad under HC Program: Program for Collaborative Research (PPCR). The HEC, awarded Rs. 270,388/ budgetary support for my visit from 8.10.2018 to 21.10.2018 vide No. 11-8 (25-1)/HEC/R &D/PPCR/2019 Dated 19.2.2019

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

- Desert Lab, University of Arizona, Arizona, Tuscan, USA
- Bio-resource Research Centre Islamabad
- Punjab Fisheries Department Lahore

Dr. Chaman Ara

- Research collaboration as a thesis co- supervisor at M.Phil level , University of the Education, Lahore.
- Thesis co- supervisor at BS level Gulberg College , Lahore.
- External examiner and research collaboration at University of Sargodha, Sargodha

○ **Foreign Linkages**

Dr. Zafar Iqbal

- Linkage Developed with University of Sydney, Australia. I was awarded a bursary of Aus \$ 1250 to attend “Gill Health Symposium for Marine Fishes” and present paper “Parasitic infection of red tiger Oscar, *Astonotus ocellatus* imported into Pakistan”. The symposium was held in Singapore from 21-23 November, 2018
- Linkage Developed with Department of Pathology, Shaid Chamran University of Ahvaz, Ahvaz Iran, under the Project “Short Research visit Abroad under HC Program: Program for Collaborative Research (PPCR). The HEC, awarded Rs. 270,388/ budgetary support for this visit from 8-10-2018 to 21.10.2018 vide No. 11-8 (25-1)/HEC/R&D/PPCR/2019, Dated 19.2.2019.

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).

Dr. Abdul Majid Khan

- Prof. Dr. Jay Quade: University of Arizona, Department of Geosciences, Tucson, Arizona, USA

INSTITUTE OF AGRICULTURAL SCIENCES

○ **R&D – An Overview**

Institute of Agricultural Sciences has a strong scientific force in the field that is focusing on Research and Development in Agriculture. The Institute got a US patent for Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. Research on producing virus resistant cotton plants is moving to next step of commercialization. First Fungal Culture bank of Pakistan that is working under Institute of Agricultural Sciences; Punjab University is providing bacterial and fungal cultures for research purposes on demand at nominal charges. They are also offering facilities regarding identification of any microbial culture. Herbal Heritage Garden is working on pilot scale production of plant essential oils and Aleo Vera gel, juices and food items. Using effluent of pulp and paper industry, 11 fungal species were tested for laccase production. Among these *Ganoderma lucidum* most efficiently produced this commercially important enzyme with a molecular weight of 68 KDa. In the next step we are looking forward for the enzyme production at lab scale. Now the institute has started working on application of nanotechnology in agriculture. Multi-institutional research has been started to work on green synthesis of nanoparticles and their use in plant disease management.

○ **Projects: Completed**

- Dr. M. Saleem Haider, Professor & Director
2018-19: As Principal Investigator entitled "Evaluation of biochar produced from indigenous organic waste in priming plant defense and growth stimulation" of Rs.0.250 million by University of the Punjab, Lahore.
- Dr. Uzma Bashir, Associate Professor
2017-18: As Principal Investigator entitled "In vitro Use of Antifungal potential of *Alstonia scholaris* for the management of *Sclerotium rolfsii*. Funded by academic research, University of the Punjab, Lahore"



- Dr. Shazia Shafique, Associate Professor
Antagonistic potential of *Trichoderma* secondary metabolites against *Alternaria alternata*. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan, 2017-2018 of Rs.0.150 million by University of the Punjab, Lahore.
- Dr. Muhammad Ashfaq, Assistant Professor
2017-18: As Principal Investigator entitled “Morphological and pathogenic characterization of discolored resistant rice” of Rs.0.150 million by University of the Punjab, Lahore.
- Dr. Muhammad Bilal Chattha, Assistant Professor
Completed a research project as Principal Investigator, entitled “Comparative potential of *Moringa olifera* L. leaf extracts from different accessions on wheat (early and late sown) productivity” worth PKR.0.15 million during 2017-18 funded by University of the Punjab, Lahore.
Completed a research project as Principal Investigator, entitled “Evaluation of Different Planting Geometries and Fertigation Levels under Surface and Subsurface Drip Irrigation System for Improving Water Use Efficiency under Various Crops.” worth PKR.2.212 million during 2017-19 funded by Water Management Training and Research Institute, Punjab, Lahore.
- Dr. Shinawar Waseem Ali, Assistant Professor
2019 Glucose-lysine non-enzymatic browning as time-temperature indicator for monitoring drying process and quality of Okra (HEC Pakistan) 0.5 Million PKR.
- Dr. Muhammad Ali, Assistant Professor
2018-19: as principal investigator entitled “the comparison of indigenous plants extracts against aphid (*schizaphis graminum* r.) On wheat (*triticum aestivum* l.) crop in Lahore division of Rs.0.15million by university of the Punjab, Lahore.
- Dr. Hafiz Azhar Ali Khan, Assistant Professor
Genetics and mechanism of permethrin resistance in house flies from Punjab, Pakistan, 2018. Awarded by the Higher Education Commission (HEC), Pakistan
- Dr. Zill-e-Huma, Assistant Professor
Screening Antimicrobial Activity of Iron Nanoparticles Synthesized Using *Spinacia oleracea* Extract awarded by University of the Punjab worth 0.15 Million.
- Dr. Sajid Ali, Assistant Professor
2017-18. Principal Investigator. A survey of knowledge, attitude and practices (KAP) of farmers related to weeds and their management. PKR 0.15 Million. Funded by University of the Punjab, Lahore.
- **Newly launched**
 - Dr. Muhammad Nasir Subhani, Associate Professor
2019-20: Isolation, identification and management of cucumber wilt disease.
 - Dr. Uzma Bashir, Associate Professor
Evaluation of Fungicidal activity of some weed extracts against *Fusarium solani*, a wilt causing pathogen. Funded by academic research, University of the Punjab, Lahore”



○ **Publications:** Books/Edited

Dr. M. Saleem Haider, Professor & Director

- Riaz, M., Mahmood, R., Khan, S.N. and Haider, M.S. (2019). Onion tip burn: Significance and response to amount and form of nitrogen. *Scientia Horticulturae*, 261(2020): 1-5 (Impact factor: 1.961).
- Ali, Z., Shahzad, H., Hussain, M., Mushtaq, S., Haider, M.S. and Shafiq, M. (2019). Combined effect of different doses of plant growth regulators (IBA and Zeatin) on the physiology of *Capsicum annum* L. fruit. *World Journal of Biology and Biotechnology*, 4(3): 11-14.
- Abid, M., Khan, MA, Mushtaq, S., Rana, M.A., Afzaal, S. and Haider, M.S. (2019). A review on future of baculaviruses as a microbial biocontrol agent. *World Journal of Biology and Biotechnology*, 4(3): 1-6.
- Kalsoom, R., Chohan, S., Haider, M.S. and Abid, M. (2019). Synergistic effect of plant extracts and fungicide against purple blotch disease of onion. *Plant Protection*, 3(2):
- Mushtaq, S., Shafiq, M., Ashraf, T., Haider, M.S., Ashfaq, M. and Ali, M. (2019). Characterization of plant growth promoting activities of bacterial endophytes and their antibacterial potential isolated from citrus. *Journal of Animal and Plant Sciences*, 29(4): 978-991.
- Afzaal, S., Hameed, U., Ahmad, N., Rashid, N. and Haider, M.S. (2019). Molecular identification and characterization of lactic acid producing bacterial strains isolated from raw and traditionally processed foods of Punjab, Pakistan. *Pakistan Journal of Zoology*, 51(3): 1145-1153. (Impact factor 0.105)
- Mushtaq, S., Shafiq, M., Abid, M., Rana, M.A., Yaqub, S. and Haider, M.S. (2019). A review on wheat streak mosaic virus (WSMV) disease complex. *World Journal of Biology and Biotechnology*, 4(1): 29-33.
- Ali, S., Fatima, A., Khalid, S., Saeed, F., Shafiq, M., Afzaal, S., Haider, M.S., Tariq, W. and Khan, J. (2019). Virus titer as a disease resistance indicator in tomato. *Bangladesh J. Bot.*, 48(3): 609-617. Impact Factor: 0.331)
- Hameed, U., Zua-ur-Rehman, M., Ali, S.A., Haider, M.S. and Brown, J.K. (2019). Invasion of previously unreported dicot plant hosts by chickpea chlorotic dwarf virus in Pakistan. *Virus Disease*, 30(1): 95-100. (International)
- Choudhury, F.A., Jabeen, N., Haider, M.S. and Hussain, R. (2019). Comparative analysis of leaf spot disease in Rice Belt of Punjab, Pakistan. *Advancements in Life Sciences*, 6(2): 76-80. (International)
- Maqsood, S., Afzal, M., Haider, M.S., Khan¹, H.A.A., Ali, M., Ashfaq, M., Aqueel, M.A. and Irfan Ullah, M. (2019). Effectiveness of Nuclear Polyhedrosis Virus and *Bacillus thuringiensis* alone and in Combination against *Spodoptera litura* (Fabricius). *Pakistan Journal of Zoology*, 51(2): 631-641. (Impact factor 0.105)



- Ashfaq, M., Ahmad, W., Haider, M.S., Ali, M., Sajjad, M., Khan, F., Shaheen, S., Anjum, M.A. and Mubashar, U. (2019). Molecular and agronomic characterization of selected rice germplasm under normal and water stress conditions. *Pakistan Journal of Agricultural Sciences*, 56(1): 29-36. (Impact Factor: 0.609).
- Rashid, N., Shehzad, A., Ahmad, N., Hussain, Z. and Haider, M.S. (2018). Valorization of waste foods using pullulan hydrolase from *Thermococcus kodakarensis*. *Amylase*, 2(1): 39-43.
- Mushtaq, S., Shafiq, M., Khan, F., Ashraf, T. and Haider, M.S. (2018). Effect of bacterial endophytes isolated from the citrus on the physical parameter of bitter melon (*Momordica charantia* L.). *World Journal of Biology and Biotechnology*, 3(2): 193-197.
- Abid, M., Khan, M.A.U., Mushtaq, S., Afzaal, S. and Haider, M.S. (2018). A comprehensive review on mycoviruses as biological control agent. *World Journal of Biology and Biotechnology*, 3(2): 187-192.
- Saeed, F., Sattar, M.N., Hameed, U., Ilyas, M., Haider, M.S. and Hamza, M. (2018). Infectivity of okra enation leaf curl virus and the role of its V2 protein in pathogenicity. *Virus Research*, 255: 90-94. (Impact Factor, 2.905).
- Iftikhar, S., Shahid, A.A., Nawaz, K., Zahid, A., Anwar, W. and Haider, M.S. (2018). First report of black pit of potato caused by *Alternaria alternata* in Pakistan. *Plant Disease*, 102(2): 442. (Impact Factor: 2.94).
- Anjum, N., Shahid, A.A., Iftikhar, S., Nawaz, K. and Haider, M.S. (2018). First report of postharvest fruit rot of tomato (*Lycopersicon esculentum* Mill.) caused by *Penicillium olsonii* in Pakistan. *Plant Disease*, 102(2): 451. (Impact Factor: 2.94).
- Zia-ur-Rehman, M., Iqbal, M.J., Hameed, U. and Haider, M.S. (2018). First detection of Hollyhock leaf curl virus in *Malvastrum coromandelianum* in Pakistan. *Plant Disease*, 102(1): 256. (Impact Factor: 2.94).
- Alam, M.W., Rehman, A., Haider, M.S., Gleason, M.L., Rosli, H., Saira, M., Khan, S.M., Aslam, S., Khan, M.A., Hameed, A. and Sarfraz, S. (2018). First report of *Ceratocystis fimbriata* causing wilt of Loquat in Pakistan. *Plant Disease*, 102(10): 2034. (Impact Factor: 2.94).
- Sarwar, M., Anjum, S., Khan, M.A., Haider, M.S., Ali, S. and Naseem, M.K. (2018). Assessment of sustainable and biodegradable agricultural substrates for eminence production of cucumber for kitchen gardening. *International Journal of Recycling of Organic Waste in Agriculture*, 7(4): 365-374. (International)
- Sattar, M.N., Qurashi, F., Iqbal, Z. and Haider, M.S. (2018). Molecular characterization of ageratum enation virus and DNA-satellites associated with yellowing and leaf curl symptoms on mulberry in Pakistan. *Can. J. Plant Pathol.*, 40(3): 442-449 (Impact Factor 1.42).
- Mushtaq, S., Shafiq, M., Asim, M. and Haider, M.S. (2018). Effect of bacterial endophytes isolated from citrus on the physiology of *Brassica oleracea*. *International Journal of Biosciences*, 12(6): 225-234. (Impact Factor: 0.553).



- Mushtaq, S., Shafiq, M., Ashfaq, M., Khan, F., Afzaal, S., Hussain, U., Hussain, M., Balal, R.M. and Haider, M.S. (2018). Isolation and morphological characterization of novel bacterial Endophytes from Citrus and evaluation for antifungal potential against *Alternaria solani*. *Biologia (Pakistan)*, 64(1): 119-128. (HEC Recognized Y Category).
- Mushtaq, S., Shafiq, M., Afzaal, S., Ashraf, T. and Haider, M.S. (2018). An uncultured bacterium associated with infection in mandarin (*Citrus reticulata*) in Pakistan. *World Journal of Biology and Biotechnology*, 3(1): 179-181. (International).

Dr. Tehmina Anjum, Professor

- Waheed Akram, Hina Aslam, Sajid Rasheed Ahmad, Tehmina Anjum, Nasim Ahmad Yasin, Waheed Ullah Khan, Aqeel Ahmad, Juxian Guo, Tingquan Wu, Wenlong Luo, Guihua Li. 2019. *Bacillus megaterium* strain A12 ameliorates salinity stress in tomato plants through multiple mechanisms. *Journal of Plant Interactions*. 14(1): 506 - 518. (IF: 1.839)
- Waheed Akram, Guihua Li, Aqeel Ahmad, Tehmina Anjum, Basharat Ali, Juxian Guo, Wenlong Tingquan Wu, Dasen Xie, Qing Wang. 2019. *Alternaria brassicicola* causing leaf spot disease on Broccoli in China. *Plant Disease*. <https://doi.org/10.1094/PDIS-05-19-1013-PDN> (IF: 3.583)
- Waheed Akram, Guihua Li, Aqeel Ahmad, Tehmina Anjum, Basharat Ali, Wenlong Luo, Juxian Guo, Dasen Xie, Qing Wang. 2019. Leaf Spot Disease Caused by *Alternaria arborescens*, *A. tenuissima*, and *A. infectoria* on *Brassica rapa* L subsp. *parachinensis* in China. *Plant Disease*. <https://doi.org/10.1094/PDIS-05-19-0951-PDN> (IF: 3.583)
- Huma Adrees, Muhammad Saleem Haider, Tehmina Anjum, Waheed Akram. 2019. Inducing systemic resistance in cotton plants against charcoal root rot pathogen using indigenous rhizospheric bacterial strains and chemical elicitors. *Crop protection*. 115: 75 - 83 (IF: 2.172)
- Shafiq ur Rehman, Wajeeha Afzal, Tehmina Anjum, Hassan Javed Choudhry, Sajid Rashid Ahmad and Mehmood Aslam. 2019. Screening and evaluation of indigenous halo-tolerant microbes for salt stress alleviation in celery (*Apium graveolens*). *Soil and Environment*. 38(1): 42 – 47.

Dr. Muhammad Arshad Javed, Professor

- 2018 Development of Novel Protocol to Al³⁺ Stress Tolerance at Germination Stage in Indica Rice through Statistical Approaches *The Scientific World Journal* Page 1-7.
- 2018 Improving the growth of *Centella asiatica* using surfactant modified natural zeolite loaded with NPK nutrients *Asian J Agri and Bio* 6(1):55-65

Dr. Salik Nawaz Khan, Associate Professor

- Tahira JJ, Khan SN and Siddique M (2019). invitro Growth of *Alternaria porri*, the causal agent of purple blotch of onion. *Int. J. Biol. Biotech.*, 16 (2): 401-405, 2019.



- Farooq S, Ud-Din AM, Naz S, Siddique M and Khan SN (2019). Screening of Sesame (*Sesamum indicum* L.) germplasm pf Resistance against Charcoal rot diseases caused by *Macrophomina phaseolina*. Int. J. Biol. Biotech., 16 (2): 407-410, 2019.
- Tahir A, Javaid A, * Khan SN, Riaz M and Tahir MN (2019). DISTRIBUTION OF STALK ROT OF MAIZE IN PUNJAB, PAKISTAN. Int. J. Biol. Biotech., 16 (3): 00-00, 2019.
- Muhammad Shakeel, Salik Nawaz Khan*, Yasar Saleem, Paul J. Burgess and Shazia Shafiq. 2018. Colour, water and chlorophyll loss in harvested broccoli (*Brassica oleracea* L. Italica) under ambient conditions in Pakistan. Sci. Horti. 246 (2019) 858-861 (IMPACT FACTOR 1.961
- Abdul Matin, Salik Nawaz and Suk-Yul Jung 2018. Effect of macrophage alone orprimed with cytokines on *Balamuthia mandrillaris* interaction with human brain microvascular endothelial cells in vitro Pak. J. Pharm. Sci., 31(6);2553-2559 (IMPACT FACTOR 1.103)
- Tania Tanveer, Abdul-Aziz A. Bin-Dukhyil, Salik Nawaz and Abdul Matin, 2018. Therapeutic potential of folk plants used against pathogenic and opportunistic free living amoeba (*Acanthamoeba*, *Balamuthia* and *naegleria*); A review
- Sana Siddique Rashid Mahmood, Salik Nawaz Khan 2018 “Correlation of curd-associated fungi with NPK and Na concentrations in cauliflower” Journal of Food Safety.; e12559 (IMPACT FACTOR 1.27)
- Ateeq Tahir, *Salik Nawaz Khan, Arshad Javaid and Muhammad Riaz, Morphological and molecular characterization of *Fusarium thapsinum*, causing stalk tot of maize in Punjab, Pakistan. Mycopath (2018) 16(2): 57-64
- *Muhammad Riaz¹, Mukhtar Hussain Shah², Zaigham Nawaz³, Ateeq Tahir¹, Laila Shahzadi², Amina Bashir² and Salik Nawaz Khan. Influence of abiotic factors on growth and sporulationof *Neocosmospora rubicola* associated with stem rot ofpotato in Punjab, Pakistan. Mycopath (2018) 16(2): 57-64

Dr. Arshad Javaid, Associate Professor

- Javaid A, Latif U, Akhtar N, Ahmed D, Perveen S (2018). Molecular characterization of *Fusarium moniliforme* and its management by methanolic extract of *Coronopus didymus*. Pakistan Journal of Botany 50(5): 2069-2075. [IF 0.672]
- Aftab A, Yousaf Y, Javaid A, Riaz N, Younas A, Rashid M, Shamsheer B, Arif A (2019). Antifungal activity of vegetative methanolic extracts of *Nigella sativa* L. against *Fusarium oxysporum* and *Macrophomina phaseolina* and its phytochemical profiling by GC-MS analysis. International Journal of Agriculture and Biology 21(3): 569-576. [IF 0.802]
- Javed S, Javaid A, Qureshi MZ (2018). Antifungal phytocomponents in n-butanol fraction of leaf extract of *Kochia indica*. International Journal of Biology and Biotechnology 15(4): 661-666. [HEC - Y]



- Javed S, Javaid A, Al-Taei AH, Qureshi MZ (2018). Identification of antimicrobial compounds from n-hexane stem extract of *Kochia indica* by GC-MS analysis. *Mycopath* 16(2): 51-55.
- Tahir A, Khan SN, Javaid A, Riaz M (2018). Morphological and molecular characterization of *Fusarium thapsinum*, causing stalk rot of maize in Punjab, Pakistan. *Mycopath* 16(2): 57-64.
- Shoaib A, Nisar Z, Nafisa, Javaid A, Khurshid S, Javed S (2019). Necrotropic fungus *Macrophomina phaseolina* tolerates chromium stress through regulating antioxidant enzymes and genes expression. *Environmental Science and Pollution Research* 26(12): 12446-12458. [IF 2.914]
- Javaid A, Anjum F, Akhtar N (2019). Molecular characterization of *Pyricularia oryzae* and its management by stem extract of *Tribulus terrestris*. *International Journal of Agriculture and Biology* 21(6): 1256-1262. [IF 0.802]
- Javaid A, Anjum F, Mahmood R, Akhtar N (2019). Relationship between soil chemical characteristics and soil-borne fungi in tomato tunnels of Punjab, Pakistan. *Bangladesh Journal of Botany* 48(3): 409-416. [IF 0.214]
- Javaid A, Khan IH (2019). Mycoflora associated with seeds of different varieties of chickpea and its effect on germination and radicle growth. *International Journal of Biology and Biotechnology* 16(1): 175-179. [HEC - Y]
- Javaid A, Rafiq M, Shoaib A (2019). Potential bioactive phytoconstituents in *Carthamus oxyantha* M. Bieb. root. *International Journal of Biology and Biotechnology* 16(1): 221-229. [HEC - Y]
- Tahir A, Javaid A, Khan SN, Riaz M (2019). Distribution of stalk rots of maize in Punjab, Pakistan. *International Journal of Biology and Biotechnology* 16(3): 703-708. [HEC - Y]

Dr. Muhammad Nasir Subhani, Associate Professor

- M. Ali, A.A. Shahid¹, and M.N. Subhani. 2019. Mapping and monitoring for the valuation of soil fungi and chili damping off. *The Journal of Animal & Plant Sciences*, 29(3):737-745.
- Yousaf, Q., Subhani, M.N., Iqbal, M.Z., and Chattha, M.B. (2018). Effectiveness of fungicides, methanolic botanical extracts and antagonists against invasive *Phytophthora palmivora* inciting leaf spots of Chinese fan palm. *Bionature*, 38(6): 376-385.
- Imtiaz, K., Subhani, M. N., Shafiq, M., Anwar, W., Ghaffar, R. and Haider, M. S. (2018). Genetic Diversity of *Alternaria* Isolates in Pakistan. *Bionature*, 38(6): 355-365.
- Kiran Nawaz, Ahmad Ali Shahid, Louis Bengyella, Muhammad Nasir Subhani, Muhammad Ali, Waheed Anwar, Sehrish Iftikhar, Shinawar Waseem Ali. 2018. Evidence of genetically diverse virulent mating types of *Phytophthora capsici* from *Capsicum annum* L. *World Journal of Microbiology and Biotechnology*. 34:129-145. Impact Factor = 2.10



Dr. Amna Shoaib, Associate Professor

- Shoaib, Nisar Z., Nafisa, Javaid A., Khurshid S. and Javed S. (2019). Necrotrophic fungus *Macrophomina phaseolina* tolerates chromium stress through regulating antioxidant enzymes and genes expression. *Environmental Science and Pollution Research*, 26(12):12446-12458. (IF: 2.91)
- Shoaib, Awan Z.A. and Khan K.A. (2019). Intervention of antagonistic bacteria as potential inducer of disease resistance in tomato to mitigate early blight. *Scientia Horticulturae*, 252 (27): 20-28. (IF: 1.96)
- Z.A. Awan, A. Shoaib and Khan K.A. (2019). Crosstalk of Zn in combination with other fertilizers underpins interactive effects and induces resistance in tomato plant against early blight disease, *The Plant Pathology Journal*, 35(4): 330-340. (IF: 1.294)
- Javaid, Muhammad R. and Shoaib A. (2019). Potential bioactive phytoconstituents in *Carthamus oxycantha* M. Bieb. root. *International Journal of Biology and Biotechnology*, 16(1): 221-229.
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- Muhammad Aamir Iqbal, A. Hamid, T. Ahmad, M. H. Siddiqui, I. Hussain, S. Ali, A. Ali, and Z. Ahmad. 2019. Forage sorghum-legumes intercropping: effect on growth, yields, nutritional quality and economic returns. *Bragantia*. 78 (1): 82-95 [IF: 1.058]
- Ammara Fatima, S. Ali, M. Ijaz, R. Mahmood, J. Khan, A. I. Dar, M. Ahmad and S. Sattar. 2018. Boron application improves the performance of fine grain rice cultivars. *Pakistan Journal of Agricultural Sciences*. 55 (4): 761-766 [IF: 0.618]
- Sajid Ali, S. Afzaal, A. Fatima, S. W. Ali, M. Anees, F. Saeed, Q. A. Bukhari, A. N. Shahzad, M. Munir. 2018. Effect of different lights interception and varying concentration of nitrogen fertilization on polyphenols in *Nigella sativa*. *Z. Arznei- Gewurzpfla.* 22 (3): 138-141 [IF: 0.080]
- Muhammad Aamir Iqbal, Z. Maqbool, Z. Ahmad, E. Ali, S. Ali, S. Afzal. 2018. Revamping soil quality and correlation studies for yield and yield attributes in sorghum-legumes intercropping systems. *Bioscience Journal*. 34 (3): 1165-1176 [IF: 0.375]



Dr. Muhammad Shafiq, Assistant Professor

- Muhammad Shafiq, Mukhtar Ahmad, Ayesha Nisar, Muhammad Tariq Manzoor, Arslan Abid, Sehrish Mushtaq, Adeel Riaz, Muhammad Ilyas, Waseem Sarwar, Muhammad Shah Nawaz-ul-Rehman, Saleem Haider, Ayesha Younus, Muhammad Mubin (2019) Molecular characterization and phylogenetic analysis of tomato leaf curl Palampur virus, a bipartite begomovirus, associated with Cucumis sativus L. in Pakistan, 3 Biotech (2019) 9:204 IF 1.786
- Mushtaq, S., M. Shafiq, T. Ashraf, M. S. Haider, M. Ashfaq* and M. Ali. 2019. Characterization of plant growth promoting activities of bacterial endophytes and their antibacterial potential isolated from citrus. J. Ani. Pla. Sci. 29 (4): 978-991(IF:0.529)
- Muhammad Usman Ashraf, Kanzal Iman, Talha Shaf, Muhammad Farhan Khalid, Hafiz Muhammad Salman, Momal Rafi, Nida Javaid, Rashad Hussain, Fayyaz Ahmad, Syed Shahzad ul Hussan, Shaper Mirza, Muhammad Shafiq, Samia Afzal, Sadia Hamera, Saima Anwar, Romena Qazi, Muhammad Idrees, Sohail A. Qureshi, Safee Ullah Chaudhary (2019) Evolution of Efficacious Pan-Genotypic HCV Therapies, Medicinal Research Review Med Res Rev. 2019;39:1091–1136.IF 9.12
- Sajid Ali, A. Fatima, S. Khalid, F. Saeed, M. Shafiq, S. Afzaal, M. S. Haider, W. Tariq and J. Khan. 2019. Virus titer as a disease resistance indicator in Tomato. Bangladesh J. Bot. 48 (3): 609-617 [IF: 0.214]
- Ahmad, S. Alam, M. W, Majeed, S. Bilal, M. Shafiq, M, Khurshid, M. Sarwar, M. Shafeeq, T. Salman, S, Ali, Q. (2019) A study of morphological and qualitative plant traits against the infestation of Chilo infuscatellus L. (PYRALIDAE, LEPIDOPETRA), APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH 17(3): 7057-7065 IF 0.687
- M. I. Qamar, M. U. Ghanzafar, M. F. Abbas, R. Zainab, S. Andleeb, M. Shafiq, and S. Mushtaq (2019) First Report of Macrophomina phaseolina Causing Crown and Root Rot on Strawberry in Sargodha, Pakistan; Plant Disease Published Online:19 Mar 2019 <https://doi.org/10.1094/PDIS-10-18-1876-PDN> IF 3.58
- Sehrish Mushtaq, Muhammad Shafiq, Ummad Hussain, aFreeha Ali, Amna Ali, Faiza Khan, Muhammad Asim, Muhammad S. Haider (2019) Incidence of Pantoea agglomerans associated with Barnyard grass (Echinochloa crusgalli L.) in Pakistan Pak. J. Phytopathol., Vol. 31 (01) 2019. 119-122

○ **Books/Edited**

Dr. Muhammad Arshad Javed, Professor

- Research trends in crop plants (ISBN 978-983-52-1558-2) Published in Malaysia by PENERBIT UTM PRESS Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor Darul Ta'zim, MALAYSIA
- Crop plants and abiotic toxicities (ISBN 978-983-52-1562-9) Published in Malaysia by PENERBIT UTM PRESS Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor Darul Ta'zim, MALAYSIA



Book Chapters

- Microsatellites Markers and Plant improvement Chapter 1. Page 1-20. Research Trends in Crop Plants (ISBN 978-983-52-1558-2)
- Strategies to Manage the Bacterial Blight Disease in Rice Chapter 2. Page 21-36. Research Trends in Crop Plants (ISBN 978-983-52-1558-2)
- Heavy metals toxicity in rice crop cultivation Chapter 1. Page 1-18. Crop Plants and Abiotic Toxicities (ISBN 978-983-52-1562-9)
- Plants survivability against salt stress Chapter 3. Page 55-72. Crop Plants and Abiotic Toxicities (ISBN 978-983-52-1562-9)
- Lead toxicity: physiological biochemical and ultrastructural in plants Chapter 6. Page 101-112. Crop Plants and Abiotic Toxicities (ISBN 978-983-52-1562-9)
- Relationship between Soil Properties and Contamination of Charcoal Rot Disease in Soybean Fields Chapter 5. Page 75-96. Plant Science and Its Applications (ISBN 978-983-52-1573-5)

Dr. Shahbaz Ahmad, Assistant Professor

- Toxicity Evaluation of Flora and fauna Exposed to the Marine Pollution.

Dr. Rashid Mahmood, Assistant Professor

Books chapter

- Riaz, M., Arif, M. S., Ashraf, M. A., Mahmood, R., Yasmeen, T., Shakoor, M. B., & Fahad, S. (2019). A Comprehensive Review on Rice Responses and Tolerance to Salt Stress. In *Advances in Rice Research for Abiotic Stress Tolerance* (pp. 133-158). Woodhead Publishing.

Dr. Shinawar Waseem Ali, Assistant Professor

Books chapter

- Muhammad Imran, Faqir Muhammad Anjum, Shinawar Waseem Ali, Ihtisham-Ul-Haq and Hafiz Ansar Rasul Suleria. Olive Oil Phenols: Chemistry, Synthesis, Metabolism, Fats, and Their Allied Health Claims. In: *Human Health Benefits of Plant Bioactive Compounds Potentials and Prospects*, Editors: Megh R. Goyal, PhD and Hafiz Ansar Rasul Suleria, PhD. Apple Academic Press, July 2019
- Aftab Ahmed, Muhammad Sajid Arshad, Ali Imran and Shinawar Waseem Ali. Introductory Chapter: Meat Science and Human Nutrition, In: *Meat Science & Nutrition*. IntechOpen, 2018: 3-14

Dr. Muhammad Shafiq, Assistant Professor

Books chapter

- Muhammad Shafiq, Sehrish Mushtaq Muhammad Saleem Haider "Host Pathogen Interaction: Interaction between bacterial endophytes and different host plants" has been accepted for publication in the book "Plant Pathology", ISBN 978-953-51-6125-7.



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

Prof. Dr. Muhammad Saleem Haider, Professor & Director

Organized

- Muhammad Saleem Haider (2018). Seminar on “Climate Smart Agriculture: Building Resilience to Climate Change” at IAGS on 12.10.2018.
- Muhammad Saleem Haider (2018). Seminar on “WWF-Pak International Eco. Internship Program-2018”, at IAGS on 11.10.2018.
- Muhammad Saleem Haider (2018). Seminar on “Burning crop residue in Punjab, Pakistan, can farmers do better for the environment” at IAGS on 02.10.2018.
- Muhammad Saleem Haider (2018). Seminar on “3rd Kitchen Gardening and Seed Distribution”, at IAGS on 27.09.2018.
- Muhammad Saleem Haider (2018). Seminar on “Significance of bioinformatics in biological sciences”, held at IAGS on 10.09.2018.
- Muhammad Saleem Haider (2018). One-day International seminar on “An overview of food safety & nutrition policies in the western world: An opportunity for Pakistan to benefit from the experience”, held at IAGS on 04.08.2018.
- Muhammad Saleem Haider (2018). Organized one-day National Seminar on “Looming Water Crisis in Pakistan, Impact & Solution” at LCCI on 12.07.2018.
- Muhammad Saleem Haider (2018). Organized a national seminar on “Future Outlook & Challenges for the Sustainable Management of Insect Pests: Progress & Prospects” at IAGS on 02.05.2018.
- Muhammad Saleem Haider (2018). Organized one-day training on “Current Trends in Halal Food Safety Assurance (Issues/Challenges)” in collaboration with different organizations like Halal Food & Minhaj University, at IAGS on 26.04.2018.
- Muhammad Saleem Haider (2018). Organized an International Seminar on “Resource Conservation for Sustainable Agriculture and Food Security” at IAGS on 19.04.2018.
- Muhammad Saleem Haider (2018). International seminar on “Consequences of Indus Water Treaty on Pakistani Agriculture”, held at IAGS on 09.04.2018.
- Muhammad Saleem Haider (2018). Organized an International Seminar on “Floriculture Industry and Business Opportunities in Pakistan” at IAGS on 06.04.2018.
- Muhammad Saleem Haider (2018). Organized one-day 3-D Designing Workshop on “e-Garden” at IAGS on 08.02.2018.
- Muhammad Saleem Haider (2018). Organized a seminar on “Pest (Termites) Control in Food Processing Industries” at IAGS on 31.01.2018.

Participated

- Participated and presented paper titled “Molecular characterization of okra enation leaf curl virus, a new member of cotton leaf curl disease complex infecting cotton in Pakistan” in ‘3rd ACSTM 2019 Conference, held on 12-14 February 2019 in Dubai, UAE. (Travel grant Rs.263,440/- awarded by the HEC).
- Participated in Conference on Microbiology & Molecular Genetics, on 07.02.2018 organized by the Department of Microbiology & Molecular Genetics, P.U. Lahore.



Dr. Tehmina Anjum, Professor

- Oral presentation on “Biodetoxification of Aflatoxins B1 and B2 in stored maize using phyto extracts” in 2nd International Conference on new trends in natural sciences II: Public health, food nutrition & safety. Organized by Department of Biotechnology & Zoology; Lahore College For Women University, Lahore on October 24 – 26th, 2018.
- Participated in one day training workshop on resource tunnel farming. Organized by the Institute of Agricultural Sciences, University of the Punjab, Lahore on November 13th, 2018.
- Oral presentation on “Anti-aflatoxigenic potential of indigenous plant extracts in maize” in 2nd International Conference on Plant Sciences. Organized by Department of Botany; Government College University, Lahore on December 5 – 7th, 2018.
- Oral presentation on “Use of indigenous Bacilli to induce systemic resistance in tomato against Fusarium wilt” in Humboldt Kolleg International Conference on Microbes for Sustainable Agriculture. Organized by Formans Christian College University, Lahore on March 25 – 28th, 2019.

Muhammad Arshad Javed, Professor

- 2019. 5th International Conference on Environmental Science and Technology (ICOEST). on October 09-13, 2019. Sarajevo, Bosnia and Herzegovina.
- 2019. International Conference on Biosciences & Medical Engineering, on April 11-12, 2019. Bali, Indonesia
- 2018. 4th International Conference on Environmental Science and Technology (ICOEST). September 19-23, 2018. Kiev, Ukraine

Dr. Salik Nawaz Khan, Associate Professor

- Salik Nawaz khan (2019) “impact of weather shift and distribution of some important plant diseases in Punjab. Pakistan in international conference on environmental toxicology and health organized by department of environmental sciences Comsats University Islamabad Vehari Campus on February 25-27-2019.
- Salik Nawaz khan (2019). “Distribution of powdery mildew on fields and waste land weeds in urban and sub urban areas of central Punjab” 5th international multidisciplinary research conference on global prosperity through research & Sustainable development October 29-31, 2019
- Salik Nawaz khan (2018). Salik Nawaz khan oral presentation in 4th international multidisciplinary research conference on global prosperity through research & development held in Sarhad university of Science and Technology. Peshawar Pakistan on October 9-11, 2018.
- Salik Nawaz khan (2018). “Aggressiveness studies of Alternaria solani associated with purple blotch of onion in Conference on microbiology and molecular genetics organized by department of Microbiology and Molecular Genetics. University of the Punjab, Lahore. Pakistan on 7-9 February 2018.



- Salik Nawaz Khan (2018). Effect of changing climate conditions on plant disease distribution in Punjab Pakistan in 4th international multidisciplinary research conference global prosperity through research & development. Organized by Sarhad University of science and information technology Peshawar Pakistan on 9-11 October 2018.
- Salik Nawaz Khan (2018). Fungicidal activity of crop and wasteland weeds against *Myrothecium roridum* associated with *Myrothecium* leaf spot disease of *Momordica charantia* (bitter melon) in international horticulture conference organized by Pir Mehwar Ali Shah Arid Agriculture University Rawalpindi Pakistan on 25-27 April 2018.

Dr. Arshad Javaid, Associate Professor

- Javaid A, Banaras S (2018). Antifungal activity of *Ageratum conyzoides*. In: 4th International Multidisciplinary Research Conference: Global Prosperity through Research and Development, October 9-11, 2018, Sarhad University of Science and Information Technology, Peshawar, Pakistan.
- Javaid A (2018). Antifungal potential of asteraceous weeds against *Macrophoma phaseolina*. In: 2nd National Conference on Bioactivity of Phytochemicals, November 13-15, 2018, University of Lahore, Lahore, Pakistan.
- Javaid A, Akbar M (2018). Use of natural resources for weeds management in wheat. In: National Conference on Agricultural Problems and Food Security in the Changing Climate, November 14-17, 2018, University of Agriculture, Peshawar, Pakistan.
- Javaid A, Banaras S (2018). Non-chemical control of charcoal rot of urdbean by *Sonchus oleraceus* application. In: 3rd Africa International Allelopathy Congress, November 24-26, 2018, Blida 1 University, Blida, Algeria.
- Javaid A, (2018). Identification of potential antifungal constituents in flowers of babul through GC-MS analysis. In: 2nd International Conference on Plant Sciences, December 5-7, 2018, Department of Botany, GC University Lahore, Pakistan.
- Javaid A, (2018). Molecular characterization of *Alternaria brassicae* and its management by leaf extract of *Syzygium cumini*. In: 3rd International Symposium on Advances in Molecular Biology of Plants and Health Sciences, December 19 to 21, 2018, CEMB University of the Punjab Lahore, Pakistan.
- Javaid A, Jabeen N (2019). Potential use of devil's trumpet in plant disease management. In: The GRIP's International Conference of Food-Agricultural Sciences and Technologies, January 15-17, 2019, Expo Center Lahore, Pakistan.
- Javaid A, Jabeen N (2019). Exploiting allelopathic potential of *Datura metel* to control collar rot disease of bell pepper. In: 1st International Conference on Sustainable Agriculture: Food Security under Changing Climate Scenarios (ICSA-2019), April 3-5, 2019, Ghazi University, Dera Ghazi Khan, Pakistan.



Dr. Muhammad Nasir Subhani, Associate Professor

- Participated in Conference on Microbiology & Molecular Genetics, on 07.02.2018 organized by the Department of Microbiology & Molecular Genetics, P.U. Lahore.
- Attended International Conference of Punjab University 2019, Recent Innovations in Molecular Sciences, held on 06-08, November, 2019, P.U., Lahore.

Dr. Uzma Bashir, Associate Professor

- Phytochemical Analysis of *Alstonia Scholaris* for the Management Of *Sclerotium Rolfsii*. 3rd International Conference on “Biosciences” (ICBS-38-2018): GC University, Lahore, Pakistan. May 09th -11th, 2018.
- Evaluation of herbicidal activity of *Aspergillus phoenicis* metabolites for the management of parthenium weed. International Conference on Microbiology and Molecular Genetics (MMG2018): February 07 – 09, 2018 Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan.
- Evaluation of *Aspergillus Niger* metabolites for the management of parthenium weed. The International Conference on Beneficial Microbes (ICOBM 2018). The Waterfront Hotel, Kuching, Malaysia. 30th July -1st August 2018.

Dr. Amna Shoaib, Associate Professor

- 1st International and 3rd National Conference on the Biodiversity of Phytochemicals: Using Plants to Improve Life, 26-27th November, 2019. Institute of Molecular Biology and Biotechnology, University of Lahore, Off Raiwind Road Campus, PAKISTAN.
- Recent Innovations in Molecular Sciences” 06-08, November, 2019, at the University of the Punjab (Quaid-e-Azam Campus), Lahore. University of the Punjab. PAKISTAN

Dr. Muhammad Ashfaq, Assistant Professor

- Attended 1st International and 2nd conference challenges and opportunities to boost agriculture in changing climate March, 26-28, 2018 organized by college of Agriculture BZU.
- Attended International Horticulture Conference Pakistan 2018 held on April 25-27, 2018 organized by PMAS Arid Agriculture University Rawalpindi, Pakistan
- Attended International conference “2nd Global conference on Plant Science and Molecular Biology” (GPMB-2018) from 20-22 September, 2018.

Dr. Rashid Mahmood, Assistant Professor

- Mahmood, R., I. Attique, F. Qurat-ul-Ain. Leaf color charts for nitrogen management in five summer vegetables. Oral presentation: 1st International Conference on Soil and Crop Health in Changing Climate, November 28-29, 2018, Department of Soil and Environmental Sciences, MNS – University of Agriculture, Multan.

Dr. Muhammad Bilal Chattha, Assistant Professor

- Participated and presented research paper in 2018 ASA, CSSA and CSA International Annual Meetings held on December 04-07, 2018, at Baltimore, MD.USA.



- Attended 5-Days Training Course on “Adopting Modern Techniques for Development of Agriculture” at Pakistan Academy for Rural Development, Peshawar, during 18-22 February, 2019.

Dr. Shinawar Waseem Ali, Assistant Professor

- Muhammad Akhlaq, Shinawar Waseem Ali and Sohaib Afzaal. Effect of cooking and milling on amino acid profile of rice, “1st Pakistan Food & Pharma International Summit & Pakistan Healthcare Expo-2019”, 10-11 July 2019, Pak-China Expo Centre, Islamabad Pakistan.
- Shinawar Waseem Ali (Guest Speaker). Food Safety: Every One’s Buisness. World Food Safety Day, 10 June 2019, at University of Central Punjab, Lahore, Pakistan.
- Shinawar Waseem Ali (Invited Speaker) and Kainat Ashfaq. Use of aloe vera in food processing for value addition and improved nutrition, “4th International Conference on Food and Nutritional Security in Challenging Climate, 3-4 March 2019, BZ University Multan, Pakistan.
- Shinawar Waseem Ali, Muhammad Waqas Ashraf and Muhammad Shoaib Mehmood. Safety and quality evaluation of domestic drinking water in district Bahawalnagar, “International Conference on Environmental Toxicology and Health (ESCON-2019)”, 25-27 February 2019, COMSATS University, Vehari Campus, Pakistan.
- Shinawar Waseem Ali and Maryam Saeed. Utilization of Aqueous Extract of Moringa Oleifera for Production of functional flavored yogurt moringa with relevance to malnutrition in children and nursing mothers, “International Conference on Food and Agriculture Technologies (ICFAST-2019)”, 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan.
- Moazzam Anees, Ali Zain Awan, Shinawar Waseem Ali, Muhammad Tariq Manzoor, Sajid Ali. Effect of Different Post-Harvest Treatments to Improve the Physico-chemical characteristics of guava (Psidium guajava) fruit cv. Surahi, “International Conference on Food and Agriculture Technologies (ICFAST-2019)”, 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan.
- Muhammad Akhlaq, Shinawar Waseem Ali and Sohaib Afzaal. Effect of particle size on the quality characteristics of leavened flat bread (naan), “International Conference on Food and Agriculture Technologies (ICFAST-2019), 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan
- Maryam Saeed and Shinawar Waseem Ali. Production of mango flavoured yogurt suplimented with moringa oleifera leaf powder, “International Conference on Food-Agriculture Science and Technologies (ICFAST-2019)”, 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan.
- Mateen Ahmad, Shinawar Waseem Ali and Muhammad Aasim. Nutraceutical potential and antioxidant activities of aloe vera juice against hyperlipidimia, “International Conference on Food-Agriculture Science and Technologies (ICFAST-2019)”, 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan.



- Shinawar Waseem Ali (Invited Speaker). Food Safety Assessment of Drinking Water from different areas of Lahore, Pakistan, Int'l Symposium on Food Security, Quality and Safety (ISFSQS-2018), 27-28 November 2018, at University of Central Punjab Lahore.

Organization/ Participations in Conferences/Seminars

- Chief organizer/Chairman, Int'l Symposium on "Pakistan Halal Industry: A gateway to success (Theme; Halal Accreditation: Adding Value to Lifestyle & Economic Success", October 23-24, 2019 at University of the Punjab.
- Chief Organizer Awareness walk on "World Food Day 2019", October 16, 2019 at Univeristy of the Punjab Lahore.
- Collaborator for the organisation of Punjab Food Authority Seminar entitled "Milawat sey Paak, Naya Pakistan", 14 August 2019, at University of the Punjab.
- Member Organizing Committee "1st Pakistan Food & Pharma International Summit & Pakistan Healthcare Expo-2019", 10-11 July 2019, Pak-China Expo Centre, Islamabad, Pakistan.
- Organized a session entitled "Food packaging and labelling standards" in 8th Invention to innovation summit, 2-3 April 2019, held at University of the Punjab, Lahore, Pakistan
- Organizer/Chairman "International Conference on Food-Agriculture Science and Technologies (ICFAST-2019)", 15-17 January 2019, University of the Punjab and Expo Centre Lahore, Pakistan

Trainings And Workshops

- Participated in Training on "Halal Lead Implementer Course PS:3733-2016", 12-13 July 2019 by Fahm-ul-Halal, held at TTI Labs Lahore
- Participated in Training of Trainers on "Research Methodologies in Nutrition Research", 8-11 October 2019, organized by Scaling Up Nutrition Academia & Research (SUN-AR) Network at University of Lahore, Pakistan

Dr. Shahbaz Ahmad, Assistant Professor

- Shahbaz Ahmad., Repellent activity of plant essential oils against rice weevil, *Sitophilus oryzae* (Coleoptera: Curculionidae) present on International Congress of Entomology, Organized by Entomological Society of America (ESA) and Entomological Society of Canada in Vancouver Canada from November 11- 14, 2018.
- One-day training Workshop on Tunnel farming organized by Institute of Agricultural Sciences, University of the Punjab, Lahore on November 13, 2018.
- Online course Citrus IPM: Citrus Peel Miner Biology and Management by University of California Lindcove Research and Extension Center on December 29, 2018.

Dr. Muhammad Ali, Assistant Professor

- Muhammad Ali, To study the response of various generic plant extracts to control the Jassid and white fly populations crop. Entomological Society of America. ST Louis, MO, USA 17-20 Nov 2019. Pp 112.
- Participated in International conference Title with" Strategic research on international cooperative & development of Honglian type hybrid rice, at August 28-30 2019 in Wuhan University, Wuhan China.



- Poster presentation on, The experimental study to calculate the role of a biotic on the fluctuation of jassid on the kharif okra crop. International Horticultural conference Pakistan. BZU Multan, Feb 24-28 (2019) pp 195.
- Poster presentation on "The comparative study of *Abelmoschus esculentus* varieties against *Amrasca* spp in Lahore Punjab. International conference on Food Agriculture Science & technology(IC-FAST), organized by GRIP under the umbrella of University of the Punjab. PP 64.
- Poster presentation of "The Experimental work on different plant extract which were used as biopesticide to control the okra Jassid *Amrasca biguttula biguttula* in Lahore 39 Pakistan congress of zoology Punjab Zoological society of Pakistan, University of the Punjab, Lahore. (4-6 March 2019) pp346.

Dr. Zill-e-Huma, Assistant Professor

- Oral Presentation and Participation in ICPU 2019 "Recent Innovations in Molecular Sciences", University of the Punjab (Quaid-e-Azam Campus), Lahore during November 06-08, 2019.
- Poster Presentation, A Potential Antineoplastic Source against Hep2 and MCF7 Human Cancer Cell Lines. International conference on Solid State Physics. 18-20th December, 2019, Center of Solid State Physics, University of the Punjab Lahore, Pakistan

Dr. Sajid Ali, Assistant Professor

- Sajid Ali, Ammara Fatima, Sohaib Afzaal, Hafiz Azhar Ali Khan, Moazzam Anees and Muhammad Tariq Manzoor. 2019. Do farmers know the medicinal and economical importance of non-traditional herbs? In Abstracts, 6th International Conference on "Sustainable Agriculture in Changing Climate: Strategies and Management". University of the Poonch Rawalakot, AJK. June 19-21
- Sajid Ali, Ammara Fatima, Sohaib Afzaal, Hafiz Azhar Ali Khan, Moazzam Anees and Muhammad Tariq Manzoor. 2019. Medicinal value of non-traditional crops: Do the farmers care about it? In Abstracts, International Horticulture Conference. Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan. pp 136. February 26-28.
- Sajid Ali, Ammara Fatima, Sohaib Afzaal, Waheed Anwar, Adnan Zahid, Adnan Akhter, Moazzam Anees, Muhammad Tariq Manzoor. 2019. Polyphenols for detoxification of heavy metals. In Abstracts, International Conference on Environmental Toxicology and Health, Department of Environmental Sciences, COMSATS University Islamabad, Vehari Campus, PAKISTAN. pp 6. February 25-27.

Dr. Muhammad Shafiq, Assistant Professor

- Characterization of plant growth promoting activities of bacterial endophytes and their antibacterial potential isolated from citrus presentation at International conference of Punjab University 2019 Recent innovation in molecular Science from November 06-08 2019



- 11th Asian Federation of Biotechnology (AFOB) Regional Symposium Singapore, 23-25 January 2019 Diversity mutation recombination and evolution of tomato leaf curl geminiviruses disease complex in Pakistan and its control strategies using RNAi
- CSEE/ESC joint annual meeting, August 18th-21st 2019, at the Fredericton Convention Centre, Fredericton, NB, Canada. Abstract entitled 'Evolution and diversity of cotton leaf curl disease complex and associated whitefly biotype complex species in Pakistan'
- International conference of Punjab University 2019 Recent innovation in molecular Science from November 06-08 2019 Establishment of DNA Barcoding system for identification of citrus flora of Pakistan
- 2nd GRIPS international conference on Pharmaceutical and Biochemical Sciences (IC-PBS) on 15-17 January 2019 at Expo Center Lahore Pakistan
- Horticultural Crop Production and Protection by UOS Horticulture Department from September 19-20 2019 at Sargodha Pakistan Chickpea chlorotic dwarf virus L strain isolated from cotton induced downward leaf curling leading to cupping in *N. benthamiana* and leaf curling in chili
- Paper presentation at International Horticulture Conference BZU Multan from February 26, 2019 @ 8:00 am - February 28, 2019 @ 5:00 pm
- Range Bahar 2019 at PHA Race course Park Lahore
- Sustainable Urban Landscape 24th April 2019 at University of Agriculture Faisalabad
- Agri Job Fair 2019 at IAGS Punjab University Lahore
- National Agri Tourism Conference University of Haripur
- Spring Festival IAGS 2019

Dr. Zahida Qadeer, Assistant Professor

- Abstract published in International conference on Pharmaceuticals and biochemical sciences, 2019
- Organizing the Halal accreditation; adding value to lifestyle and economic success, October, 2019, Lahore
- Poster presentation (4) International conference on recent innovations in molecular sciences, November, 2019, Punjab University. Lahore
- Abstract published in International conference on Food, Nutrition and Agriculture 2019, Turkey

Mr. Nadeem Shad, Lecturer

- Shad N., Z. Sultan, A. Zahid & A. Javaid, 2019. Effect of Micronutrients (Zn, Mn) and Biocontrol Agent (*Trichoderma* spp.) on the Severity of Fusarium Wilt of Tomato. International Conference of Punjab University 2019 (ICPU 2019) on "Recent Innovations in Molecular Sciences" held at School of Biological Sciences' University of the Punjab; Lahore, Pakistan. November 2019.



○ Research Journals

Dr. M. Saleem Haider, Professor & Director

- Riaz, M., Mahmood, R., Khan, S.N. and Haider, M.S. (2019). Onion tip burn: Significance and response to amount and form of nitrogen. *Scientia Horticulturae*, 261(2020): 1-5 (Impact factor: 1.961).
- Ali, Z., Shahzad, H., Hussain, M., Mushtaq, S., Haider, M.S. and Shafiq, M. (2019). Combined effect of different doses of plant growth regulators (IBA and Zeatin) on the physiology of *Capsicum annum* L. fruit. *World Journal of Biology and Biotechnology*, 4(3): 11-14.
- Abid, M., Khan, MA, Mushtaq, S., Rana, M.A., Afzaal, S. and Haider, M.S. (2019). A review on future of baculaviruses as a microbial biocontrol agent. *World Journal of Biology and Biotechnology*, 4(3): 1-6.
- Kalsoom, R., Chohan, S., Haider, M.S. and Abid, M. (2019). Synergistic effect of plant extracts and fungicide against purple blotch disease of onion. *Plant Protection*, 3(2):
- Mushtaq, S., Shafiq, M., Ashraf, T., Haider, M.S., Ashfaq, M. and Ali, M. (2019). Characterization of plant growth promoting activities of bacterial endophytes and their antibacterial potential isolated from citrus. *Journal of Animal and Plant Sciences*, 29(4): 978-991.
- Afzaal, S., Hameed, U., Ahmad, N., Rashid, N. and Haider, M.S. (2019). Molecular identification and characterization of lactic acid producing bacterial strains isolated from raw and traditionally processed foods of Punjab, Pakistan. *Pakistan Journal of Zoology*, 51(3): 1145-1153. (Impact factor 0.105)
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Dr. Shahbaz Ahmad, Assistant Professor

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Dr. Muhammad Ali, Assistant Professor

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Dr. Zill-e-Huma, Assistant Professor

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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
 - Institute of Chemistry, University of the Punjab, Lahore
 - Lahore College for Women University, Lahore
 - Engro Pvt. Ltd, Lahore
- **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.
 - Punjab University and Wuhan University China
 - University of Wisconsin-Madison, USA
 - Punjab University – University of Guelph, Canada
- **Funding grants for R&D**
- Prof. Dr. Muhammad Saleem Haider: Principal Investigator in one year (2018) project entitled “Functional characterization of Mastrevirus promoter – An alternative of CaMV 35S Promoter”. Grant Rs.0.250 million by the University of the Punjab
 - Prof. Dr. Muhammad Saleem Haider: Co-Principal Investigator in one year (2018) project entitled “Awareness of climate smart agriculture practices among the agri communities for sustainable environment development (under Social Integration Outreach Program (SIOP) of HEC)”. Grant Rs.1.0 million jointly by the University of the Punjab and HEC.
- Dr. Shazia Shafique, Associate Professor
- Principal Investigator in one year (2018) project entitled “Antagonistic potential of Trichoderma secondary metabolites against Alternaria alternata”. Grant Rs.0.150 million by the University of the Punjab.



Dr. Muhammad Bilal Chattha, Assistant Professor

- Completed a research project as Principal Investigator, entitled “Evaluation of Different Planting Geometries and Fertigation Levels under Surface and Subsurface Drip Irrigation System for Improving Water Use Efficiency under Various Crops.” worth PKR.2.212 million during 2017-19 funded by Water Management Training and Research Institute, Punjab, Lahore.

INSTITUTE OF APPLIED PSYCHOLOGY

○ **Research & Development: An Overview**

A Centre for Psychological Research and Services has been established as a unit of the Institute of Applied Psychology. The aim is to produce high quality research. All the information on Institutional research is also available on: <http://pu.edu.pk/home/department/39/Institute-of-Applied-Psychology>. Since its inception, the Centre has also been actively engaged in rendering informal professional services to the individuals. Appropriate services are also provided to the organizations such as: Social Welfare Departments, Prisons, Staff Training Institutions, Civil Defense, Selection Boards, Business Organizations and Educational Institutions. Research projects are integral part of all academic programs and faculty members are actively involved in carrying out individual research as well research supervision.

○ **Projects: Completed**

Sr. No.	Name of Faculty Member	Project Name	Duration	Sponsoring Agency	Funding Rs.
1	Dr. Rafia Rafique Associate Professor	Self-Reported and Clinician Rated Mental Health Concerns and Perceived Barriers in Seeking Services among University Students	One Year	Punjab University	2,00,000/-
2	Dr. Shazia Khalid Assistant Professor	Sick Building Syndrome and Job Performance in Female Factory Workers	One Year	Punjab University	1,50,000/-
3	Dr. Iram Fatima Assistant Professor	Health Locus of Control, Illness Behavior and Headache Related Quality of Life in Migraine Patients	One Year	Punjab University	1,50,000/-
4	Dr. Afsheen Masood Assistant Professor	Parenting Styles, Family Environment, Suicidal Ideation and Emotional Regulation in Late Adolescents	One Year	Punjab University	1,50,000/-



5	Dr. Saima Ghazal Assistant Professor	Child Abuse Risk Literacy: Preventing Child Abuse in Families at High Risk	One Year	Punjab University	1,50,000/-
6	Dr. Mujeeba Ashraf Assistant Professor	Violent Video Games and Aggressive Behaviour in Late Childhood	One Year	Punjab University	1,50,000/-

○ **Projects: New launched**

Sr. No.	Name of Faculty Member	Project Name	Duration	Sponsoring Agency	Funding Rs.
1	Dr. Rafia Rafique Associate Professor	Efficacy of Surah Al-Rehman in Anger Management of Adolescents	One Year	Punjab University	2,00,000/-
2	Dr. Shazia Qayyum Assistant Professor	Development and Validation of Indigenous Organizational Conflict Types Scale	One Year	Punjab University	1,50,000/-
3	Dr. Saima Ghazal Assistant Professor	Growing Issue of Late Marriages in Pakistan: Predictors and Solutions	One Year	Punjab University	1,50,000/-
4	Dr. Mujeeba Ashraf Assistant Professor	Equipment to Establish Social Lab in the Institution	One Year	Punjab University	1,50,000/-
5	Ms. Afifa Anjum Lecturer	Identification and Measurement of Signature Strengths in Youth and Training Program	One Year	Punjab University	1,25,000/-
6	Mr. Faiz Younas Lecturer	Development and Validation of Indigenous Organizational Conflict Management Scale	One Year	Punjab University	1,25,000/-

○ **Conferences, Seminars and Workshops, etc.** (Sponsors, oral Presentation + Post Presentation)

Prof. Dr. Farah Malik

- Organized International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore sponsored by Higher Education Commission, Punjab Higher Education Commission and Pakistan Psychological Association (PPA).



- Research Paper entitled “Mediating Role of Social Competence between parental-Peer Rejection and Psychological Adjustment of Adolescents” presented International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Childhood Abuse and Psychopathic Tendencies in Juveniles Delinquents: Mediating Role of Interpersonal Difficulties” presented International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Marital Quality, early Childhood Abuse and Emotional Dysregulation in Married Women with Functional Neurological Symptom Disorder” presented International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Traumatic Life Events, Social Support and Mental Health of Under Trial Women Prisoners” presented International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Reinforcement of the Honor Killing” presented International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Construction and Validation of Cyber Harassment Experience Scale (CHES)” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Personality Traits, Anxiety, Academic Performance of Cyber Bullying Experiences in Youth” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Sleep Pattern, Sleep Disturbance and Psychological Health in Children” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Dispositional Optimism, Self-Determination and well-being in Job Seekers Young Adults” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).



- Research Paper entitled “Parental Rejection Sensitivity and Psychological Maladjustment among Married Men and Women: Moderating role of Perceived Social Support” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Research Paper entitled “Perceived Stigmatization, Motivational Climate and Sports Perfectionism among Female University Athletes” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Research Paper entitled “Personality Traits, Quality of Friendship and Social Adjustment among Undergraduate University Students” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Research Paper entitled “Personality Traits and Shyness in Natural Right Handers, Natural Left Handers and Forced Right Handers (PSSNRHNLHFRH)” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Research Paper entitled “Criminal Thinking, Moral Disengagement and Psychological Wellbeing in Prisoners” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Research Paper entitled “Development of Perceived Stigmatization in Sports Scale for Female Athletes (PSSSFA)” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Chair a Scientific Session of International Conference on Islamic Perspectives in Modern Psychology (IPMP 2019) on 26th September, 2019 organized by Riphah Institute of Clinical & Professional Psychology (RICPP), Riphah International University, Lahore.

Dr. Iram Fatima, Associate Professor

- Research Paper entitled “The Relationship between Self-forgiveness, Regulation and Academic Procrastination in University Students” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Attended International Conference Psychology for Sustainable Community: Challenges and Trends (NCPSP), 2019, held on March 19, 2019, Department of Psychology, University of Sargodha.



- Attended National Conference on Gender Studies, Sustainable Development Goals: Achievement and Future in Gender Perspective held on 2nd May, 2019 in University of the Punjab, Lahore.
- Attended International Conference on Islamic Perspectives in Modern Psychology (IPMP 2019) held on 24th -26th September, 2019 organized by Riphah Institute of Clinical & Professional Psychology (RICPP), Riphah International University, Lahore.

Dr. Mujeeba Ashraf, Assistant Professor

- Organized Online Workshop entitled “Mindfulness” Barbara Dritschel, UK, January 3, 2019.
- Organizing Secretary International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore.
- Research Paper entitled “Impulsivity and Risk Taking In Convicts” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (Oral Presentation).
- Research Paper entitled “Like and Comments on Facebook and Subjective Wellbeing” presented in International Conference of Applied Psychology: Practices & Interventions from 06-08 February 2019 at the Institute of Applied Psychology, University of the Punjab, Lahore (E Poster Presentation).
- Pre-Conference Workshop Conducted entitled “Grounded Theory Approach”, 3-Day International Conference on Gender, Religion and Culture in Psychology: Issues, Challenges and Prospects 17-19th December 2018, GCU, Lahore.
- Conducted Seminar entitled “Body Image and Mental Health in Adults” on Mental Health Day (2018) at FC College, Lahore on 19th October 2018.
- Conducted Workshop entitled “Dynamics of Clinical Psychology” at University of Lahore (UOL), Lahore on 7th September, 2019

Mr. Faiz Younas, Lecturer

- Participated in Workshop on Managing Workplace Challenges and Issues of Harassment by Human Resource Development Centre (HRDC) at Institute of Administrative Sciences, University of the Punjab, Lahore, 16th February, 2019.
- Paper presented entitled ‘Religious Involvement and Social Adjustment in Adolescents’ at International Conference on Islamic Perspective in Modern Psychology (IPMP) at Riphah Institute of Clinical & Professional Psychology, Riphah International University, Lahore 24th-26th September, 2019 (Oral Presentation).
- Paper presented entitled ‘Relationship Strengths and values in Same and Cross-Sex Friendships in Young Adults’ at National Conference on Gender Studies (NCGS) Sustainable Development Goals: Achievement and Future in Gender Perspective at



Department of Gender Studies, University of the Punjab, Lahore, 2nd May, 2019(Oral Presentation).

- Paper presented entitled, 'Self-Consciousness and Psychological Reactance in Adolescents' at International Conference on Recent Trends and Interventions in Clinical Psychology (RTICP) at Centre for Clinical Psychology, University of the Punjab, Lahore, 20th-22nd March, 2019(Oral Presentation).
- Paper presented entitled 'Concept of Masculinity in Men and Their Attitudes Towards Women' at 1st National Conference on Psychology For Sustainable Community Challenges and Trends (NCPSC), at Department of Psychology, University of Sargodha, Sargodha, 19th-20th March, 2019(Oral Presentation).
- Paper presented entitled, 'Self-Doubt, Communication Competence and Coping Styles in Adolescents' at International Conference of Applied Psychology (ICAP): Practices and Interventions at Institute of Applied Psychology, University of the Punjab, Lahore, 6th-8thFebruary, 2019 (Oral Presentation).
- Paper presented entitled, 'Fertility Related Concerns and Marital Adjustments in Women with Infertility Issues' at International Conference of Applied Psychology (ICAP): Practices and Interventions at Institute of Applied Psychology, University of the Punjab, Lahore, 6th-8th February, 2019 (Oral Presentation).
- Paper presented entitled, 'Organizational Cynicism, Job Commitment and Turnover Intentions in Employees' at International Conference of Applied Psychology (ICAP): Practices and Interventions at Institute of Applied Psychology, University of the Punjab, Lahore, 6th-8th February, 2019 (Oral Presentation).
- Paper presented entitled, 'Sex Worker and Personality Pathologies' at International Conference on Gender, Religion and Culture in Psychology: Issues and Challenges at Department of Psychology, GC University, Lahore, 17th-19th December, 2018 (Poster Presentation).
- Paper presented entitled, 'Fertility Related Concerns and Marital Adjustments in Women with Reproductive Health Problems' at International Conference on Gender, Religion and Culture in Psychology: Issues and Challenges at Department of Psychology, GC University, Lahore, 17th-19th December, 2018 (Poster Presentation).
- Paper presented entitled, 'Personality Traits, Perceived Glass Ceiling and Subjective Career Success in Women Working in Business Organizations' at International Conference on Gender, Religion and Culture in Psychology: Issues and Challenges at Department of Psychology, GC University, Lahore, 17th-19th December, 2018 (Poster Presentation).
- Poster presented entitled, 'Time Perspective as a Predictor of Internet Addiction in University Students' at International Conference of Applied Psychology (ICAP): Practices and Interventions at Institute of Applied Psychology, University of the Punjab, Lahore, 6th-8th February, 2019 (Poster Presentation).



- Poster presented entitled, 'Emotional Dysregulation, Moral Character and Attitude Towards Violence in Young Adults' at International Conference of Applied Psychology (ICAP): Practices and Interventions at Institute of Applied Psychology, University of the Punjab, Lahore, 6th-8th February, 2019 (Poster Presentation).
- Poster presented entitled 'Impact of Emotional Regulation and Fear of Self-Disclosure in Married Individuals' at 7th International Conference on Positive Psychology: Developing a Flourishing Community at National Institute of Psychology, Quaid-e-Azam University, Islamabad, 29th-30th November, 2018 (Poster Presentation).

○ **Research Journals Publications**

Prof. Dr. Farah Malik

- Bullying Defined in Pakistani School Context: An Urdu Translation of Olweus Bully Victim Questionnaire, Journal of Behavioural Sciences, Vol. 28 (2), 2018 (X-Category).
- Maternal stress and behavioral-emotional problems in children with Dyslexia, Journal of Pakistan Psychiatric Society, Vol. 15(3), 2018 (X-Category).
- Psychological Distress, Affiliate Stigma and Burnout in Caregivers of Patients with Schizophrenia, International Journal of Social Sciences & Educational Studies, Vol. 5 (2) 2018 (Y-Category)
- Development and Validation of Stressful Life Events Scale for Children in Pakistan, Pakistan Journal of Psychological Research, Vol.33 (1), 2018(X-Category).
- Resilience, self-compassion, mindfulness and emotional well-being of doctors, Indian Journal of Positive Psychology, Vol. 9 (1), 2018 Impact Factor=3.225.
- Reinforcement of Honour Killings of Women in the Socio-Cultural Context in Punjab, A Research Journal of South Asian Studies, Vol. 34 (1), 2019(X-Category).
- Sadistic Impulsiveness and Violent Behaviour in Prisoners of Lahore, Pakistan Journal of Criminology, Vol. 11 (1), 2019 (X-Category).

○ **Research Journals (Journal of Behavioural Sciences (JBS))**

The Institute publishes its official journal "Journal of Behavioural Sciences (JBS)" on biannual basis since 1990. JBS has blind peer review policy and is an internationally recognized journal which includes empirical studies, review articles and case studies on a wide range of topics. Higher Education Commission (HEC) of Pakistan has placed JBS in 'X' category. It has been indexed and cited in different well-known data bases like Ebscohost, Pro Quest, Asia net and Universal Digital Library (UDL), a Malaysian based on-line library. Recently, PsycInfo (APA) has accepted JBS for abstracting and indexing while correspondence with ISI (Thomas Reuters) is in process for indexing, abstracting and impact factor which speaks volume for the professional and research based caliber of the journal. Moreover, publishing of "Psychological Abstracts" is another distinguished feature of Institute. It includes abstracts of research work carried out by students and faculty members of the Institute. Four volumes of "Psychological Abstracts" have been published so far and we aim to make it a regular feature to publish Institutional Research in order to benefit researchers at home and abroad. Additional information on Institutional publication is available on the University webpage. <http://pu.edu.pk/home/journal/24>



RESEARCH COLLABORATION

○ Indigenous

- PHEC Research Grant for Indigenous Post-Doctoral Fellowship Program (IPDFP) awarded to Dr. Rafia Rafique, Associate Professor (Principal Investigator) Institute of Applied Psychology, University of the Punjab, Lahore (continued).

○ 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 recombinant production of interleukins, Interferon, colony stimulating factors etc. in bacterial and yeast-based expression systems for applications and analysis; implementing cell free/circulating nucleic acids (including DNA, RNA, microRNA) and proteins in diagnosis and prognosis of different pathological states; investigation of endocytic role of human small GTPase Rab28. Rabs are versatile regulators that participate directly or indirectly in nearly all steps of membrane transport and very little is known about human Rab28; purification and applications of industrially important enzymes; production of monoclonal antibodies, peptide hormones, interferon's and cytokines, nanotechnology-based detection of allergens in local environment; linkage studies of autosomal recessive primary microcephaly in Pakistani kindred; characterization of BCR-ABL in CML patients; analysis of mutations in DMT3A gene in AML patients. During this year, the Institute had several publications to its credit. Many research papers were published in peer reviewed international impact factor journals. A highly competitive research grant was also awarded to one of the faculty member.

○ Projects: completed

Eight faculty members received research grants from University of the Punjab, to strengthen the research activities of the Institute.

○ Publications

Iram Gull, Asma Noreen, Muhammad Shahbaz Aslam and Muhammad Amin Athar	Effect of gelling matrix composition, storage conditions and capsule breakage on germination of <i>Rosa indica</i> synthetic seeds.	Journal of Animal and Plant Sciences. 29 (1): 109-116. 2019,
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Abid Hussain, Farida Ahmed, Shyamali C. Dharmage, Shafiqur Rehman, Muhammad Shahbaz Aslam, and Zaigham Abbas.	Aero and Food Allergens Sensitization Patterns in a Clinic-Based Sample in Pakistan: A One Year Retrospective Study.	Pakistan J. Zool., vol. 51(4), pp 1429-1437, 2019.
K. Zahra ¹ , S. Rehman ¹ , N. Javed ¹ , M. S. Aslam and Z. Abbas.	Extract preparation of major food allergens of Pakistan and their protein profiling, 98.	Journal of Animal & Plant Sciences, 29(1): 2019, 91-
Iram Gull, Muhammad Shahbaz Aslam and Muhammad Amin Athar.	Reliable scarless fusion of genes through overlap extension PCR to develop chimeric genes.	Pakistan Journal of Zoology. 51(4), 1561-1567. 2019.

○ **Conferences/ Seminars/ Workshops etc.**

International Conference “Recent Innovations in Molecular Sciences” November 06-08, 2019

RESEARCH COLLABORATION

○ **Indigenous**

- Centre of Excellence in Molecular Biology (*CEMB*)
- PCSIR laboratories Lahore
- Inmol Hospital Lahore
- HEJ Research Institute of Chemistry,
- University of Karachi
- University of the Punjab, *Lahore*,
- Sheikh Zayed Hospital Lahore
- Shoukat Khanum Hospital Lahore
- Forensic Laboratory Lahore

SCHOOL OF BIOLOGICAL SCIENCES

○ **Research & Development**

The School of Biological Sciences, now in the 17th 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**

Sr	Name of Researcher/ Sponsoring Agency	Title of research project with duration	Financial support	Main goals
1	Prof. Dr. Naeem Rashid: Higher Education Commission	Discovering missing phosphofructokinase in hyperthermophilic archaeon <i>Pyrobaculum calidfontis</i>	Rs.6.824 million	Completed
2	Prof. Dr. A. R. Shakoori: Pakistan Academy of Sciences	Osteogenic potential of local herb, <i>Cissus quadrangularis</i> : Development of potential drug for osteoporosis 2016-20	RS.2.499 million	Ongoing
3	Prof. Dr. M. Waheed Akhtar Higher Education Commission	Engineering enzymes for plant biomass saccharification 2014-2018	RS.8.395 million	Ongoing
4	Prof. Dr. M. Waheed Akhtar: Pakistan Academy of Sciences	Designing fusion antigens for diagnostic and prophylactic applications in tuberculosis 2018-2020	RS.2.48 million	Ongoing
5	Prof. Dr. M. Waheed Akhtar Higher Education Commission	Study of protein biomarkers for early detection of pathological states 2007 - ongoing	Rs. 31.642 million	Ongoing
6	Dr. Sadaf Naz Higher Education Commission	Genetic analysis of disease causing genes for glaucoma in Pakistani population. 2015-18	Rs. 3.1652million	Ongoing
7	Dr. Sadaf Naz Higher Education Commission	Genetics of recessively inherited stable or progressive hearing loss in Pakistan. 2016-19	Rs. 3.5926 million	Ongoing
8	Dr. Sadaf Naz Higher Education Commission	Genetic studies of neurological movement disorders and related syndromes 2015-18	RS. 3.1 million	Ongoing
9	Dr. Sadaf Naz University of the Punjab	Identification of genes for skeletal dysplasia syndromes in families from Pakistan. 2017-2018	Rs. 200, 000/=	Ongoing



10	Dr. Sadaf Naz Deutsche Forschungsgemeinschaft, Germany, LO 1555/8-1,	Molecular characterization of complex movement disorders with predominant dystonic features in consanguineous families. 2015-2018	€152,240.	Ongoing
11	Dr. Sadaf Naz University of Minnesota, USA (Principal Investigator)	Molecular characterization of Psychotic disorders in Pakistan. 2016-2017	psych \$4100	Ongoing
12	Dr. QA Gardner NRPU HEC, Pakistan	Studies on serum amyloid-P component in relation to its binding with physiologically important fibril-forming proteins 2019-2022	Rs. 2,543,374	Ongoing
13	Dr. QA Gardner University of the Punjab	Rapid refolding of recombinant human insulin derivatives and their structural elucidation by proteomics. 2017-2018	Rs. 0.15 million	Completed
14	Dr. Uzma Qaisar Higher Education Commission	Controlling the virulence of pathogenic bacteria by local medicinal plants. 2017-2020	RS. 1.93 million	Ongoing
15	Dr. Uzma Qaisar Higher Education Commission	Testing the potential of wrinkled Transcription factor in fiber quality improvement of cotton. 2018-2021	RS. 2.45 million	Ongoing
16	Dr. Uzma Qaisar Higher Education Commission	Identification of Molecular Factors Required for Regeneration of Cotton 2017-2020	RS. 3.45 million	Ongoing
17	Dr. Naveed Shahzad Higher Education Commission	Investigation of therapeutic potential of indigenous Euphorbiaceous plants against breast cancer by targeting CXCL1 & 2 chemokines 2017-2020	RS. 3.995 million	Ongoing
18	Dr. Naveed Shahzad Punjab University Grant	Phylogenetic analysis of Merkel cell polyomavirus and investigation of its co-infection in HBV/HCV positive patients of Pakistan. 2017-2018	RS. 0.150 million	Completed



19	Dr. Naveed Shahzad NRPU HEC, Pakistan	Mining of novel epigenetically regulated tumor suppressor genes to be used as biomarkers for early breast cancer diagnosis. 2018-2021	RS. 5.00 million	Ongoing
20	Dr. Naveed Shahzad Forman Christian College University Lahore(Co-PI)	Expression profiling of PALB2 in Pakistani Breast Cancer patients. 2019	RS. 0.20 million	Ongoing
21	Dr. Nasir Ahmad Higher Education Commission	Process scale up and optimization for synthesis of thermostable industrial enzymes (TDF02-069). 2018-2020	Rs. 14.0 Million	Ongoing
22	Dr. Nasir Ahmad University of the Punjab, Lahore	Enzymatic Synthesis of High Protein Flour From Damaged Rice. (2017-2018)	Rs. 0.15 Million	Completed
23	Dr. Nasir Ahmad Higher Education Commission	Optimization of simultaneous liquefaction and saccharification: a novel process developed by using newly discovered thermoacidophilic pullulanase (8527/Punjab/NRPU/R&D/HEC/2017).	Rs. 7.379 Million	Ongoing
24	Dr. Saima Iftikhar Higher Education Commission	Characterization of immunogenic regions of dengue virus for potential vaccine. 2018-2021	RS. 6.179 million	Ongoing
25	Dr. Muhammad Sajjad The University of Lahore, Pakistan (Co-PI)	Cloning and expression of the lipolytic bacterial gene in E. coli BL21 for the production of lipase enzyme	RS. 0.36 million	Ongoing
26	Dr. Muhammad Sajjad The University of Lahore, Pakistan (Co-PI)	Recombinant production and characterization of thermophilic beta-glucosidase (cellulase) in bulk by using bioreactor	RS. 0.4 million	Ongoing
27	Dr. Muhammad Sajjad The University of Lahore, Pakistan (Co-PI)	Recombinant production and characterization of keratinase in bulk to use in tanneries	RS. 0.34 million	Ongoing



28	Dr. Salma Mukhtar Higher Education Commission	Characterization of laccase from halophilic archaeal strains isolated from halophytes (<i>Salsolastocksii</i> and <i>Atriplexamnicola</i>) 2019	Rs. 0.50 Million	Ongoing
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○ **Publications:** Books/Edited

- Muhammad Arif, Qamar Bashir, Masood Ahmad Siddiqui and Naeem Rashid* (2019) Molecular characterization of a highly efficient and thermostable phosphoribosyl anthranilate isomerase from *Geobacillusthermopakistaniensis*. Protein Expr Purif. (in press).
- Muhammad Sulaiman Saeed and Naeem Rashid* (2019) Characterization of TK1646, a highly thermostable 3'–5' single strand specific exonuclease from *Thermococcus kodakarensis*. Int J Biol Macromol. 140:1194-1201 <https://doi.org/10.1016/j.ijbiomac.2019.08.150>
 - AbeeraShaeer, Mehwish Aslam and Naeem Rashid* (2019) A highly stable manganese-catalase from *Geobacillusthermopakistaniensis*: molecular cloning and characterization. Extremophiles. <https://doi.org/10.1007/s00792-019-01124-5>
 - Hira Muzammal, Qurat ul Ain, Muhammad Sulaiman Saeed and Naeem Rashid* (2019) Gene cloning and characterization of Tk1281, a flap endonuclease 1 from *Thermococcus kodakarensis*. Folia Microbiologica <https://doi.org/10.1007/s12223-019-00745-9>.
 - Naseema Azim, QurratulannAfza Gardner, Naeem Rashid, Muhammad Akhtar (2019) Mechanistic studies on *Pyrobaculumcalidifontis* porphobilinogen synthase (5-aminolevulinic acid dehydratase). Bioorg. Chem. 91:103117. <https://doi.org/10.1016/j.bioorg.2019.103117>.
 - Nisar Ahmed Shakir, Tahira Bibi, Mehwish Aslam and Naeem Rashid* (2019) Biochemical characterization of a highly active ADP-dependent phosphofructokinase from *Thermococcus kodakarensis*. J. Biosci. Bioeng. <https://doi.org/10.1016/j.jbiosc.2019.06.014>
 - Naeem Rashid* and Mehwish Aslam (2019) An overview of twenty-five years of research on *Thermococcus kodakarensis*, a genetically versatile model organism for archaeal research. Folia Microbiologica. <https://doi.org/10.1007/s12223-019-00730-2>
 - IqraAroob, Nasir Ahmad, Mehwish Aslam, AbeeraShaeer, Naeem Rashid* (2019) A highly active α -cyclodextrin preferring cyclomaltodextrinase from *Geobacillusthermopakistaniensis*. Carbohydr Res. 481:1–8. doi: 10.1016/j.carres.2019.06.004
 - SohaibWaraich, Nasir Ahmad, Usman Hameed, Saleem Haider & Naeem Rashid (2019) Molecular identification and characterization of lactic acid producing bacterial strains isolated from raw and traditionally processed foods of Punjab, Pakistan. Pak. J. Zoo. 51: 1145–1153. DOI: <http://dx.doi.org/10.17582/journal.pjz/2019.51.3.1145.1153>



- Anam Tariq, Alina Gul, Majida A. Muhammad, Naeem Rashid* & Masood A Siddiqui (2019) Recombinant Tk0522, a carbohydrate esterase homologue from *Thermococcus kodakarensis*, does not require a signal sequence for translocation to periplasmic space in *Escherichia coli*. *Biologia* 74:899–904 <https://doi.org/10.2478/s11756-019-00243-w>
- Naveed Shahzad, Iqra Hussain, Usman Shah Gilani, Asima Tayyeb, Muhammad Amir Aslam, Muhammad Khurshid, Umair Hassan, Fareeda Tasneem, Muhammad Umer & Naeem Rashid (2019) Merkel cell polyomavirus DNA sequences in the blood of healthy population of Pakistan. *Future Microbiology* <https://doi.org/10.2217/fmb-2018-0314>
- Mehwish Akram and Naeem Rashid (2019) Inwardly rectifying potassium channels in *Drosophila* regulate the sleep/wake behaviour through PDF-neurons. *Pak. J. Zoo.* 51: 709-715
- Shahid Mahmood Chohan, Naeem Rashid*, Muhammad Sajed and Tadayuki Imanaka (2019) Pcal_0970, an extremely thermostable L-asparaginase from *Pyrobaculum calidifontis* with no detectable glutaminase activity. *Folia Microbiologica* 64: 313-320. <https://doi.org/10.1007/s12223-018-0656-6>.
- Muhammad Arif, Naeem Rashid*, Sumera Perveen, Qamar Bashir and Muhammad Akhtar (2019) Extremely stable indole-3-glycerol-phosphate synthase from hyperthermophilic archaeon *Pyrococcus furiosus*. *Extremophiles* 23: 69-77. <https://doi.org/10.1007/s00792-018-1061-4>.
- Saadia Basheer, Naeem Rashid*, Muhammad Sohail Akram, and Muhammad Akhtar (2019) A highly stable laccase from *Bacillus subtilis* strain R5: Gene cloning and characterization. *Biosci. Biotech. Biochem.* 83(3):436-445 <https://doi.org/10.1080/09168451.2018.1530097>
- Gilani US, Memoona, Rasheed A, Shahid M, Tasneem F, Arshad MI, Rashid N, Shahzad N (2019) The implication of CRISPR/Cas9 genome editing technology in combating human oncoviruses. *J. Med. Virol.* 91:1-13. doi: 10.1002/jmv.25292.
- Anjum Shehzad, Nasir Ahmad, Zaheer Hussain, Muhammad S. Haider and Naeem Rashid* (2018) Valorization of waste foods using pullulan hydrolase from *Thermococcus kodakarensis*. *Amylase* 2:39-43
- Iram Aziz, Tahira Bibi, Naeem Rashid*, Riku Aono, Haruyuki Atomi* and Muhammad Akhtar (2018) A phosphofructokinase homolog from *Pyrobaculum calidifontis* displays kinase activity towards pyrimidine nucleosides and ribose 1-phosphate. *J. Bacteriol.* 200: e00284-18. (Manuscript selected for Spotlight in *J. Bacteriol.*)
- Habib-ur-Rehman, Masood Ahmed Siddiqui*, Abdul Qayyum, Arifa Bano and Naeem Rashid (2018) Gene expression in *Escherichia coli* and purification of recombinant type II pullulanase from a hyperthermophilic archaeon *Pyrobaculum calidifontis*. *Pak. J. Zoo.* 50: 1381-1386. DOI: <http://dx.doi.org/10.17582/journal.pjz/2018.50.4.1381.1386>
- Sabah Mansoor, Muhammad Tayyab*, Amna Jawad, Bushra Munir, Sehrish Firyal, Ali Raza Awan, Naeem Rashid and Muhammad Wasim (2018) Refolding of misfolded inclusion bodies of recombinant α -amylase: characterization of cobalt activated thermostable α -amylase from *Geobacillus* SBS-4S. *Pak. J. Zoo.* 50:1147-1155.



- Shahid Mahmood Chohan and Naeem Rashid* (2018) Gene cloning and characterization of recombinant L-Asparaginase from *Bacillus subtilis* strain R5. *Biologia* 73:537–543. <https://doi.org/10.2478/s11756-018-0054-1>
- J. Guo, A. R. Coker, S. P. Wood, J. B. Cooper*, R. M. Keegan, N. Ahmad, M. A. Muhammad, N. Rashid and M. Akhtar (2018) Structure and function of the type III pullulan hydrolase from *Thermococcus kodakarensis*. *Acta Cryst. D74*: 305-314.
- Tahira Bibi, Musadiq Ali, Naeem Rashid*, Majida Atta Muhammad and Muhammad Akhtar (2018) Enhancement of gene expression in *Escherichia coli* and characterization of highly stable ATP-dependent glucokinase from *Pyrobaculumcalidifontis*. *Extremophiles* 22:247-257. <https://doi.org/10.1007/s00792-017-0993-4>
- Fatima Ahsan, QuratulannAfza Gardner, Naeem Rashid, Greg J. Towers, Muhammad Akhtar* (2018) Preventing the N-terminal processing of human interferon α -2b and its chimeric derivatives expressed in *Escherichia coli*. *Bioorganic Chemistry* 76:294-302. doi: 10.1016/j.bioorg.2017.11.016
- Iram Aziz, Naeem Rashid*, Raza Ashraf, Masood Ahmed Siddiqui, Tadayuki Imanaka and Muhammad Akhtar (2018) Pcal_0632, a phosphorylating glyceraldehyde-3-phosphate dehydrogenase from *Pyrobaculumcalidifontis*. *Extremophiles* 22: 121-129. <https://doi.org/10.1007/s00792-017-0982-7>
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- ZAHID, M.T., SHAKOORI, F.R., ZULFIQAR, S., AL-GHANIM, K.A. AND SHAKOORI, A. R., 2018. Growth characteristics, metal uptake and expression analysis of copper metallothionein in a newly reported ciliate, *Tetrahymena farahensis*. *Pakistan J. Zool.*, 50: 1171-1181.
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- Farheen Aslam, kinza Latif, Waseem R, ShaghufthaNaz and Saima Iftikhar.Recombinant Human Proinsulin Expression in *E.Coli* by Altering 5' Untranslated and Translated Region (2019). Published in *Gene Technology*



- Farheen Aslam, Hooria Younas, Saima Iftikhar Genomic sequencing and Recombinant Expression of Proinsulin isolated from Cow and Buffalo in Pakistan (2019). Published in African Journal of Biotechnology
- **Conferences, Seminars and Workshops, etc.** (Sponsors, oral Presentation + Poster Presentation)
 - National Workshop on Recombinant Protein Production & Purification (6th–11th November, 2018)
 - National Workshop on Recombinant DNA Technology (April 2-7, 2019)

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Research & Development**

Since its inception, CAMB is engaged to carry out the goal oriented research in the diversified fields of Molecular Biology related to economic needs of the country for agriculture, health & medicine. CAMB, as a renowned scientific research entity of the University of the Punjab, encourages the osmosis of research from Lab into different sectors of the society. It strives to provide a suitable environment and encourages researchers to work on collaborative research projects to advance knowledge, to propose solutions on some of the major issues of today and to develop new technologies for the future. During 2018-19, the major research work was carried in the following domains.

- Developed a Prote-onco group under CRC, working on therapeutic proteins patent against cancer/tumor along with potential therapeutic proteins and peptides against viruses, bacteria, fungi and tumor from indigenous sources.
- Identification of genetic variations associated/linked to various diseases in Pakistani population.
- Studies related to genomics of asthma.

In addition to the goal oriented research and development, CAMB is also serving the community through rendering its following analytical testing services

- a) DNA sequencing & Genotyping:
- b) Forensic DNA analysis for Crime Investigation:
- c) PCR based Molecular diagnosis of most prevalent infectious diseases:
- d) Quality testing services to Govt. and Non Govt. organization.

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
PU-Projects
- **Projects:** Newly launched

One NRPU project won and under process and others are in a process of approval and funding.



- **Conferences, Seminars and Workshops, etc.** (Sponsors, oral Presentation + Poster Presentation)
 Attended one International Conference University of the Punjab 2019 on Recent Innovations in Molecular Sciences from 6th to 8th November, 2019.
 - Presented Poster entitled “Inheritance Pattern of Rs2280089, Rs2280090, Rs2280091 SNP Variants in Punjabi Population and Association with Asthma Disease” in April, 2019 International Conference on under the CHEST organization in Thailand.
 - Presented Poster entitled “rs153109 as Possible Indicator of Effectiveness of Vitamin D Supplements for Suppressing Copd Symptoms” in April, 2019 International Conference on under the CHEST organization in Thailand.
 - Presented a paper entitled “Study on Vitamin D Receptor Gene Polymorphisim and Risk of Asthma in Punjabi Population of Pakistan” in 2nd International Conference on "New Trends in Natural Sciences and Public Health, Food, Nutrition & Safety" Lahore College for Women University, Lahore October 24-26, 2018.
- **Research Journals**

Sr. No.	Name of Author	Title of Paper/Article	Name of Journal	Year	Impact Factor
1.	Wahid, B., Wasim, M., Saleem, K., Waqar, M., Wahid, K., Hussain, M., & Idrees, M	Poor glycemic control and abrupt onset of diabetes in HCV patients receiving direct-acting antiviral drugs: case series	Future Virology 13(08), 525-528	2018	0.98
2.	Sana Usman, Zara Naz, Komal Saleem, Hamid Bashir*, Muhammad Bilal & Aleena Sumrin	The countermeasure for Zika virus: a hard nut to be cracked. Future Virology. (Epub ahead of print) 10.2217/fvl-2018-0018. Future Science Group	Future Medicine	2018	0.730
3.	SumrinAleena, Shumaila Moazzam, Aleena Ahmad Khan, Irsa Ramzan, Zunaira Batool, Sana Kaleem, Moazzam Ali, Hamid Bashir, and Muhammad Bilal.	xosomes as Biomarker of Cancer	Braz. Arch. Biol. Technol 61	2018	0.74
4.	Ramzan, I., Chaudhry, A., Bashir, H., Bilal, M. and Sumrin, A.	Comparative study of alpha amylase producing mutated and unmutated Ba-cillus strains by taking cost effective measures	Pure and Applied Biology (PAB)	2019	
5.	Manzoor, S., Younis, S., Hussain, M., Ehsan, F., Sheikh, N., & Abbasi, M. H	Efficacy of direct-acting anti-viral therapy on chronic, naïve hepatitis c virus patients of punjab, pakistan: a cross-sectional study	Journal of biological regulators and homeostatic agents, 33(1): 105-108	2019	1.4
6.	Anwar, I., Hussain, S., Rehman, A. U., & Hussain, M.	Genetic variation among the major Pakistani populations based on 15 autosomal STR markers	International journal of legal medicine, 133(4), 1037-1038	2019	2.6



7.	Shahzad, M., Hussain, M., Shafique, M., Perveen, R., & Sheikh, N	Population genetic data of 30 insertion-deletion markers in Punjabi population of Pakistan	International journal of legal medicine, 1-2	2019	2.6
8.	Hussain, M., Chaudhry, A., & Bashir, H.	Enhance production of alkaline protease by chemical mutagenesis of <i>Bacillus</i> species	Bio Cell, 43(5-1), 312-322	2019	0.1
9.	Nosheen Mushtaq, Safdar Hussain and XuJiru.	Molecular Characterization of Gut Microbiota in Obese and Lean Hypertensive Patients	Journal of bacteriology & parasitology	Oct. 15, 2018	0.37
10.	Nosheen Mushtaq, Safdar Hussain, Yuan Lu, Zhang Siruo, Li Huan, Shakir Ullah, XuJiru.	Gender Based Compositional Fluctuations in Gut Microbiota in Hypertension.	Cardiovascular Pharmacology: Open Access	Oct. 30, 2018	1.77
11.	Safdar Hussain, Mengyao Sun, Zixin Min, YuanxuGuo, Nosheen Mushtaq, Huang Huang, Nazim Hussain, PengXu, Jian Sun and Shemin Lu	Down-regulated in OA cartilage, SFMBT2 contributes to NF- κ B mediated ECM degradation	Journal of Cellular and Molecular Medicine	Nov. 22, 2018	4.658
12.	Safdar Hussain, Mengyao Sun, Yuanxu Guo, Nosheen Mushtaq, NazimHussain, Ezra Osoro, Abubakar Suleiman, Jian Sun And Shemin Lu	SFMBT2 positively regulates SOX9 and Chondrocytes proliferation	International Journal of Molecular Medicine	Dec. 01, 2018	2.928
13.	Zixin Min, YuanxuGuo, Mengyao Sun, Safdar Hussain, Yitong Zhao, Huang Huang, PengXu, Nannan Zhong, Jian Sun and Shemin Lu	Selenium-sensitive <i>miRNA-181a-5p</i> targeting <i>SECISBP2</i> regulates selenoproteins expression in cartilage	Journal of Cellular and Molecular Medicine	Dec. 01, 2018	4.658
14.	Jian Sun, Zixin Min, Wenxiang Zhao, Safdar Hussain, Yitong Zhao, YuanxuGuo, Mengyao Sun, NannanZhong, PengXu and Shemin Lu	T-2 toxin induces epiphyseal plate lesions via decreased SECISBP2-mediated selenoprotein expression in DA rats, exacerbated by selenium deficiency	Cartilage	Dec. 29, 2018	2.961
15.	Mengyao Sun, Safdar Hussain, Yuxiao Hu, Jidong Yan, ZixinMinz, YuanxuGuo, Yitong Zhao, LiesuMeng, Jian Sun and Shemin Lu	Maintenance of SOX9 stability and ECM homeostasis by selenium-sensitive PRMT5 in cartilage	Osteoarthritis and cartilage	June 01, 2019	4.879
16.	Nosheen Mushtaq, Safdar Hussain, Zhang Siruo, Yuan Lu, Li Huan, ShakirUllah, Wang Yan and XuJiru	Molecular characterization of alterations in the intestinal microbiota of patients with grade 3 hypertension.	International journal of molecular medicine	Aug.01, 2019	2.928



17.	Qamar, Z., Tariq, M., Rehman, T., Iqbal, M. S., Sarwar, M. B., Sharif, M. N., & Saleem, M.Z.,...	Trackable CEMB-Klean Cotton Transgenic Technology: Affordable Climate Neutral Agri-biotech Industrialization for Develop	Advancements in Life Sciences	2019	
18.	Jahangir, G. Z., Naz, S., Khan, M. I., & Saleem, M. Z.	Rapid RNA Extraction from Eucalyptus tree and its down processing for cloning of dehydrin genes	Advancements in Life Sciences	2018	
19.	Akram, A.M., Akhtar, T., Chaudhary, A., Shahzad, M.M., Khalid, A.M., Sajid, N., Sabar, M.F. and Iqbal, Z.	BCR-ABL Kinase Domain Mutations Exist in Few Imatinib Treated Chronic Myeloid Leukemia (CML) Patients Exhibiting Stable Cytogenetic and Hematologic Responses	Blood	2018	15.132
20.	Akram, A. M., Kausar, H., Chaudhary, A., Khalid, A. M., Shahzad, M., Akhtar, M. W., Sabar, M. F., Sajid, N., Al Anazi, N., Aleem, A., Iqbal, Z.	Detection of Exon 12 and 14 Mutations in Janus Kinase 2 Gene Including a Novel Mutant in V617F Negative Polycythemia Vera Patients from Pakistan	Journal of Cancer	2018	3.249
21.	Muhammad Farooq Sabar, Muhammad Akram, Farheena Iqbal Awan, Muhammad Usman Ghani, Mariam Shahid, Zafar Iqbal, SamraKousar, Muhammad Idrees	Awareness of Asthma Genetics in Pakistan: A Review with Some Recommendations	Adv. life sci	2018	0
22.	Ghani, M.U., Sabar, M.F., Bano, I., Shahid, M., Akram, M., Khalid, I., Maryam, A. and Khan, M.U.	Evaluation of ADAM33 gene's single nucleotide polymorphism variants against asthma and the unique pattern of inheritance in Northern and Central Punjab, Pakistan	Saudi medical journal	2019	1.055
23.	Shahid, M., Tayyab, U., Kousar, S., Ghani, M.U., Sabar, M.F.	rs153109 as Possible Indicator of Effectiveness of Vitamin D Supplements for Suppressing Copd Symptoms	Chest	2019	9.657
24.	Ghani, M.U., Sabar, M.F., Bano, I., Shahid, M., Akram, M	Inheritance Pattern of rs2280089, rs2280090, rs2280091 SNP Variants in Punjabi Population and Association with Asthma Disease	Chest	2019	9.657



25.	Rukhsana Perveen, Ahmad Ali Shahid, Muhammad Shafique, Muhammad Shehzad, Muhammad Akram	Kashmiris phylogenetic depictions through uniparental and biparental genetic markers	International Journal of Legal Medicine	2019	2.094
26.	Aftab M, Amin I, Idrees M, Ali A, Rafique S, Naz S	Molecular Epidemiology of Hepatitis Delta and Hepatitis B Viruses Circulating In Two Major Provinces (East and North-West) of Pakistan	BMC Infectious Diseases	June, 2018	2.620
27.	Zara Naz, Braira Wahid, Shazia Rafique, Amjad Ali, Muhammad Idrees	Expression of SOCS1 and SOCS3 genes in interferon treated and direct acting antiviral drugs treated hepatitis c patients.	Journal of interferon and cytokine research	June, 2018	2.419
28.	Braira Wahid, Muhammad Wasim, Komal Saleem, Muhammad Waqar, Sajjad, Khansa Wahid, Manzoor Hussain & Muhammad Idrees	Poor glycemic control and abrupt onset of diabetes in HCV patients receiving direct-acting antiviral drugs: case series	Future Virology	July, 2018	1.210
29.	Altaf, Saba, Shahid, Mariam, Bano, Iqbal, Kousar, Samra, Ayoub, Muhammad, Aslam, Raheela, Sabar, Muhammad Farooq Sabar, Muhammad Usman Ghani, Tayyab, Ujala, Nadeem Sarooj, Husnain, Tayyab.	Association between genetic variant (rs11650680) of TOP2A and early onset asthma in population of Lahore	Advancements in Life Sciences	August, 2018	---
30.	Zara Naz, Sana Usman, KomalSaleem, Sara Ahmed, Hamid Bashir, Muhammad Bilal, Aleena Sumrin	Alpha-Fetoprotein: A fabulous Biomarker in Hepatocellular, Gastric and Rectal Cancer Diagnosis	Biomedical Research	August, 2018	0.219
31.	Safdar Hussain, Mengyao Sun, ZixinMin, YuanxuGuo, Jing Xu, Nosheen Mushtaq, Nazim Hussain, Fujun Zhang, Yan Han, PengXu, Jian Sun and Shemin Lu.	Down-regulated in OA cartilage, SFMBT2 contributes to NFkB-mediated ECM degradation	Journal of cellular and Molecular Medicine	August, 2018	4.500
32.	Zunaira Batool, Rukhsana Mubashar, Nadeem Sheikh, Aleena Ahmad Khan, Muhammad Illyas, Muhammad Shahzad and Sana Kaleem	Genetic analysis of 15 autosomal STRs in Yousafzai population of Pakistan	International Journal of Legal Medicine	August, 2018	2.300
33.	Ghulam Zahara Jahangir, ShaguftaNaz, Muhammad Idrees Khan, Muhammad Zafar Saleem	Rapid RNA extraction from Eucalyptus tree and its down processing for cloning of dehydrin genes.	Advancement in Life Sciences	August, 2018	---



RESEARCH COLLABORATION

○ **Indigenous**

- Children Hospital, Lahore
- University of Veterinary and Animal Sciences.
- Shaikh Zayed Hospital
- Ghulab Devi Hospital
- Mayo Hospital, Lahore
- King Edward Medical University, Lahore
- LUMS
- UHS

○ **Funding grants for R&D**

Major part of funding was met through centre's own resources (earnings through commercial activities)

Faculty of Oriental Learning

DEPARTMENT OF ARABIC○ **Projects**

Name of Researcher	Topic of Research	Sponsoring Agency	Approved Amount	Status
Dr. Abdul Majid Nadeem	"اللهجات العربية في الإمارات"	P.U. Lahore	150000/-	Continue
Dr. Abdul Qadeer	(A Study and Critical Editing of the text of "Riadh ul Faidh" by Maulana Faidh ul Hassan Saharanpuri)	P.U. Lahore	150000/-	Completed

○ **Publications**

Authors Name	Article Name	Journal with Date	Sponsoring Agency
Prof. Dr. Khaliq Dad Malik	سياسة دعم اللغة العربية في المناهج الدراسية الباكستانية (قرارات ومشاريع قوانين حكومية وغير حكومية أمودجا)	Majallah Al-Qism Al-Arabi Vol. 26, 2019	P.U. Lahore
Prof. Dr. Khaliq Dad Malik	تاريخ صلات بلاد العرب ببلاد شبه القارة وتنوعها	Majallah Al-Qism Al-Arabi Vol. 26, 2019	P.U. Lahore
Prof. Dr. Muhammad Qamar Ali	حکمرانوں کے لئے صوفیہ کا منہج تربیت	Muaarife Hujveria Serl. No. 12, 2018	P.U. Lahore
Dr. Hamid Ashraf Hamdani	أثر القرآن والحديث في مقامات السرقسطي	Majallah Al-Qism Al-Arabi Vol. 26, 2019	P.U. Lahore
" "	الدكتور شير علي المدني شاعراً عربياً	Majallah Al-Qism Al-Arabi Vol. 26, 2019	P.U. Lahore



“ “	الفساد مظاهره وسبل مكافحته	Jihat-ul-Islam Vol: 12, 2, 2019	P.U. Lahore
Dr. Hafiz Abdul Qadeer	التناص القرآني في شعر فيض الحسن السهارنبوري	Al-Adwa, Vol 34, Issue No. 52, 2019	Sheikh Zayed Islamic Centre

○ **Books**

Authors Name	Book Name	Publisher	No. of Pages	Year of Publication
Prof. Dr. Khaliq Dad Malik	تحقيق وتاويل كا طريقه كار	Azad Book Depot.	456	January, 2019
“ “	تدريس اللسان العربي	“ “	272	February, 2019
“ “	منهج البحث والتحقيق	“ “		February, 2019
“ “	اللغة العربية	“ “	152	May, 2019
“ “	الأدب العربي	“ “	160	July, 2019
“ “	اللغة العربية	“ “	152	September, 2019
“ “	الأدب العربي	“ “	160	September, 2019
“ “	منهج اللسان العربي	“ “	248	September, 2019
Dr. Hafiz Abdul Qadeer	رياض الفيض للشيخ فيض الحسن السهارنبوري - دراسة وتحقيق	دار الكتب العلمية		2019

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

Conference / Seminar / Workshop	Title & Date	Sponsor	Organizer
Prof. Dr. Khaliq Dad Malik	سه روزه عالمي كانفرس "شيخ علي هجویری اور بر صغیر میں روحانی انقلاب 28-26 اکتوبر، 2018	محکمہ اوقاف	دربار حضرت داتا گنج بخش، لاہور
Prof. Dr. Khaliq Dad Malik	دوروزہ بین الاقوامی کانفرس، مولانا جلال الدین رومیو ضرتسلطانپاہو: پیامہ روزہ مزیتیدریرتو عرفان، 20-19 فروری 2019	جامعہ پنجاب، لاہور۔	لاہور، پاکستان
Prof. Dr. Khaliq Dad Malik, All Faculty members & Students	یورپ میں عربی زبان و ادب ایک جائزہ One day International Seminar 30th November, 2018	Department of Arabic, P.U.	P.U. Lahore
Prof. Dr. Khaliq Dad Malik, All Faculty members & Students	منهج البحث والتحقيق One day International Seminar 14th December, 2018	Department of Arabic, P.U.	P.U. Lahore
Prof. Dr. Muhammad Qamar Ali	دوروزہ بین الاقوامی کانفرس، مولانا جلال الدین رومیو ضرتسلطانپاہو: پیامہ روزہ مزیتیدریرتو عرفان، 20-19 فروری 2019	جامعہ پنجاب، لاہور۔	لاہور، پاکستان
Prof. Dr. Hamid Ashraf Hamdani	4th International Conference on "Contemporary Ideological and Moral Challenges to Muslim Societies and their	Department of Islamic Studies, National University of	Islamabad, Pakistan



	Solution from Islamic Perspective"	Modern Languages, Islamabad 17-18 October 2018	
" "	2 nd International Conference on "Contemporary Arabic Literature New Trends in Research Criticism"	Department of Arabic, National University of Modern Languages, Islamabad 17-18 December 2018	Islamabad, Pakistan
" "	7 th International Seerat Conference on "The Basic Parameters of the Modern Muslim State, in the Light of Holy Prophet's (PBUH) Seerat"	Seerat Chair Faculty of Islamic Learning, The Islamia University of Bhawalpure, 8-9 April 2019	Bhawalpure, Pakistan
" "	International Multilingual Conference on "Post-conflict Literature, Trauma and Global Peace"	Faculty of Languages, National University of Modern Languages, Islamabad, 29-30 April 2019	Islamabad, Pakistan
Dr. Abdul Qadeer	المؤتمر الأول للشعراء الأمويين	مركز البحوث والتواصل المعرفي، الرياض 09-11 April, 2019	رياض، سعودية

○ **Research Journals**

Journal Name	Editor Name	Remarks
Majallah Al Qism Al Arabi, Department of Arabic, PU, Lahore Issue No. 26 / 2019	Prof. Dr. Khaliq Dad Malik	Annual

DEPARTMENT OF KASHMIRYAT

○ **Research articles published national & international:**

- Dr. Sardar Asghar Iqbal, Socio-Economic Assessments and Living Standards of Kashmiri Migrants Living in Campus in Muzaffarabad (AJ&K), Pakistan Vision, 2019.
- Dr. Kh. Zahid Aziz, Riasa Jammu & Kashmir main Urdu aur Kashmiri Novel Nigari, Majallah-e-Tahqiq, Lahore, 2018
- Dr. Kh. Zahid Aziz, Abdul Ahad Azad ki Shairy per Allam Iqbal kay Asraat, Oriental College Magazine, Lahore, 2018.
- Dr. Kh. Zahid Aziz, Allama Iqbal aur Mahjoor Kashmiri, Bazyaft, Department of Urdu, PU, Lahore, 2018.



○ Conferences, Seminars And Workshops

- مسئلہ کشمیر موجودہ تناظر میں , 09th April, 2019, at Sherani Hall, Oriental Collge, University of the Punjab organized by Kashmiryat Department, University of the Punjab, Lahore.
- **Kashmir Solidarity Day**, 06th February, 2019, Kashmiryat Department, University of the Punjab, Lahore.
- **Dr. Nusrat Nisar**, Incharge / Assistant Professor, Presented Paper in Conference of Regional Languages: The Importance of Regional Languages, M.A.O College, Lahore.
- **Dr. Nusrat Nisar**, Incharge / Assistant Professor, Presented Paper in Conference: Kashmir aur Kashmiri Bachy, Urdu Science Board, Lahore.
- **Dr. Nusrat Nisar**, Incharge / Assistant Professor, Presented Paper in Conference: , Zafar Ali Trust Lahore مسئلہ کشمیر اور امکانی حل
- **Dr. Kh. Zahid Aziz**, Assistant Professor, Presented Paper in **International Conference** of Pakistani Languages: impacts of English Literature on Kashmiri Language and Literature, Department of Pakistani Languages, Allama Iqbal Open University, Islamabad. 2018.
- **Dr. Kh. Zahid Aziz**, Assistant Professor, Presented paper in **International Conference** on Iqbal's Intellectual and Artistic Universality: Allama Iqbal and Freedom struggle in Kashmir, Department of Iqbaliat, Allam Iqbal Open University, Islamabad, 2019.

DEPARTMENT OF PERSIAN

○ Publication : Books/Edited

Sr. No.	Name of Author	Title of Book
1.	Prof. Dr. Muhammad Nasir	محمد، نبی ہمیشہ کے لیے Muhammad (PBUH), the Prophet for ever

○ Publication : Paper/Article

Sr. No.	Name of Author	Title of Paper/Article
1.	Prof. Dr. Muhammad Nasir	مولوی شناسی در شبہ قارہ Rumi Studies in Subcontinent
2.	Prof. Dr Sayyid Muhammad Farid	احوال و آثار سید علیم اللہ جالندھری (شارح بوستان سعدی)
3.	Dr. Shoaib Ahmad	نگاہی بہ ویژگیهای هنری مکتوباتِ امام ربانیؒ
4.	Dr. Ihsan Ahmad	اسباب المغفرت و دلیل الاحسان اثر ارژنده ادب دینی فارسی در شبہ قارہ
5.	Dr. Uzma Zareen Nazia	مولانا و سلطان باہو، ہمرسگاہ (محل سیدن) پارسی زبانان ایران و پاکستان

○ Conferences, Seminars and Workshops

- Prof. Dr. Muhammad Saleem Mazhar (2019), "Sultan Bahoo and Maulana Rumi", University of the Punjab, Lahore
- Prof. Dr. Muhammad Saleem Mazhar (2019), "Baba Fareed and Baba Gru Nannik Punjabi Conference ", Department of Punjabi, University of the Punjab, Lahore



- Prof Dr. Muhammad Nasir (2019), “Conceptual Study of the World Epics” organized by The Shahnama Centre for Persian Studies, Pembroke College, University of Cambridge, UK.
- Prof Dr. Muhammad Nasir (2018), “International Iqbal Conference” organized by Kunya Metropolitan Government, Kunya, Turkey.
- Prof. Dr Sayyid Muahmmad Farid (2019), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr. Muhammad Sabir (2019), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr. Shoaib Ahmad (2019), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr Shoaib Ahmad (2019), “Baba Fareed and Baba Gru Nannik Punjabi Conference ”, Department of Punjabi, University of the Punjab, Lahore
- Dr Shoaib Ahmad (2019), “Taswwuf and Asar e Hazir”, organized Hujveri Chair, Oriental College, Punjab University, Lahore.
- Dr Ihsan Ahmed (2019), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr Ihsan Ahmed (2019), “Baba Fareed and Baba Gru Nannik Punjabi Conference ”, Department of Punjabi, University of the Punjab, Lahore
- Dr. Uzma Zareen Nazia, (2019), “Sultan Bahoo and Maulana Rumi”, University of the Punjab, Lahore
- Dr. Uzma Zareen Nazia, (2019), “National Conference on Gender Studies”, organized by Department of Gender Studies, University of the Punjab, Lahore.

DEPARTMENT OF PUNJABI

○ **Publication:** Books/Edited

Dr. Naveed Ahmad Shahzad. "سورج راک", 2019

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

Prof. Dr. Nabila Rehman

- *Toheed Tay Prem Di Nishani.....Babay Nanak Di Bani, International Seminar, Dyal Singh Research & Cultural Forum, 27 November, 2018.*
- Baba Guru Nanak International Seminar Department of Punjabi, PU. 28 Nov 2018
- Seerat Un Nabi Seminar Department of Punjabi PU, Lahore, 26 Nov.2018
- Conference Molana Jalal Ud Din Romi or Sultan Bahoo Department of Persian, University of Punjab, Lahore. 20 Feb.2019
- World Mother Language Day Seminar, Department of Punjabi, PU. 25 Feb 2019
- 3-Day International Conference: “Peace & Punjabi”, World Punjabi Congress, Lahore, 1-3 February, 2019.
- Shah Hussain Seminar Department of Punjabi PU, Lahore, 28 Mar 2019.



Prof. Dr. Naveed Ahmad Shahzad

- Baba Guru Nanak International Seminar Department of Punjabi, PU. 28 Nov 2018
- Seerat Un Nabi Seminar Department of Punjabi PU, Lahore, 26 Nov.2018
- World Mother Language Day Seminar, Department of Punjabi, PU. 25 Feb 2019
- Shah Hussain Seminar Department of Punjabi PU, Lahore, 28 Mar 2019.

Dr. Saadat Ali Saqib

- Baba Guru Nanak International Seminar Department of Punjabi, PU. 28 Nov 2018
- Education workshop, PIPS, Lahore. 29 Jan 2019
- Education workshop, PIPS, Maree. 2019
- Seerat Un Nabi Seminar Department of Punjabi PU, Lahore, 26 Nov.2018
- International Punjabi Conference LCWU. 19 Feb.2019
- World Mother Language Day Seminar, Department of Punjabi, PU. 25 Feb 2019
- Shah Hussain Seminar Department of Punjabi PU, Lahore, 28 Mar 2019.
- Punjabi Tareekh Culture dy Bardasht dy Raviyee Department of Philosophy, Pu. May 2019
- Waris Shah Punjabi Conference, PILAC. 23 Jul, 2019.
- How to Procure, Department of Economics, PU. Aug 2019.

Dr. Asma Qadri

- Baba Guru Nanak International Seminar Department of Punjabi, PU. 28 Nov 2018
- Seerat Un Nabi Seminar Department of Punjabi PU, Lahore, 26 Nov.2018
- World Mother Language Day Seminar, Department of Punjabi, PU. 25 Feb 2019
- Shah Hussain Seminar Department of Punjabi PU, Lahore, 28 Mar 2019.
- Baba Sheikh Farid and Baba Guru Nanak International Conference, Canada, 13 Mar, 2019.

Dr. Zahir Ahmad Shafiq

- Baba Guru Nanak International Seminar Department of Punjabi, PU. 28 Nov 2018
- Seerat Un Nabi Seminar Department of Punjabi PU, Lahore, 26 Nov.2018
- World Mother Language Day Seminar, Department of Punjabi, PU. 25 Feb 2019
- Shah Hussain Seminar Department of Punjabi PU, Lahore, 28 Mar 2019.

Research Journal

- Dr. Zaheer Ahmad Shafiq "پنجابی ادب وچ خاکہ نگاری دی روایت"، 2019، چھپائی کھوج

DEPARTMENT OF URDU

○ Publication : Books/Edited

- Prof. Dr. Zahid Munir Amir, *Fi Hubb-e-Misr*, Lahore: Urdu Development Committee, University of the Punjab, 2019.
- Prof. Dr. Zahid Munir Amir, *Diyar e Shams (The Land of the Sun)*, Jhelum: Book Corner 2019.
- Prof. Dr. Baseera Ambreen, *Iqbal, Wajood e Zan aur Tasveer Kainat*, Lahore: Dar ul Nawadir, 2019.



- Prof. Dr. Baseera Ambreen, *Singhasin Bateesi (Tarteel o Tasheel)*, Lahore: Dar ul Nawadir, 2019.
- Dr. Arifa Shahzad, *Angraizi main Urdu adabkitanqeed*, Lahore: DASTVAIZ, PUBLICATIONS, April 2019.
- Dr. Arifa Shahzad, *Zinda Javed (Ahmad Javed Hayaat o AdabiKhidmaat)*, Lahore: DASTVAIZ, PUBLICATIONS, June 2019.
- Dr. Arifa Shahzad, *Majeed Amjad kiShairi kay Angraizi Trajim*, Lahore: DASTVAIZ, PUBLICATIONS, June 2019.
- Dr. Arifa Shahzad, *Teen Shair Teen Mabahis*, Lahore: DASTVAIZ, PUBLICATIONS, June 2019.
- **Research articles Published National & International Journals**
 - Prof. Dr. Zahid Munir Amir, “ڈاکٹر جمیل جالبی۔۔۔ تعلق اور تحقیق کی خوشبو”, Included in: *Bazyaft*, No. 33, July-December 2018, Lahore: Urdu Department, Oriental College Punjab University, Lahore. P 169-204.
 - Prof. Dr. Zahid Munir Amir, “Beesween Sadi ka Misr.... Munshi Mahboob Alam ki Nazr Mein”, Included in: *Awraq e Tahqeeq*, Govt. College Women University Faisalabad’s Research Journal No. 2 , Jan-June 2017 (Pub in March 2019) pp 38-49.
 - Prof. Dr. Muhammad Kamran, “پاکستان میں اردو کا نفاذ اہم حقائق”, Included in: *Daryaft*, No. 21, June 2019, Islamabad: National University of Modern Language.
 - Prof. Dr. Muhammad Kamran, “Implementation of Urdu in Pakistan and Internet”, Included in: *Zuban o Adab*, No. 24, Jan-June 2019, Faisalabad: Urdu Department, Govt. College University.
 - Prof. Dr. Baseera Ambreen, “Goli Taraqi kay Afsanon Maen Yadnigari ka Unsar”, Included in: *Bazyaft*, No. 33, July-Dec 2018, Lahore: Urdu Department, Oriental College, University of the Punjab.
 - Dr. Arifa Shahzad, “Iqbal and Tarachand Rastogi”, Included in: *Alhamd*, Islamabad, International Islamic University, July-December 2019.
 - Dr. Aneela Saleem, جابر علی سید کی شاعری, *Bazyaft*, Vol: 33, July-Dec 2018, Urdu Department, Oriental College, University of the Punjab, Lahore, Pg: 225-246.
 - Dr. Asif Ali Chatta, “Sufia aur Muashara”, Included in: *Ma’rif e Hajveria*, Lahore: Faculty of Oriental Learning, University of the Punjab, 2019
 - Dr. Asif Ali Chatta, “Tabeerat e Azadi ki Tagayyur Bazeeri”, Included in: *Oriental College Magazine*, Lahore: Oriental College, University of the Punjab, 2018.
- Research Particles Included in Edited Books
 - Prof. Dr. Zahid Munir Amir, “Kia Ahd e Yousafi Khatm Hogaya?”, Included in: ***Mushtaq Ahmad Yousafi Kuch Yaadain Kuch Batain*** by Amar Shahid, Jhelam, Book Corner, 2019



- Prof. Dr. Zahid Munir Amir, "Taqqreez", Included in: ***Dua e Mahroomi*** by Dr. Zahid Ashraf, Faisalabad: Maktaba Alminber, 2018.

Article Published in others Journals

- Prof. Dr. Zahid Munir Amir, "Sher, Lafz aur Taza Kari", Included in: *Mujallah Sharq* Oriental College Lahore, 2019.
- Prof. Dr. Zahid Munir Amir, "Nau Abadyati Mazalim ki Khak se ubharta Sitara.... Maritius", Included in: *Quarterly Asaleeb*, Sargodha Aug-Oct 2018.
- Prof. Dr. Zahid Munir Amir, "Turkey Ba Turkey", Included in: *Nai Baat*, Lahore, 8th Nov 2018.
- Prof. Dr. Zahid Munir Amir, "Istanbul Tarboosh aur Turk Dulhanain", Included in: *Nai Baat*, Lahore, Lahore, 14th Nov 2018.
- Prof. Dr. Zahid Munir Amir, "Ayub Sultan ki Khidmat mein", Included in: *Nai Baat*, Lahore, Lahore, 21st Nov 2018.
- Prof. Dr. Zahid Munir Amir, "Husn e Zan ka Inaam", Included in: *Nai Baat*, Lahore, Lahore, 28th Nov 2018.
- Prof. Dr. Zahid Munir Amir, "Qanooni Sultan aur Malka Khurram... Seedhi rah per kon", Included in: *Nai Baat*, Lahore, Lahore, 5th Dec 2018.
- Prof. Dr. Zahid Munir Amir, "Neeli Masjid", Included in: *Nai Baat*, Lahore, Lahore, 2nd Jan. 2019.
- Prof. Dr. Zahid Munir Amir, "Dr. Fu'ad Seizgen Aur Aloom ki Aabnae", Included in: *Nai Baat*, Lahore, Lahore, 10th Jan. 2019.
- Prof. Dr. Zahid Munir Amir, "Naujwan Youshe Bin Noon ki Khidmat Mein", Included in: *Nai Baat*, Lahore, Lahore, 16th Jan. 2019.
- Prof. Dr. Zahid Munir Amir, "Istanbol ki Aik Raat aur Imro ul Qais ki Baat", Included in: *Nai Baat*, Lahore, Lahore, 6th Feb. 2019.
- Prof. Dr. Zahid Munir Amir, "Istanbol se Qonia", Included in: *Nai Baat*, Lahore, Lahore, 13th Feb. 2019.
- Prof. Dr. Zahid Munir Amir, "Qonia ka Chragh", Included in: *Nai Baat*, Lahore, Lahore, 20th Feb 2019.
- Prof. Dr. Zahid Munir Amir, "Qonia Mein Ibn Battuta aur Talash e Insan", Included in: *Nai Baat*, Lahore, Lahore, 27th Feb 2019.
- Prof. Dr. Zahid Munir Amir, "Peer o Murid ki Yak Jai", Included in: *Nai Baat*, Lahore, Lahore, 13th Mar. 2019.
- Prof. Dr. Zahid Munir Amir, "Shams Tabraizi k Jiwar Mein Khitab", Included in: *Nai Baat*, Lahore, Lahore, 20th Mar. 2019.
- Prof. Dr. Zahid Munir Amir, "Wasail ki Ghulami, Shams Tabraizi k Jiwar Mein Khitab-2", Included in: *Nai Baat*, Lahore, Lahore, 27th Mar. 2019.
- Prof. Dr. Zahid Munir Amir, "Qonia se Wapsi", Included in: *Nai Baat*, Lahore, Lahore, 29th May 2019.



- Prof. Dr. Zahid Munir Amir, “Turkey ba Turkey”, Included in: Monthly *Nairang e Khyal*, Rawalpindi, May 2019.
 - Prof. Dr. Zahid Munir Amir, “Shams Tabraizi k Jiwar Mein”, Included in: Monthly *Zauq e Zindagi* Lahore, May 2019.
 - Prof. Dr. Zahid Munir Amir, “Qustuntuniya ki Faseel aur Hazrat Abu Ayoub Ansari”, Included in: Monthly *Ishraq* Lahore, June 2019.
 - Prof. Dr. Zahid Munir Amir, “Istanbul University ki Janib”, Included in: *Naibaat* Lahore, 5th June 2019.
 - Prof. Dr. Zahid Munir Amir, “Istanbul University Mein Khitab”, Included in: *Naibaat* Lahore, 12th June 2019.
 - Prof. Dr. Zahid Munir Amir, “Punjab University aur Istanbul University”, Included in: *Naibaat* Lahore, 3rd July 2019.
 - Prof. Dr. Zahid Munir Amir, “Toap Ghar Aijaeb Ghar me”, Included in: *Naibaat* Lahore, 10th July 2019.
 - Prof. Dr. Zahid Munir Amir, “Alwida Istanbul”, Included in: *Naibaat* Lahore, 17th July 2019.
 - Prof. Dr. Zahid Munir Amir, “Toap Copy Aijaeb Ghar mein”, Included in: Monthly *Zauq-e-Zindagi* Lahore, July 2019.
 - Prof. Dr. Zahid Munir Amir, “Suqrat k Dais Mein”, Included in: *Nai Baat*, Lahore, 31st July 2019.
 - Prof. Dr. Zahid Munir Amir, “Suqrat k Dais Mein”, Included in: Monthly *Zauq-e-Zindagi*, Lahore, Aug 2019.
 - Prof. Dr. Zahid Munir Amir, “Raas ul Hussain”, Included in: Monthly *Namood*, Lahore, Vol. 7 No 7,8,9,10, July-Oct 2019.
 - Prof. Dr. Zia ul Hassan, “Markiz ki Afsanvi Dunya”, Included in: *Semaab*, Mirpur (Azad Kashmir): Govt. Degree college, 2018.
 - Prof. Dr. Zia ul Hassan, “Ghalib kay Asrat: Jadid Ghazal Par”, Included in: *Mukalma* (Annual) Karachi: Feb-Aug 2019.
 - Prof. Dr. Zia ul Hassan, “Muhammad Hameed Shahid ka Afsanvi Usloob”, Included in: *Book Digest* (M. Hamid Sahid Number), Karachi: Sep-Oct 2019.
 - Prof. Dr. Zia ul Hassan, “Moulana Shibli Noumani”, Included in: *Mujallah Sharq*, Lahore: Oriental College, Punjab University, 2019.
- **Conferences, Seminars and Workshops**
- Prof. Dr. Zahid Munir Amir, “Seminar and Launching of Books”, Delivered Lecture on Turkey Pakistan and Urdu, 8 Oct 2018.
 - Prof. Dr. Zahid Munir Amir, “Welcome Dinner by Pakistani Community Greece”, Delivered Lecture, Pakistani Community Greece Athens, 10th Oct 2018.
 - Prof. Dr. Zahid Munir Amir, “Training Workshop for working Journalists”, Presented Research on, Journalsts Club Athens, Greece, 11th Oct 2018.



- Prof. Dr. Zahid Munir Amir, “Quom and its Message to the Mankind”, Delivered Lecture, Jamia Hasan Bin Ali Athens, Greece, 12th Oct 2018.
- Prof. Dr. Zahid Munir Amir, “Responsibilities of Overseas Pakistanis Abroad”, Delivered Lecture, Pakistan Journalists Club Greece, 12th Oct 2018.
- Prof. Dr. Zahid Munir Amir, “Life and Time”, Delivered Lecture, Overseas Alliance Forum Athens Greece, 13th Oct 2018.
- Prof. Dr. Zahid Munir Amir, “Launching Ceremony Armghan e Khurshid”, Addressed as Guest of Honour via Streaming, Punjab Institute of Language Art and Culture Lahore, 20th Oct 2018.
- Prof. Dr. Zahid Munir Amir, “Change in Pakistani Society and their Impact Upon Urdu”, Delivered Lecture on the subject, Vrije University Amsterdam Neitherland, 20th Oct 2018.
- Prof. Dr. Zahid Munir Amir, “International Commemoration Conference on Allama Iqbal ICCAI 2018”, Presented one Session of the Conference and Presented Paper on “The Role of Creativity and Innovation in Developing a Wider Social Environment – View Point of Poet Philosopher Muhammad Iqbal”, Department of Persian Studies, NUML Islamabad, 22-23 Nov. 2018.
- Prof. Dr. Zahid Munir Amir, “Vice Chancellors Session in Jashn e Iqbal”, Represented V.C Punjab University and Delivered Lecture on Iqbal’s Message on the Youth, Awan e Iqbal Lahore, 12 Dec. 2018.
- Prof. Dr. Zahid Munir Amir, “2 Day National Conference on Quaid e Azam and Urdu Language & Literature”, Presented one Session and Presented research Paper on Quaid e Azam and Urdu, Lahore Garrison University, 12 Dec. 2018.
- Prof. Dr. Zahid Munir Amir, “Seminar on Quaid e Azam Day”, Key Note Speaker, Capital City Police Office Lahore, 28 Dec. 2018.
- Prof. Dr. Zahid Munir Amir, “International Conference on Mevlana Rumi & Hadrat Sultan Bahoo”, Presented Paper on Allama Iqbal & Maulana Rumi, Faculty of Oriental Learning / Al-Razi Hall Punjab University Lahore, 19-20 Feb 2019.
- Prof. Dr. Zahid Munir Amir, “Self Esteem”, Participated in panel discussion, Institute of Applied Psychology / Punjab University Lahore, 3rd April 2019.
- Prof. Dr. Zahid Munir Amir, “International Conference on Iqbal”, Presented paper “Iqbal on Creative Thinking”, Lahore College for Women University Lahore, 22-23 April 2019.
- Prof. Dr. Zahid Munir Amir, “International Conference on Allama Muhammad Iqbal”, Organized and presented paper, Department of Urdu, Oriental College Punjab University / Senate Hall Old Campus, 23rd April 2019.
- Prof. Dr. Zahid Munir Amir, “International Conference “Iqbal ki Fikri Aur Fanni Aafaqiat””, Presented paper on “Iqbal’s Artistic and Intellectual Universality”, Department of Iqbal Studies/ Allama Iqbal Open University Islamabad, 24th April 2019.



- Prof. Dr. Zahid Munir Amir, “Iqbal Day Celebration”, Participate as Chief Guest and delivered Key note speech on “Iqbal aur Asr e Hazir k Challenges”, Govt. Khwaja Rafique Shaheed College Lahore, 30th April 2019.
- Prof. Dr. Zahid Munir Amir, “The Educationist”, Delivered lecture on Corruption, Institute of Chemistry, Punjab University Lahore, 24th Sep 2019.
- Prof. Dr. Zia ul Hassan, Article Topic: “Urdu Afsana aur Saqafti Bayania”, Conference Topic: 9th International Urdu Conference, Dated: November 2018.
- Prof. Dr. Zia ul Hassan, Article Topic: “Ikeesvin Sadi kay Sheiry Istiaray Moujuda Almi Tanazur Main”, Conference Topic: International Multilingual Conference on Post-conflict literature, Trauma and Global Peace, Organized by: Govt. M.A.O College, Lahore, Dated: 30th April 2019.
- Prof. Dr. Zia ul Hassan, Article Topic: “Jadid Urdu Ghazal par Ghalib kay Asrat”, Conference Topic: 11th International Urdu Conference, Organized by: Arts Council of Pakistan, Karachi, Dated: 22-25 Nov 2018
- Prof. Dr. Zia ul Hassan, Article Topic: “Calasikiat, Jadidat aur Muasir Urdu Novel”, Conference Topic: Calasikiat, Jadidiat aur Moasir Adabi Taqazay, Organized by: Urdu Department, G.C University, Lahore, Dated: 14-15 Nov 2018.
- Prof. Dr. Zia ul Hassan, Article Topic: “Ghalib aur Hamari Dunya”, Conference Topic: Maen Andleeb e Gulshan e Na Aafrida Hun, Dated: 15th February 2019.
- Prof. Dr. Baseera Ambreen, Article Topic: “Delivered Lecturer”, Conference Topic: Markazi Taqreeb Iqbal Day, Aiwan e Iqbal, Lahore Dated: November 2018.
- Prof. Dr. Baseera Ambreen, Conference Topic: Allama Iqbal International Conference, Organized by: Urdu Department, Oriental College, University of the Punjab, Lahore Dated: 23rd April 2019.
- Dr. Aneela Saleem, Conference Topic “Allama Muhammad Iqbal International Conference”, Article Topic: “کلام اقبال میں لفظ و معنی کی مطابقت --- تنقیدی مطالعات پر ایک نظر” Organized by: Urdu Department, Oriental College, University of the Punjab, Lahore. Dated: 23 April 2019.
- Dr. Asif Ali Chatta, Article Topic: “Aman aur Rawadari kay Firogh main Sufi Adab ka Kirdar”, Conference Topic: Two Days International Conference, Organized by: G. C University, Lahore, Dated: 26-27 December 2018.
- Dr. Asif Ali Chatta, Article Topic: “Saie o Taharruk ka Payambar: Iqbal”, Conference Topic: Allama Iqbal International Conference, Organized by: Department of Urdu Oriental College University of the Punjab, Lahore, Dated: 23 April 2019.

UNIVERSITY ORIENTAL COLLEGE

○ Conference, Seminars and Workshops, etc.

Book Launching Ceremony (19-11-18)

- Eminent professors from brotherly Islamic country Iran attended a meeting held at the College Shirani Hall, to recognise the literary as well as research works of the Persian in the field of Persian language and literature. Book launching ceremony of ‘Tarikh e Farishta’



edited by Dr Muhamma Raza Nuseeri was also held at the occasion. Renowned scholars like prof Dr Syed Muhammad Akram Ikram, Prof Dr Muhammad Saleem Mazhar, Prof Dr Muhammad Fakhul Haq Noori, Prof Dr Muhammad Iqbal Shahid, Prof Dr Zahid Munir Amir, Prof Dr Muhammad Nasir addressed the meeting. At the end of the ceremony, a music session of Qawwali singing was held. Students in large number attended the session.

- **Baba Guru Nanak International Seminar (28-11-18)**

A one day International Seminar was held in connection with 549th birthday of Baba Guru Nanak at the College Shirani Hall. Scholars paid warm tribute to the services of Baba Nanak in the fields of Punjabi literature and mysticism. Research papers on various aspects of his life were presented by national and international scholars. The Seminar was hosted by the Department of Punjabi.

- **Tribute to Quaid-e-Azam (03-01-19)**

To pay homage to the veritable services of founder of Pakistan Quaid-e-Azam Muhammad Ali Jinnah, a meeting was held by the Faculty of Oriental Learning at the College Shirani Hall. Dean Faculty of Oriental Learning Prof Dr Muhammad Saleem Mazhar, Principal Oriental College Prof Dr Muhammad Fakhul Haq Noori enlightened the students with the great services of the Quaid-e-Azam Muhammad Ali Jinnah.

- **Extensive Lecture on Tasawwuf (11-01-19)**

An extensive lecture on Tasawwuf was organised by Syed Ali Hujveri Chair, University of the Punjab, Lahore at the College Shirani Hall. Renowned Urdu columnist Harunurashid was the key note speaker. He delivered an elaborated lecture on the topic. Principal Oriental College Prof Dr Muhammad Fakhul Haq Noori and Dean Faculty of Oriental Learning Prof Dr Muhammad Saleem Mazhar also addressed the audience.

- **One Day Tasawwuf Seminar (28-03-19)**

Syed Ali Hujveri Chair, University of the Punjab, Lahore held a One Day Tasawwuf Seminar titled 'Universality of Two Nation Theory and The Roles of The Sufis. A number of scholars presented their papers. They stressed upon the unrelenting service and role of the Sufis in creating awareness among the Muslim of the Indo Pak Subcontinent to be a separate nation. The very theory on which, later, Pakistan came into being. Teachers, Students and Sufi lovers attended the seminar.

- **International Seminar on Kashmir (09-04-19)**

A One Day International Seminar on Kashmir was organised by the Department of Kashmiriyat at the College Shirani Hall. Scholars hailing from Kashmir participated in the seminar and presented their papers on different aspect of Kashmir ranging from its cultural heritage, architecture, language and literature.

- **Prize Distribution Ceremony (03-05-19)**

The prize distribution ceremony of 123rd Annual Sports was held at the College Shirani Hall. The ceremony was presided by Principal Oriental College Dr Muhammad Fakhul Haq Noori whereas Dean Faculty of Oriental Learning Dr Muhammad Saleem Mazhar



was chief guest at the occasion. Prizes including medals, shields and champion trophy, were distributed among the winning students and who showed extra ordinary performance during the event.

○ **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.

HUJVERI CHAIR

○ **Conferences and Seminars**

- Prof. Dr. Syed Mohammad Qamar Ali. Seminar Topic: “ The Role of Sufis in Pakistan Movement”. Oriental College, Punjab University, Lahore. (2018).
- Prof. Dr. Syed Mohammad Qamar Ali.Seminar Topic: “Daata Gunj Bakhsh Founder of the Nation”. Oriental College, Punjab University, Lahore. (2018).
- Prof. Dr. Syed Mohammad Qamar Ali. Seminar Topic: “Sufism and Modern Era”. Oriental College, Punjab University, Lahore. (2019).
- 4 National Seminar Topic: “ The Universality of Two Nations Theory and Sufism”. Oriental College, Punjab Univeristy, Lahore. (2019).

○ **Publications: Books**

Prof. Dr. Syed Mohammad Qamar Ali. Maarif-e-Hujveria 7, Hujveri Chair Oriental College, Punjab University Lahore, (2018).

Counselling and Guidance Sessions to Tasawwuf Literature:

- Prof. Dr. Syed Mohammad Qamar Ali. Topic:“ Hazrat Daata Gunj Bakhsh and his Preaching Activities”. (2018).
- Session Arrangrd by Hujveri Chair on Topic: “Hazrat Noshah Gunj Bakhsh and his Spiritual Teachings”. Key address by Prof. Dr. Mohammad Nawaz Darwaish (2018).
- Prof. Dr. Syed Mohammad Qamar Ali. Topic: “Hazrat Nizam -ud- Din Auliya and his School of Thought”. (2019).
- Session Arranged by Hujveri Chair on Topic: “Methods of Spritual Training in Qadiriyya Sufi Order” Key address by Prof. Dr.Tahir Hameed Tanoli, (2019).



Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

Projects: Newly launched

A PC-I for the establishment of Department of Natural Medicine has been submitted to HEC. One PC-I for the establishment of Bioavailability and Bioequivalence Lab has been submitted to university. Five projects funded by HEC under NRP Program are underway. A certificate course (QBD) has been launched and one batch has completed the program.

○ **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.

Prof. Dr. Khalid Hussain

- Khalid Hussain, Abida Qamar, Nadeem Irfan Bukhari, Amjad Hussain, Naureen Shehzadi, Shaista Qamar, Sajida Parveen. Impact of particle-size reduction on solubility and antidiabetic activity of extracts of leaves of Vincarosea. Turkish Journal of Pharmaceutical Sciences, 2019 (Print ahead).
- Shaista Qamar, Khalid Hussain, Nadeem I Bukhari, Sabahat Z Siddique, Aziz-ur-Rehman Muhammad A Abbasi, NaureenShehzadi, Sajida Parveen, Abida Qamar, SidrSaddique, Ejaz Ali, SurriyaNaheed. Antidiabetic, antioxidant and molecular interaction studies of 5-Benzyl 1, 3, oxadiazole 2-thiol: A novel compound. Tropical Journal o Pharmaceutical Research 2019; 18 (5): 1095-1100.
- Shaista Qamar, Khalid Hussain, Nadeem Irfan Bukhari, NaureenShehzadi, Muhamma Islam, Sabahat Zahra Siddique, Aziz-ur-Rehman. Method development and stress degradation profile of 5-benzyl-1,3,4-oxadiazole-2-thiol studied by UV spectroscopy Pharmaceutical Chemistry Journal, 2018, 52 (3), 278-283. (IF 0.445).

Prof. Dr. Nadeem Irfan Bukhari

- Muhammad WaqasKhadam, Muhammad MudassarAsraf, UmbreenNaz, N. I Bukhari, Imtiaz Mahmood Tahir. 2019. "Disposition kinetics, renal clearance and urinary excretion of cefixime in adolescent Pakistan boys". Journal of Pakistan Medical Association. 69(3); 367-372.



- Ummarah Kanwal, Nadeem Irfan Bukhari, Nosheen Fatima Rana, Mehreen Rehman, Khalid Hussain, Nasir Abbas, Arshad Mehmood, Abida Raza. Doxorubicin-loaded quaternary ammonium palmitoyl glycol chitosan polymeric nanoformulation: uptake by cells and organs. *International Journal of Nanomedicine*, 2019, 14, 1-15. 2018.

Prof. Dr. Abida Latif

- Atiq-ur-Rehman^{1,2*}, Abida Latif¹, Nasir Abbas¹, Imran Waheed³, Atta-ur-Rehman⁴, Muhammad Naeem Qasir. 2019. α -Glucosidase Inhibitory and Antioxidant Activities of Various Extracts of Aerial Parts of *Fagoniaindica* Burm. F. *Tropical Journal of Pharmaceutical Research*. 18 (4): 449-458.
- Atiq-ur-Rehman^{1,2*}, Abida Latif^{1*}, Rukhsana Anwar¹, Nasir Abbas¹, Sajid Nawaz², Hamid Turab Mirza³. 2019. Postprandial Anti-diabetic Effects of Various Fractions of *Fagoniaindica* Burm.f. by In Vitro and In Vivo Studies. *Pakistan Journal of Zoology*. 51(1), pp 333-340.

Prof. Dr. Hamid Saeed

- ¹Saima Sattar, ¹Mobasher Ahmad, ^{*1}Hamid SAEED, ¹Zikria Saleem, ¹Zeeshan Danish, ²Muhammad Akhlaq. 2019. Comparison of clinico-pathological characteristics and survival of recurrent ovarian cancer patients on seven different chemo-protocols. DOI <https://doi.org/10.2478/acph-2019-0002> *Acta Pharmaceutica*. (Impact factor = 1.4).
- Asma Shahzad^a, Mehwish Iqtedar^{a*}, Hamid SAEED^b, Syed Zajif Hussain^c, Asma Chaudhary^d, Roheena Abdullah^a, Afshan Kaleem^a. 2019. Mycosynthesis of size controlled silver nanoparticles through optimization of process variables by Response Surface Methodology. *Polish Journal of Microbiology* (Impact factor = 0.8)
- Asma Shahzad¹, Hamid SAEED², Mehwish Iqtedar^{*1}, Syed Zajif Hussain³, Afshan Kaleem¹, Roheena Abdullah¹, Saima Sharif⁴, Shagufta Naz⁴, Faiza Saleem¹, Ayesha Aihetasham⁵, Asma Chaudhary⁶. 2019. Size Controlled Production of Silver Nanoparticles by *Aspergillus fumigatus* BCB10: Likely Anti-bacterial and Cytotoxic Effects. DOI <https://doi.org/10.1155/2019/5168698> *Journal of Nanomaterials*. (Impact factor = 2.2)
- Amna Saeed^{1,2,3,4,5}, ^{*1}Hamid SAEED^{1*}, Zikria Saleem¹, Yu Fang^{2,3,4,5}, Zaheer-Ud-Din Babar^{6,7}. 2019. Medicine Prices, Availability and Affordability Essential Medicines in Lahore Division, Pakistan: A Cross-sectional Survey using WHO/HAI Methodology. DOI <https://doi.org/10.1371/journal.pone.0216122> *Plos ONE* (Impact factor = 2.8)
- ¹Mariam Ashraf, ^{*1}Hamid SAEED, ¹Zikria Saleem, ²Hassan Anwer Rathore, ³Fawad Rasool, ¹Eman Tahir, ¹Tooba Bhatti, ¹Javeria Khalid, ¹Iqra Bhatti, ¹Ayesha Tariq. 2019. A Cross-sectional Assessment of Knowledge, Attitudes and Self-Perceived Effectiveness of CAM among Pharmacy and Non-Pharmacy University Students. DOI <https://doi.org/10.1186/s12906-019-2503-y> *BMC Complementary and Alternative Medicine*. (Impact factor = 2.5)



- ¹ZikriaSaleem, *¹Hamid SAEED,²Zohaib Abbas Khan, ³Muhammad Imran Hassan Khan,⁴Furqan Khurshid Hashmi ^{1,4}, ¹Muhammad Islam, ⁵Afzaal Bashir. 2019. Association of Hypertension and Dyslipidaemia with Obesity in Diabetic Patients: A Study from Lahore. Accepted in Brazilian Journal of Pharmaceutical Sciences (Impact factor = 0.5).
- Rabia Arshad, Muhammad Farhan Sohail, Hafiz Shoaib Sarwar, Hamid SAEED, Imran Ali, Sohail Akhtar, Iqra Afzal, Sarwat Jahan, Gul Shahnaz. 2019. ZnO –NPs embedded biodegradable thiolated bandage for postoperative surgical site infection; In-vitro and in-vivo evaluation. Plos ONE (Impact factor = 2.8)
- ¹Saba Zia Butt, ¹Mobasher Ahmad, *^{1,2}Hamid SAEED, ^{2,3,4}ZikriaSaleem. 2019. Post-surgical Antibiotic Prophylaxis: Impact of Pharmacist's Educational Intervention on Appropriate Use of Antibiotics. Journal of Infection and Public Health. (Impact factor = 2.5)
- ¹Zaida JAVAID, ²Unaiza IMTIAZ, ²Imtiaz KHALID, *¹Hamid SAEED, ¹Rehana Qadir KHAN, ¹Muhammad ISLAM, ¹Zikria SALEEM, ³Farhan SOHAIL, ¹Zeeshan DANISH, ⁴Farah BATOOL. 2019. A Randomized Control Trial of Primary Care-based Management of Type 2 Diabetes by a Pharmacist. BMC Health Services Research. (Impact factor = 2)
- Muhammad F. Rasool, Sundus Khalid, Abdul Majeed, Hamid SAEED, Imran Imran, Mohamed Mohany, Salim S. Al-Rejaie, Faleh Alqahtani. 2019. Development and Evaluation of Physiologically Based Pharmacokinetic Drug–Disease Models for Predicting Rifampicin Exposure in Tuberculosis and Cirrhosis Populations. <https://doi.org/10.3390/pharmaceutics11110578>. Pharmaceutics (Impact factor = 4.8)
- Zikria Saleem, Hamid SAEED, Mohamed Azmi Hassali, Brian Godman, Usama Asif, Mahrukh Yousaf, Zakiuddin Ahmed, Humayun Riaz, Syed Atif Raza. 2019. Pattern of inappropriate antibiotic use among hospitalized patients in Pakistan: A longitudinal surveillance and implications. BMC Antimicrobial Resistance and Infection Control. (Impact factor = 3.6)
- Hamid Saeed. 2019. Prevalence of Metformin Induced Gastrointestinal Problems. Acta Polonicae Pharmaceutica – Drug Research (Impact factor = 0.5)

Dr. Muhammad Islam

- Muhammad Islam, Naureen Shehzadi, Muhammad Salman, Fakhra Zahid, Zeeshan Danish, Hamid Saeed, Furqan Khurshid Hashmi, Humaira Majeed Khan, Muhammad T. Khan, Nadeem I. Bukhari, Khalid Hussain. Metabolomics and marker-based stability studies of methanol extract of seeds of *Syzygium cumini* L. Pakistan Journal of Pharmaceutical Sciences, 2019, 32(2), 499-504. (IF 0.682).

Dr. Amjad Hussain

- Muhammad Sohail Arshad, Sana Hassan, Amjad Hussain, Nasir Abbas, Israfil Kucuk, Kazem Nazari, Radeyah Ali, Suleman Ramzan, Ali Alqahtani, Eleftherios G. Andriotis, Dimitris G. Fatouros, Ming-Wei Chang, Zeeshan Ahmed. 2019. Improved Transdermal Delivery of Cetirizine Hydrochloride Using Polymeric Microneedles. DARU Journal of Pharmaceutical Sciences. <https://doi.org/10.1007/s40199-019-00301-3>.



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Dr. Nasir Abbas

- Nasir Abbas^{a*}, Nadia Qamar^a, Muhammad Irfan^b, Amjad Hussain^a, Muhammad Sohail Arshad^c, Sumera Latif^a, Faisal Mehmood^a, Muhammad Usman Ghori^d. 2019. Personalized 3D Printed Ciprofloxacin Impregnated Meshes for the Management of Hernia. *Journal of Drug Delivery Science and Technology*.
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Dr. Pervaiz Akhtar Shah

- Nazia Hassan, Sumera Latif^{*}, Hafsa Afzal, N. Abbas¹, Suriya Naheed, Rabia Khokar² and A. Shah¹. 2019. Taste Masking of Levofloxacin by Microparticulate System Using Emulsion Solvent Evaporation Technique. *Indian J Pharm Sci* 2019;81(5):843-850.
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Dr. Rahat Shamim

- Amna Hafeez, Ummarah Kanwal, Rahat Shamim, Fatima Rasool, Malia Pervaiz, Aatqa Rauf, Imran Tariq, Nasir Abbas, Khalid Hussain & Nadeem I. Bukhari. 2019. Pediatric Oral Suspension of Taste-Masked Sodium Benzoate Microspheres: Central Composite Design Based Optimization. *Latin American Journal of Pharmacy*. 38(12), 2352-62



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Prof. Dr. Khalid Hussain

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Prof. Dr. Hamid Saeed

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Dr. Muhammad Islam

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Dr. Amjad Hussain

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Dr. Nasir Abbas

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Dr. Pervaiz Akhtar Shah

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Dr. Naureen Shahzadi

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**Mr. Ejaz Ali**

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

Prof. Dr. Nadeem Irfan Bukhari

- In-vitro equivalence: a possible alternative to Bioequivalence. 1st national conference on Recent Advancements in Pharmaceutical Sciences at College of Pharmacy University of Sargodha 7-8 March 2018.

Prof. Dr. Hamid Saeed

- Hamid Saeed (2019), invited speaker. Clinical Efficacy of Various Anti-hypertensive Regimens in Hypertensive Women of Punjab. 3rd International Conference on Recent Advancement in Pharmaceutical Research and Drug Delivery, February 19 – 20, 2019, Quaid-e-Azam University of Islamabad, Pakistan
- Hamid Saeed (2018). Post-surgical Antibiotic Prophylaxis: Impact of Pharmacist's Educational Intervention on Appropriate Use of Antibiotics. International Conference on Chemical and Pharmaceutical Sciences, Recent Approaches in Research and Applications, January 17 – 19, 2018, Forman Christian College Lahore, Pakistan

Dr. Amjad Hussain

- Effect of co-formers on the release of theophylline from Hydroxypropyl cellulose based microcapsules. CRS annual (46th) meeting and exposition 2019 organized by Controlled Release Society. Valencia Spain, July 2019.
- International Conference of Drug delivery. 3D Printing of pharmaceuticals – A way forward to customized drug delivery. University of Faisalabad, Faisalabad, Lahore.
- 8th invention to innovation summit organized by ORIC University of the Punjab. Exploring the 3D Printing: A New Era in Development of Patient Specific Pharmaceuticals. University of the Punjab, Lahore.
- 6th Rashid Latif Medical and Pharmacy Conference. 3D Printing - A New Horizon in the customized delivery of Pharmaceuticals. Rashid Latif Pharmacy College, Lahore
- International Pharmacy Conference (IPC-2019). Addressing the challenge of Poor Solubility of BCS class II drugs – An overview of strategies and techniques. Bahauddin Zakariya University, Multan
- Pak Lab Expo 2018, Pakistan 2nd international Laboratory and analytical equipment Exhibition. Importance of particle size in solid state characterization. Expo Center Lahore, Pakistan



Dr. Nasir Abbas

- 8th Invention to Innovation Summit, April 2019, University of the Punjab, Lahore, Pakistan. (Participant)
- Controlled Release Society Annual Meeting & Exposition, 2019, Valencia Spain. (Poster presentation).
- 2nd International Pharmaceutics Conference (IPC), BahaudinZakiria University, Lahore Chapter, Pakistan. (Poster presentation).
- 2nd International Pharmaceutics Conference (IPC), BahaudinZakiria University, Multan Chapter, Pakistan, Feb, 2019. (Invited speaker).
- 1st Seminar on Development of Herbal Medicines using Green Extraction and Standardization Methods, University College of Pharmacy, University of the Punjab, Lahore. (Participant)
- FIP World Congress, Glasgow, UK. (Poster presentation).
- 9th International Pharm Sci Conference, APS @ FIP Glasgow, UK. (Poster presentation).

Dr. Pervaiz Akhtar shah

- 6th international conference on Recent Advance in medical science. March 29 2019. Rashid latif medical college Lahore.
- 4th international conference on sustainable developmental growth goal through integrated health care on 5th November 2019 at Rashid Latif medical college Lahore.

RESEARCH COLLABORATIONS

○ *Indigenous*

Hospital and Research Center

○ *Foreign Linkages*

- De Mont Fort University, UK
- Professor Moustapha Kassem, KMEB Lab, Odense University Hospital, University of Southern Denmark.

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 it's M.Phil. programme to offer state-of-the art programmes (Microelectronics and



Nanotechnology) in Pakistan. Research Collaborations with UET (Lahore), IUB (Bahawalpur), BZU (Multan), LCWU (Lahore), FCC(Lahore) and NCP (Islamabad) in the country are established. Internationally collaborations with Chinese Academy of Science Beijing (China), Laser Centre UTM (Malaysia), Institute of Electronics York University York (UK) are established. In Pakistan the Centre offers analytical facilities to MS/Ph.D. students of the Universities mentioned.

○ **Projects: Newly Launched**

Sr. No.	Project	Duration	Sponsoring Agency	Funding
1	II-VI semiconductor nanostructure growth by using Chemical Vapor Deposition	1 Year	HEC	HEC
2	Fabrication and Characterisation of High Efficiency Nano-Material based Solar Cells	2 Years	HEC	HEC
3	Preparation and characterization of Rare earth doped nanostructured III-V semiconductors materials for temperature in sensitive advance optoelectronics applications at COE in Solid State Physics	3 Years	HEC	HEC
4	Fabrication of Superhydrophobic Coating on Textiles using Metallic Nanoparticles for Self-Cleaning and Antibacterial Applications	3 Years	HEC	HEC

○ **Publications**

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Influence of organic pH dyes on the structural and optical characteristics of silica nanostructured matrix for fiber optic sensing
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- SB. Bukhari, M. Imran, M. Bashir, S. Riaz and S. Naseem
Room temperature stabilized TiO₂ doped ZrO₂ thin films for teeth coatings–A sol-gel approach
Journal of Alloys and Compounds, 767, 2018, 1238 3.779
- ZH .Shah, S. Riaz, S. Atiq and S. Naseem
Tunable Structural and Electrical Impedance Properties of Ordered and Disordered Iron Oxide Phases for Capacitive Applications
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- M. Imran, A. Akbar, S. Riaz, S. Atiq and S. Naseem
Electronic and Structural Properties of Phase-Pure Magnetite Thin Films: Effect of Preferred Orientation
Journal of Electronic Materials, 47 (11), 2018, 6613 1.566
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Role of Barium Substitution on Oxygen Vacancy Reduction in BiFeO₃ Thin Films
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Materials Science and Engineering-B, 243, 2019, 19 3.507
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growth of hierarchical flowerlike nanostructures of Co/Ni ferrites and their
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Superlattices and Microstructures 132, 2019, 106159 2.385
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Preparation and characterization of dip coated cobalt oxide thin films
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Structural, magnetic and electrical study of rare earth doped Y- type hexaferrites
Journal of Materials Science: Materials in Electronics, 30, 2019, 6708 2.195

RESEARCH COLLABORATION

○ Indigenous

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

○ Foreign

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

CENTRE FOR HIGH ENERGY PHYSICS

○ Research Publications

Sr. No.	Name of Faculty Member / Co-authors	Title of Research Paper	Name of Publishing Journal
1	Prof. Dr. Bilal Masud Dr. Faisal Akram Dr. M. Atif Sultan	Conventional and Hybrid Bc Mesons in an Extended Potential Model	The European Physical Journal A
2	Dr. Irfan Mahmood	Investigations of physical aspects of spinel ABi ₂ O ₄ (A=Zn, Cd) oxides via ab-initio calculations,	Physics Letters A.
3	Dr. Rashid Ahmed	Dimensionality reduction of germanium selenide for high-efficiency thermoelectric applications	Ceramics International
4	Dr. Rashid Ahmed	Highly absorbent cubic structured Silicon-monochalcogenides: Promising materials for photovoltaic applications	Ceramics International
5	Dr. Rashid Ahmed	Structural, electronic, optical and elastic properties of layered rhombohedral compounds ALaSe ₂ (A=K, Rb): Insights from an <i>ab initio</i> study,	International Journal of Modern Physics B



6	Dr. Rashid Ahmed	Ab initio calculations of antimony sulphide nanowire 557 (2019) 17	Physica B: Condensed Matter
7	Dr. Rashid Ahmed	Insight into the structural, elastic and electronic properties of tetragonal inter-alkali metal chalcogenides CsNaX ($\text{X}=\text{S}, \text{Se}, \text{and Te}$) from first-principles calculations,	Materials Chemistry and Physics
8	Dr. Rashid Ahmed	$\text{Sb}_2\text{Te}_3/\text{graphene}$ heterostructure for broadband photodetector: A first-principles calculation at the level of Cooper's exchange functionals,	Optik International journal for Light and Electron Optics
9	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Search for the decay $\eta' \rightarrow \gamma\gamma\eta$	Phys. Rev. D 100 , 052015 (2019) - Published 30 September 2019
10	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $\psi(3686) \rightarrow \Xi(1530)^- \bar{\Xi}(1530)^+$ and $\Xi(1530)^- \bar{\Xi}^+$	Phys. Rev. D 100 , 051101(R) (2019) - Published 26 September 2019
11	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $\eta_c \rightarrow \omega\omega$ in $J/\psi \rightarrow \gamma\omega\omega$	Phys. Rev. D 100 , 052012 (2019) - Published 23 September 2019
12	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Complete Measurement of the Λ Electromagnetic Form Factors	Phys. Rev. Lett. 123 , 122003 (2019) - Published 20 September 2019
13	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Study of the decays $\psi(3686) \rightarrow \gamma\chi_{cJ} \rightarrow \gamma^* pK^* + \Lambda + c.c.$ and $\psi(3686) \rightarrow \bar{p}K^* + \Lambda + c.c.$	Phys. Rev. D 100 , 052010 (2019) - Published 19 September 2019
14	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Amplitude Analysis of $D+s \rightarrow \pi^+\pi^0\eta$ and First Observation of the W-Annihilation Dominant Decays $D+s \rightarrow a_0(980)^+\pi^0$ and $D+s \rightarrow a_0(980)^0\pi^+$	Phys. Rev. Lett. 123 , 112001 (2019) - Published 12 September 2019
15	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Cross section measurements of $e^+e^- \rightarrow K^+K^-K^+K^-$ and ϕK^+K^- at center-of-mass energies from 2.10 to 3.08 GeV	Phys. Rev. D 100 , 032009 (2019) - Published 30 August 2019
16	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Partial-wave analysis of $J/\psi \rightarrow K^+K^-\pi^0$	Phys. Rev. D 100 , 032004 (2019) - Published 14 August 2019
17	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $e^+e^- \rightarrow \pi^+\pi^-\psi(3770)$ and $D_1(2420)^0 D^0 + c.c.$	Phys. Rev. D 100 , 032005 (2019) - Published 13 August 2019



18	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurements of the branching fractions of $\eta c \rightarrow K+K-\pi^0$, $K^0 S K \pm \pi^\mp$, $2(\pi+\pi-\pi^0)$, and p^-p	Phys. Rev. D 100 , 012003 (2019) - Published 22 July 2019
19	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of $\psi(3686) \rightarrow p^- p \phi$	Phys. Rev. D 99 , 112010 (2019) - Published 27 June 2019
20	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation and study of the decay $J/\psi \rightarrow \phi \eta \eta'$	Phys. Rev. D 99 , 112008 (2019) - Published 18 June 2019
21	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Study of $e+e- \rightarrow \gamma \omega J/\psi$ and Observation of $X(3872) \rightarrow \omega J/\psi$	Phys. Rev. Lett. 122 , 232002 (2019) - Published 14 June 2019
22	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Study of the decays $D+s \rightarrow K^0 S K^+$ and $K^0 L K^+$	Phys. Rev. D 99 , 112005 (2019) - Published 12 June 2019
23	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Search for heavy Majorana neutrino in lepton number violating decays of $D \rightarrow K \pi e^+ e^-$	Phys. Rev. D 99 , 112002 (2019) - Published 6 June 2019
24	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Amplitude analysis and branching fraction measurement of $D^0 \rightarrow K^- \pi^+ \pi^0 \pi^0$	Phys. Rev. D 99 , 092008 (2019) - Published 31 May 2019
25	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of the Decay $X(3872) \rightarrow \pi^0 \chi_{c1}(1P)$	Phys. Rev. Lett. 122 , 202001 (2019) - Published 23 May 2019
26	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Cross section measurements of $e+e- \rightarrow \omega \chi_{c0}$ from $\sqrt{s}=4.178$ to 4.278 GeV	Phys. Rev. D 99 , 091103(R) (2019) - Published 16 May 2019
27	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of the W-annihilation decay $D+s \rightarrow \omega \pi^+$ and evidence for $D+s \rightarrow \omega K^+$	Phys. Rev. D 99 , 091101(R) (2019) - Published 13 May 2019
28	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Study of the process $e+e- \rightarrow p^- p$ via initial state radiation at BESIII	Phys. Rev. D 99 , 092002 (2019) - Published 10 May 2019
29	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	First observations of $h c \rightarrow$ hadrons	Phys. Rev. D 99 , 072008 (2019) - Published 24 April 2019



30	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Precision measurements of the $e+e-\rightarrow K^0S K^{\pm}\pi^{\mp}$ Born cross sections at center-of-mass energies between 3.8 and 4.6 GeV	Phys. Rev. D 99 , 072005 (2019) - Published 11 April 2019
31	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Precision Measurement of the Branching Fractions of η' Decays	Phys. Rev. Lett. 122 , 142002 (2019) - Published 9 April 2019
32	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Search for the decay $D+s\rightarrow\gamma e+ve$	Phys. Rev. D 99 , 072002 (2019) - Published 9 April 2019
33	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurement of the branching fraction of $J/\psi\rightarrow\omega\eta'\pi^+\pi^-$ and search for $J/\psi\rightarrow\omega X(1835)$, $X(1835)\rightarrow\eta'\pi^+\pi^-$ decay	Phys. Rev. D 99 , 071101(R) (2019) - Published 5 April 2019
34	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Search for rare decay $J/\psi\rightarrow\phi e+e-$	Phys. Rev. D 99 , 052010 (2019) - Published 26 March 2019
35	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurement of the Dynamics of the Decays $D+s\rightarrow\eta(')e+ve$	Phys. Rev. Lett. 122 , 121801 (2019) - Published 25 March 2019
36	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of $\chi_{cJ}\rightarrow 4K^0S$	Phys. Rev. D 99 , 052008 (2019) - Published 22 March 2019
37	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Evidence of a Resonant Structure in the $e+e-\rightarrow\pi^+D^0D^{*-}$ Cross Section between 4.05 and 4.60 GeV	Phys. Rev. Lett. 122 , 102002 (2019) - Published 15 March 2019
38	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Study of electromagnetic Dalitz decays $\chi_{cJ}\rightarrow\mu^+\mu^-J/\psi$	Phys. Rev. D 99 , 051101(R) (2019) - Published 11 March 2019
39	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Determination of the Pseudoscalar Decay Constant f_{D+s} via $D+s\rightarrow\mu^+\nu_{\mu}$	Phys. Rev. Lett. 122 , 071802 (2019) - Published 22 February 2019
40	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurement of the absolute branching fractions of $\Lambda^+c\rightarrow\Lambda\eta\pi^+$ and $\Sigma(1385)^+\eta$	Phys. Rev. D 99 , 032010 (2019) - Published 19 February 2019
41	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	First Measurement of the Form Factors in $D+s\rightarrow K^0e+ve$ and $D+s\rightarrow K^{*0}e+ve$ Decays	Phys. Rev. Lett. 122 , 061801 (2019) - Published 15 February 2019



42	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $D^+s \rightarrow p^- n$ and confirmation of its large branching fraction	Phys. Rev. D 99 , 031101(R) (2019) - Published 15 February 2019
43	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $\psi(3686) \rightarrow p^- p \eta'$ and improved measurement of $J/\psi \rightarrow p^- p \eta'$	Phys. Rev. D 99 , 032006 (2019) - Published 15 February 2019
44	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $D^+ \rightarrow f_0(500) e^+ \nu_e$ and Improved Measurements of $D \rightarrow p e^+ \nu_e$	Phys. Rev. Lett. 122 , 062001 (2019) - Published 13 February 2019
45	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Measurements of the absolute branching fractions and CP asymmetries for $D^+ \rightarrow K^0 S, LK^+(\pi^0)$	Phys. Rev. D 99 , 032002 (2019) - Published 6 February 2019
46	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Measurement of $e^+e^- \rightarrow K^+K^-$ cross section at $\sqrt{s} = 2.00 - 3.08$ GeV	Phys. Rev. D 99 , 032001 (2019) - Published 4 February 2019
47	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of $e^+e^- \rightarrow \eta Y(2175)$ at center-of-mass energies above 3.7 GeV	Phys. Rev. D 99 , 012014 (2019) - Published 31 January 2019
48	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Observation of OZI-suppressed decays $\chi_{CJ} \rightarrow \omega \phi$	Phys. Rev. D 99 , 012015 (2019) - Published 31 January 2019
49	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Measurement of $B(J/\psi \rightarrow \eta' e^+ e^-)$ and search for a dark photon	Phys. Rev. D 99 , 012013 (2019) - Published 28 January 2019
50	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Study of the decay $D^0 \rightarrow \bar{K}^0 \pi^- e^+ \nu_e$	Phys. Rev. D 99 , 011103(R) (2019) - Published 25 January 2019
51	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Search for a strangeonium-like structure Z_s decaying into $\phi \pi$ and a measurement of the cross section $e^+e^- \rightarrow \phi \pi \pi$	Phys. Rev. D 99 , 011101(R) (2019) - Published 18 January 2019
52	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Study of the $D^0 \rightarrow K^- \mu^+ \nu_\mu$ Dynamics and Test of Lepton Flavor Universality with $D^0 \rightarrow K^- \ell^+ \nu_\ell$ Decays	Phys. Rev. Lett. 122 , 011804 (2019) - Published 10 January 2019
53	Dr. Talab Hussain Dr. Abrar A. Zafar Dr. Qadeer Afzal Malik BESIII Collaboration	Measurements of $e^+e^- \rightarrow K^0 S K^\pm \pi^\mp \pi^0$ and $K^0 S K^\pm \pi^\mp \eta$ at center-of-mass energies from 3.90 to 4.60 GeV	Phys. Rev. D 99 , 012003 (2019) - Published 9 January 2019



54	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Study of the Dalitz decay $J/\psi \rightarrow e+e-\eta$	Phys. Rev. D 99 , 012006 (2019) - Published 9 January 2019
55	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic $\Lambda+c$ Decay	Phys. Rev. Lett. 121 , 251801 (2018) - Published 18 December 2018
56	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Dalitz plot analysis of the decay $\omega \rightarrow \pi+\pi-\pi^0$	Phys. Rev. D 98 , 112007 (2018) - Published 18 December 2018
57	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of $D^0(+)\rightarrow K^0S\pi^0(+)\eta'$ and improved measurement of $D^0\rightarrow K-\pi+\eta'$	Phys. Rev. D 98 , 092009 (2018) - Published 14 November 2018
58	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Measurement of the Branching Fraction For the Semileptonic Decay $D^0(+)\rightarrow \pi-(0)\mu+\nu\mu$ and Test of Lepton Flavor Universality	Phys. Rev. Lett. 121 , 171803 (2018) - Published 26 October 2018
59	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Observation of $h_1(1380)$ in the $J/\psi \rightarrow \eta' K^- K^+ \pi$ decay	Phys. Rev. D 98 , 072005 (2018) - Published 18 October 2018
60	Dr. TalabHussain Dr. Abrar A. Zafar Dr. QadeerAfzal Malik BESIII Collaboration	Amplitude analysis of the KS _{KS} system produced in radiative J/ψ decays	Phys. Rev. D 98 , 072003 (2018) - Published 12 October 2018

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

- Dr. Bilal Masud delivered a lecture on QCD (Quantum Chromodynamics) as invited speaker in 8th School on LHC Physics-2019 at National Center for Physics (NCP), Islamabad, August 19-30, 2019.
- Dr. Bilal Masud delivered a talk on QCD (Quantum Chromodynamics) as invited speaker in International School on Physics & Allied Disciplines (ISPAD) – 2019, National Center for Physics (NCP), Islamabad, 11 - 15 March, 2019.
- Dr. Maqsood Ahmad participated in International Conference on Recent Advances in Material Science and Photo-Catalysis at University of Lahore, Lahore as member of Scientific Committee, October 28-30, 2018.
- Dr. Rashid Ahmad participated in International Conference on Recent Advances in Material Science and Photo-Catalysis at University of Lahore, Lahore as member of Scientific Committee, October 28-30, 2018.
- Dr. Faisal Akram delivered a talk as invited speaker in Workshop; First school on advanced topics on particle physics NCP, Islamabad, September 02-20, 2019.
- Dr. Faisal Akram delivered a talk as invited speaker in 8th LHC school on high energy physics NCP, Islamabad, August, 19-30, 2019.



- Dr. Faisal Akram delivered a talk as invited speaker in First international school on physics and allied disciplines NCP, Islamabad 11/03/2019 to 15/03/2019.
- Dr. Faisal Akram delivered a talk as invited speaker in 16th National symposium on frontiers in physics GCU, Lahore, 29/01/2019 to 31/01/2019.
- Dr. Talab Hussain gave a talk as invited speaker, titled: “GEANT4 and the Scientific Globe” in International Conference on Recent Advances in Material Science and Photo-Catalysis at University of Lahore, Lahore, October 28-30, 2018.
- Dr. Talab Hussain participated in International Workshop on Computation in Particle Physics, April 14, 2019, as a speaker (title of talk: “Role of GEANT4 in Particle Physics”).
- Dr. Abrar Ahmad Zafar participated in International Conference on Recent Advances in Material Science and Photo-Catalysis at University of Lahore, Lahore, October 28-30, 2018.
- Dr. Abrar Ahmad Zafar participated in International Workshop on Computation in Particle Physics, University of Lahore, Lahore, April 14, 2019.
- Dr. Irfan Mahmood presented a paper in SCGP, Stony Brook University, New York, USA: School on Integrability in field theory and Statistical Physics 09 -25 November 2018.
- Rahila Manzoor (PhD student of Dr. Talab Hussain) presented her PhD research work titled: “*Study of $(J/\psi, \psi(2S)) \rightarrow \Lambda \bar{\Lambda} K_S^0$* ” in BESIII Charmonium Group Meeting on April 10, 2019.
- Aneela Amin (PhD completed under supervision of Dr. Talab Hussain) presented her research work titled: “*Study of $(J/\psi, \psi(2S)) \rightarrow P \bar{P} K_S^0$* ”, in BESIII Charmonium Group Meeting on April 17, 2019.
- Aamir Khalid (PhD student of Dr. Talab Hussain) presented his research work titled: “*Analysis of $e^+e^- \rightarrow \Lambda \bar{\Lambda} \phi^0$* ” in BESIII Charmonium Group Meeting on April 10, 2019.
- Tasawer Shehzad (PhD Defense completed, student of Dr. Talab Hussain), presented his research work titled: “*Study of $(J/\psi, \psi(2S)) \rightarrow \Delta^{++} \bar{\Delta}^{--}$* ”, in BESIII Charmonium Group Meeting on April 17, 2019.

RESEARCH COLLABORATION

○ Foreign Linkages

Centre for High Energy Physics, University of the Punjab, is member of Beijing Spectrometer III (BESIII) Collaboration. CHEP faculty members: Dr. Talab Hussain, Dr. Abrar Ahmed Zafar and Dr. Qadeer Afzal Malik continued the collaborative research activities in this regard.

Dr. Bilal Masud and Dr. Faisal Akram continued collaborative research with the following researchers abroad:

- Dr. Eric Swanson, Pittsburg University, USA.
- Dr. Sadataka Furui, School of Science and Engineering, Teikyo University, Utsunomiya, Japan.



- Dr. Adnan Bashir, Universidad Michoacana, Morelia, Mexico.
- Dr. Arfin Lodhi, Research Professor, Texas Tech University, Physics Department, USA

Dr. Irfan Mahmood continued collaborative research with the following researchers:

- Dr. Vladimir Roubtsov, Dr. Mattia Coffaso, Department of Mathematics, 1-LAREMA, CNRS, France
- Prof. Vladimir Retakh, Department of Physics, Rutgers University, USA

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Research and Development - 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

- Strategic management framework of mountain resources for sustainable development in Upper Indus Basin, Pakistan” Submitted for grant form HEC under the scheme of National Research Program for Universities (NRPU). P.I: Prof. Dr. Munawar Sabir
- Strategic flood risk management by integrated hydro-geomorphological approach for mountainous catchments in Upper Indus Basin Pakistan. Submitted for grant form HEC under the scheme of National Research Program for Universities (NRPU). P.I: Engr. Dr. Muhammad Yaseen.
- Quantitative appraisal of mountainous catchments characteristics and their implications for hydrologic processes in Upper Indus Basin Pakistan. Submitted in University of the Punjab P.I: Engr. Dr. Muhammad Yaseen.
- Climate extremes and its implications on hydrological extremes in Upper Indus Basin, Pakistan. Submitted in University of the Punjab P.I: Prof. Dr. Munawar Sabir
- Amplification of Environmental appraisal coordination at General Hospital, Lahore and their implications for evolution in Management Review. Submitted in University of the Punjab P.I: Ms. Bushra Zia Khan

M.Sc/M.Phil/ Ph.D Research Projects

- Ecotourism: A Tool to Revitalizing the Socio-ecological Production Landscapes for Creating Resilient and Sustainable Communities of Salt Range Wetlands Complex, Punjab, Pakistan



- Strategic management Agricultural Landuse plan under changing climate of Dera Ghazi Khan, Pakistan
- Urbanization as Base of Economic Development in Pakistan.(A case study of metropolitan cities).
- Spatio-temporal evolution of climatic change in response of rapid urbanization in Lahore (1998-2017)
- Assessment of water sustainability under the umbrella of climate change over the northwest Himalayas
- Modeling the impacts of climate change on glacier mass balance and geometry by integrated Remote Sensing and GIS based hydrological model in Upper Indus Basin-Pakistan
- Strategic flood risk management by integrated hydro-geomorphological approach for mountainous catchments in Upper Indus Basin Pakistan
- GIS Based Structure Planning for Integrated Water Resource Management in Gilgit City
- Water Governance under Climate change and uncertainty in selected Himalayan towns
- Exploration of Groundwater Resources using Electric Resistivity Sounding Survey Technique for Agriculture Development in Tribal Areas of Dera Ghazi Khan
- Vulnerability assessment of Motorway (M2) and Express Highway (N75), Punjab, Pakistan
- Cumulative impacts assessment & management of proposed Chiniot dam, Kirana Hill, Punjab-Pakistan
- Integrated Database Management System for Disasters along southern front of Hamalya
- The critical analysis of implementation of environmental management plan at Neelum Jhelum Hydropower Project
- Assessment of Land Use Potential For Sustainable Agriculture Development, Dour River basin KPK, Pakistan
- Land Resource Management for Food Security in Quetta Valley Balochistan
- climate change impact on the forest cover, Swat River Basin, Northern Pakistan
- SWOT analysis towards willingness to pay for ecotourism as resources conservation at soon valley, Pakistan
- Geo-spatial techniques for Disaster Risk Reduction and Management of Proposed Chiniot Dam Project, Kirana Hill, Punjab-Pakistan
- The spatial assessment of the hydrological indicators and their impact on the ecological perturbation of Mangla Watershed, Pakistan
- 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.
- Climate change and its impact on landuse and streamflow in Pothwar region, 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
- SWOT modeling for land degradation and its impacts on socio-economic scenario, Muzaffarabad, Azad Jammu and Kashmir
- Role of eco-tourism for sustainable development in Neelum Valley, AJK Pakistan
- An appraisal of hydrological drought under changing climate in Upper Indus Basin, Pakistan
- Habitat Suitability Modeling for Indian Pangolion in Chakwal District-Punjab
- Evaluation of morphometric parameters and their implications for hydrologic processes in mountainous catchments of Upper Indus Basin Pakistan
- Climate Change Impacts on Glacier and Snowmelt Runoff of Mountainous Catchment using Remote Sensing and Snow Runoff Modelling – Case Study Gilgit Baltistan
- Integrated Land and Water Resources Management for Food Security and Environmental Sustainability in mountainous region of Pakistan
- Role of forestry in sustainable development in socio economic uplift of the farming community of Soon Valley, Punjab-Pakistan
- Estimation of above ground forest biomass in Nalter Valley of Gilgit Baltistan (REDD+)
- Assessment and monitoring of Agriculture drought by using Remote Sensing and GIS techniques in Pothwar region of Pakistan
- Monitoring and Assessment of Soil Loss in Soan River Basin by the integration approach of RS and GIS based hydrological model
- Mapping and Prediction of Ground Water Potential Zones for the Sustainability of Ground Water Resources by Integrated approach RS and GIS
- Hazard Risk modelling of Glacial Lake Outburst under changing climate in Upper Indus Basin, Pakistan
- Assessment of Potential Water Harvesting Sites by Using RS & GIS Techniques in Pothwar Region, Pakistan
- Solid waste and its impacts on climate change through GHG emission and sustainable waste management in Lahore region, Punjab-Pakistan
- Estimation of geomorphological and hydro-climatic characteristics of mountainous watersheds using integrated approach of remote sensing and GIS.
- Appraisal of shared water basins characterization along Pakistan-India/ China in Upper Indus Basin using integrated remote sensing and GIS techniques
- Evaluation the influence of DEM spatial resolutions on the estimation of the physical characteristics of watersheds
- Estimation of recent water yield for the mountainous catchments of Upper Indus Basin, Pakistan



- Assessment of snow cover variation under changing climate in snow covered mountainous catchments of Upper Indus Basin, Pakistan
- Geospatial techniques for assessment of potential rainwater harvesting sites for farming system development in hilly watersheds
- Appraisal of Pak-Afghan shared water basins characterization using integrated remote sensing and GIS techniques
- Geospatial technique for runoff estimation of potential rainwater harvesting sites based on SCS-CN method
- Anam Ashiq, 2017-2019. Meteorological and hydrological drought risk assessment in mountainous catchments of Pakistan
- Detection of spatio-temporal variability in trans-boundary river flows of Pakistan
- Identification of spatio-temporal variation in land cover of mountainous catchments
- Temporal and spatial variations of high flows regimes and timing in river flows of mountainous catchments (a case study of Upper Indus Basin).
- Zohrah, 2017-2019. Impact of climate change on snow melt runoff in Gilgit basin.
- Integrated land and water resources management for food security and sustainable resource management in Chakwal.
- Assessment of water quality of selected reach of the Soan River at spatio-temporal scale

○ Publications

- Latif, Y., Yaoming, M., **Yaseen, M.**, Sher M., and Wazir, M.A.; (2019). "Spatial analysis of temperature time series over the Upper Indus Basin (UIB) Pakistan". Theoretical and Applied Climatology, <https://doi.org/10.1007/s00704-019-02993-8>.
- Ijaz Ahmad, I., Ahmed, S.M., Mahmood, S., Afzal, M., **Yaseen, M.**, Saleem, M., and Rizwan, M.; (2019): "To develop a crop water allocation model for optimal water allocation in the warabandi irrigation system." Arabian Journal for Science and Engineering. Volume 44, Issue 10, pp 8585–8598.
- Azam, M.I., Bhatti, M.B., Xiaotao, S., Guo, J., Afzal, M. and **Yaseen, M.** (2018). "Flood occurrence exploration for ungauged river catchment at Jhelum river basin of Pakistan". International Journal of Hydrology. 2(4):520-526
- Shehzad, T., M. Yaseen, M., Afzal, M., Khan, K., Rizwan, M.A., Ahmad, S.R., and Bhatti, H.A. (2018). "Performance evaluation of sodium bentonite material for seepage control in irrigation channels". Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan. Vol. 22 No. I.
- Yaseen, M, Nasir, B, Azam, M.I, Rehman, M.H., and Ahmed, I.; (2018): "Evaluation of suitable design flood frequency approaches for the mountainous watersheds (a case study of Upper Indus Basin)". International Conference on Hydropower: A Vital Source of Sustainable Energy for Pakistan. CEWRE-UET. Lahore. December 19-20, 2018.



- Yaseen, M., Naveed, M., KaleemSarwar, M. K., Rehman, M. H. and Azam, M. I.; (2018): “Selection of Best Diversion Facility for the Construction of Kohala Hydropower Dam”. International Conference on Hydropower: A Vital Source of Sustainable Energy for Pakistan. Organized by Centre of Excellence in Water Resources Engineering, University of Engineering and Technology, Lahore Pakistan. December 19-20, 2018.
- **Book /Book Chapters**

Latif, Y., Yaoming, M., Ma W., Sher M., and **Yaseen, M.**; (2019): “Snowmelt Runoff Simulation During Early 21st Century Using Hydrological Modelling in the Snow-Fed Terrain of Gilgit River Basin (Pakistan)”. In: Chaminé H., Barbieri M., Kisi O., Chen M., Merkel B. (eds) *Advances in Sustainable and Environmental Hydrology, Hydrogeology, Hydrochemistry and Water Resources. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development)*. Springer, Cham
- **Conferences, Seminars and Workshops**

National Conferences/Workshops

 - Five days training course on “Groundwater Modelling and Management” organized by the Centre of Excellence in Water Resources Engineering, UET, Lahore, November 29 to December 03, 2016.
 - Two day International Conference on “Hydropower: A Vital Source of Sustainable Energy for Pakistan” organized by the Centre of Excellence in Water Resources Engineering, UET, Lahore, December 19-20, 2018.
 - Four days training course on “Multi Sector Preparedness Training” organized by the Pakistan Emergency and Stabilization Support Unit, International Organization for Migration, Islamabad – Pakistan with collaboration of Punjab Disaster Management Authority (PDMA), Lahore-Pakistan, November 05-08, 2018.
 - Five days training course on “Remote Sensing and Field-Based Glacier Monitoring” organized by the International Centre for Integrated Mountain Development (ICIMOD) with collaboration of “Global Change and Impact Study Centre” (GCISC) in Islamabad, November 16-20, 2019.
 - Organized and celebrated “International Mountain Day” on December 11, 2018.
 - One day workshop on “How to Prepare University Budget” from University of the Punjab, Lahore at Department of economics on April 03, 2019.
 - Three days training on “Shelter and Camp Coordination and Camp Management” organized by Natural Disaster Consortium (NDC), comprising of the International Organization for Migration (IOM), United Nation Children’s Fund (UNICEF), Food and Agriculture Organization (FAO), Agency for Technical Cooperation and development (ACTED), Health and Nutrition Development Society (HANDS) from 11th to 13th September, 2019.
 - One day Conference on “Roadshow on new R & D Framework” organized by Higher Education commission, PU, Lahore, November 23rd, 2019.



CENTRE FOR UNDERGRADUATE STUDIES

○ **Research & Development Overview**

Centre has produced 39 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. NajamulSeharAfshan	University of the Punjab	2,00,000	Botany
Dr. AroojNaseer	University of the Punjab	1,50,000	Botany
Dr. Amara Dar	University of the Punjab	1,50,000	Chemistry
Dr. ShabnamJaved	University of the Punjab	1,50,000	Chemistry
Dr. BushraNisar Khan	University of the Punjab	1,50,000	Zoology
Dr. Sadaf Aslam	University of the Punjab	1,50,000	Zoology
Dr. Robina Begum	University of the Punjab	1,50,000	Chemistry

Newly launched

Name of Researcher	Sponsoring Agency	Financial Support	Research Area
Dr. Najamul Sehar Afshan	Higher Education Commission of Pakistan (HEC)	4.68Million	Botany
Dr. ShabnamJaved	Higher Education Commission of Pakistan (HEC)	14 Million	Chemistry

○ **Publications**

Sr. No	Name of faculty members	Title of research paper	Name of publishing journal	Volume no./Page no.
01	Dr. Najamul Sehar Afshan	First report of <i>Melampsoradimorphospora</i> on white willow in Pakistan.	<i>Journal of Plant Pathology</i>	(2019), 101, Issue 1, 197–197 https://doi.org/10.1007/s42161-018-0147-2
02	Dr. Najamul Sehar Afshan	Review of The 11th International Mycological Congress (Imc11).	<i>Ciencia, Ambiente y Clima (Dominican Republic)</i>	(2018), 1(1): 71-73
03	Dr. Najamul Sehar Afshan	New reports of the plant pathogens <i>Aecidium viburni</i> and <i>Erysiphe viburni</i> on <i>Viburnum grandiflorum</i> from Pakistan.	<i>Mycotaxon</i>	(2018), 133: 551-557
04	Dr. Najamul Sehar Afshan	The genus <i>Coprinellus</i> (Basidiomycota; Agaricales) in Pakistan with the description of four new species.	<i>Myckeys</i>	(2018), 39: 41–61



05	Dr. Najamul Sehar Afshan	<i>Xanthagaricus pakistanicus</i> sp. nov. (Agaricaceae), the first report of the genus from Pakistan	<i>Turkish Journal of Botany</i>	(2018), 42: 123-133 © TÜBİTAK doi:10.3906/bot-1705-21
06	Dr. Najamul Sehar Afshan	Underexplored regions of Pakistan yield five new species of <i>Leucoagaricus</i>	<i>Mycologia</i>	(2018), 110 (2): 387-400. doi: 10.1080/00275514.2018.1439651
07	Dr. Najamul Sehar Afshan	The genus <i>Parasola</i> in Pakistan with the description of two new species.	<i>Myckeys</i>	(2018), 30: 41-60. doi: 10.3897/myckeys.30.21430
08	Dr. Amara Dar	Microwave Assisted Urea Modified Bengal Gram Husk for the Batch Wise Removal of Methylene Blue from Aqueous Medium	<i>Journal of Analytical and Environmental Chemistry</i>	(2018), 19(2)
09	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>	(2018), 50(2)
10	Dr. Bushra Nisar Khan	Assessment of Seasonal Distribution and Threats to Avian Fauna of Lahore Safari Zoo	<i>Pakistan Journal of Zoology</i>	(2018), 50(2)
11	Dr. Bushra Nisar Khan	Study of Vertebrate Diversity at Lal Suhanra National Park, Pakistan	<i>The Journal of Animal & Plant Sciences</i>	(2018), 28(6)
12	Dr. Bushra Nisar Khan	Diet Preferences and General Behavior of Peafowls in Captive Environment	<i>PU, Journal of Zoology</i>	(2018), (accepted)
13	Dr. Arooj Naseer	The Genus <i>Otidea</i> (Pezizales, Pyrenomataceae) from Pakistan.	<i>Sylwan</i>	2019, (145–155). http://sylwan.ibles.org/syl/journals/published/1570158488_HBy83.pdf
14	Dr. Arooj Naseer	First record of <i>Inocybe caroticolor</i> (<i>Inocybaceae</i>) from oak forests of Pakistan	<i>Mycotaxon</i>	134 (2), 241–251 https://doi.org/10.5248/134.241
15	Dr. Arooj Naseer	Two New Species Of <i>Hygrophorus</i> From Temperate Himalayan Oak Forests Of Pakistan.	<i>Myckeys</i>	(2019), 56, 33–47. http://10.3897/myckeys.56.30280
16	Dr. Arooj Naseer	<i>Hortiboletus kohistanensis</i> (Boletaceae), a new bolete species from temperate and subalpine oak forests of Pakistan	<i>Phytotaxa</i>	(2019), 388 (3): 239–246



17	Dr. Arooj Naseer	<i>Amanita subjunquillea</i> (<i>Amanitaceae</i>), a lethal mushroom and its ectomycorrhizal associate, newly reported from oak forest of Buner, Pakistan.	Mycotaxon	(2019), 134(3), 413–423. https://doi.org/10.5248/134.413
18	Dr. Robina Begum	Synthesis and characterization of poly(N-isopropyl methacrylamide-co-acrylic acid) microgels for in situ fabrication and stabilization of silver nanoparticles for catalytic reduction of o-nitroaniline in aqueous medium”	<i>Journal of Cleaner Production</i>	(2018), 132(1): 89-97
19	Dr. Robina Begum	Catalytic reduction of toxic dyes in the presence of silver nanoparticles impregnated core-shell composite microgels	<i>Macromolecular Chemistry and Physics</i>	(2018), 211: 855-864
20	Dr. Robina Begum	Silver Nanoparticles Engineered Polystyrene-poly(N-isopropylmethacrylamide-acrylic acid) Core Shell Hybrid Polymer Microgels for Catalytic Reduction of Congo Red	<i>Environmental Science and pollution research</i>	(2018), 219(18) : 180021
21	Dr. Robina Begum	Poly(N-isopropylmethacrylamide-acrylic acid) microgels as adsorbent for removal of toxic dyes from aqueous medium	<i>Journal of Molecular Liquids</i>	(2018) 268: 229-238
22	Dr. Robina Begum	Synthesis and characterization of pH-responsive organic-inorganic hybrid material with excellent catalytic activity	<i>Journal of Inorganic and Organometallic Polymers and Materials</i>	(2018), 28(5): 1872-1884
23	Dr. Robina Begum	Removal of Congo red dye from aqueous medium by its catalytic reduction using NaBH ₄ in the presence of	<i>Journal of Cleaner Production</i>	(2018),187(1): 296-307



		various inorganic nano-catalysts: A review		
24	Dr. Robina Begum	A systematic study for removal of heavy metals from aqueous medium using Sorghum bicolor: An efficient biosorbent	<i>Water Science and Technology,</i>	(2018), 17(10): 2355-2368
25	Dr. Robina Begum	Applications of UV/vis spectroscopy in characterization and catalytic activity of noble metal nanoparticles fabricated in responsive polymer microgels: A review	<i>Critical Reviews in Analytical Chemistry</i>	(2018), 48(6): 503-516
26	Dr. Robina Begum	Designed synthesis of silver nanoparticles in responsive polymeric system for their thermally tailored catalytic activity towards hydrogenation reaction	<i>The Korean Journal of Chemical Engineering,</i>	(2018), 35 (5): 1099-1107
27	Dr. Robina Begum	Synthesis and Characterization of inorganic-organic hybrid microgels for catalytic reduction of 4-nitroaniline in aqueous medium	<i>Polymer Composites</i>	(2018), 39(3): 645-653
28	Dr. Robina Begum	Advancement in Multi-Functional Poly(styrene)-Poly(Nisopropylacrylamide) Based Core Shell Polymer Microgels and their Applications	<i>Polymer Reviews</i>	(2018), 58(2): 288-325
29	Dr. Robina Begum	Engineering of responsive polymer based nano-reactors for facile mass transport and enhanced catalytic degradation of 4-nitrophenol	<i>Journal of Environmental Sciences</i>	(2018), 72(1): 43-52
30	Dr. Robina Begum	Platinum Nanoparticles Fabricated Multi-Responsive Microgel Composites: Synthesis, Characterization and Applications	<i>Polymer Composites</i>	(2018), 39(7): 2167-2180
31	Dr. Robina Begum	Catalytic Reduction of 2-nitroaniline: A Review	<i>Environmental Science and Pollution Research,</i>	(2018), 24(7): 6446-6460
32	Dr. Robina Begum	Reduction of nitroarenes catalyzed by microgel-stabilized Ag nanoparticles	<i>Journal of Hazardous Materials</i>	(2019), 377: 399-408



33	Dr. Robina Begum	Fundamentals and applications of acrylamide based microgels and their hybrids: A Review	<i>RSC Advances</i>	(2019), 9: 13838-13854
34	Dr. Robina Begum	Methanol as Hydrogen Source: Chemoselective Transfer Hydrogenation of α,β -Unsaturated Ketones with a Rhodacycle	<i>Chinese Journal of Catalysis</i>	(2019), 40(11): 1795-1799
35	Dr. Robina Begum	Adsorptive removal of heavy metal ions using polystyrene-poly(N-isopropylmethacrylamide-acrylic acid) core/shell gel particles: Adsorption isotherms and kinetic study	<i>Journal of Molecular Liquids</i>	(2019), 277: 522-531
36	Dr. Robina Begum	Removal of Cadmium (II) from Aqueous Medium Using <i>Vignaradiata</i> Leave Biomass: Equilibrium Isotherms, Kinetics and Thermodynamics	<i>ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE (International Journal of Research in Physical Chemistry and Chemical Physics)</i>	(2019), 233(5): 669-690
37	Dr. Robina Begum	Extraction of heavy metals from aqueous medium by husk biomass: Adsorption isotherm, kinetic and thermodynamic study	<i>ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE (International Journal of Research in Physical Chemistry and Chemical Physics)</i>	(2019), 233(2): 201-223
38	Dr. Robina Begum	Facile synthesis of silver nanoparticles in crosslinked polymeric system by in-situ reduction method for catalytic reduction of 4-nitroaniline	<i>Environmental Technology</i>	(2019), 40(15): 2027-2036
39	Dr. Robina Begum	Catalytic reduction of toxic dyes in the presence of silver nanoparticles impregnated core-shell composite microgels	<i>Journal of Cleaner Production</i>	(2019), 211: 855-864



○ **Conferences/ Seminars:**

Name	Title	Conference / Oral or Poster Presentations	Date	Country
Dr. Najamul Sehar Afshan	<i>Golovinomycesartemisiae</i> , a new record for Pakistan	2 nd International conference on Plant Sciences (ICPS-2018)	2018	Pakistan
Dr. Najamul Sehar Afshan	<i>Erysipheurticae</i> , a new record for Pakistan	2 nd International conference on Plant Sciences (ICPS-2018)	2018	Pakistan
Dr. Najamul Sehar Afshan	A review of fungal pathosystems, their role in Biodiversity and Conservation	2 nd International conference on Plant Sciences (ICPS-2018)	2018	Pakistan
Dr. Bushra Nisar Khan	Sustainable Management Plan for Conservation of Wetland Natural Resources	38th Pakistan Conference of Zoology	2018	Pakistan (Lahore)
Dr. Bushra Nisar Khan	Occurrence & Management of Endoparasitic fauna of Ostriches during winterseason at different captive sites of Punjab	ICBS	2018	Pakistan (Lahore)
Dr. Bushra Nisar Khan	Presence of Heavy Metals as Pivotal Source of Water Contamination in Mangla Dam, AJK	Capital University of Science and Technology, Islamabad	2018	Pakistan (Islamabad)
Dr. Bushra Nisar Khan	Efficacy of Medicinal Plants to Control Endoparasitic Infections in Ostrich (<i>Struthiocamelus</i>) Farms of Punjab	27 th National and 15th International Chemistry Conference	2018	Pakistan
Dr. Bushra Nisar Khan	Heavy Metal Toxicity in Commercially Important Fishes of Mangla Dam, AJK	New Trends in Computational Sciences-II: Public Health, Food, Nutrition and Safety NTNS-II.	2018	Pakistan
Dr. Bushra Nisar Khan	Poor Law Enforcement: A Threat for Wildlife Protection and Conservation	13th Annual Conference of ZAA	2018	USA (New Jersey)
Dr. Shabnum Javed	Bioassay-Guided Fractionation through Cytotoxic Activity of <i>Sorbariatomentosa</i>	1 st National Conference on Medicinal Plants Research	2018	Pakistan (Gilgit)



Dr. Shabnum Javed	Poster Presentation	1 st International Conference on Medicinal Chemistry & Drug Discovery, COMSTECH	2018	Pakistan (Islamabad)
Dr. Shabnum Javed	As Resource Person	One Day Awareness Seminar Regarding TDF projects	2018	Pakistan
Dr. Arooj Naseer	Molecular and Phylogenetic Characterization of family Inocybaceae: Its ectomycorrhizal role in conservation of Dry and Moist Temperate Forests of Pakistan	2 nd international conference on water saving and plant production strategies	2019	Pakistan
Dr. Arooj Naseer	Importance of ectomycorrhizal association in conservation of Himalayan Oaks.	BOTANY	2018	USA
Dr. Sadaf Aslam	Participated and presented paper	38th Pakistan Congress of Zoology	2018	Pakistan
Dr. Sadaf Aslam	Participated	2nd International Conference on Innovative Biological and Public Health Research	2018	Pakistan (Lahore)
Dr. Sadaf Aslam	Participated	National Workshop on Intellectual Property Protection for the Inventions Related to Agriculture and Animal Sciences	2018	Pakistan
Dr. Robina Begum	Attended Royal Society of Chemistry (RSC), North West Regional Meeting	University of Liverpool, UK	2018	UK
Dr. Robina Begum	Silver nanoparticles loaded polymer microgels for catalytic reduction of Malachite Green	RSC Dalton	2018	UK
Dr. Robina Begum	Systematic study of catalytic reduction of m-nitroaniline in the presence of responsive nano-hybrid catalyst	UK Catalysis Conference 2018 organized by School of Chemical Engineering and Analytical Science,	2018	UK
Dr. Robina Begum	Attended the 2 nd Romark Medicinal Chemistry Symposium featuring the BMCS Lectureship	University of Liverpool, UK	2018	UK



COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **Research and Development Overview**

Faculty members of the CEES are actively engaged in the Research and Development activities and working on various research projects funded by the University of the Punjab, Lahore during the academic session as detailed below:

○ **Projects: Completed**

Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
1	Prof. Dr. Sajid Rashid Ahmad	Geo-Spatial Application for Determination of Wastewater Quality with Human Health Risk Assessment along Sattukatla Drain, Lahore	200,00/-	P.U., Lahore
2	Dr. Nadia Jamil	Biochar Based Nanocomposite: its Synthesis, Characterization and Application in Agriculture	150,000/-	P.U., Lahore
3	Dr. Abdul Qadir	Risk Surveillance of Glyphosate Contamination in Groundwater from Cultivated Land of upper Rachna Doab, Pakistan	150,000/-	P.U., Lahore
4	Dr. Irfan Ahmed Shaikh	Reuse of Textile Dyeing Wash-off Wastewater A Zero Liquid Discharge Approach.	150,000/-	P.U., Lahore
5	Dr. Yumna Sadeef	Estimation of Antioxidant Activity, Total Phenolic Content and Nutritional Facts of Common Fruit Waste Peels.	150,000/-	P.U., Lahore

Newly Launched

Faculty members of the CEES have submitted the research proposals to the Punjab University and the Higher Education Commission (HEC), Islamabad for allocation of Research grants.

Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
1.	Prof. Dr. Sajid Rashid Ahmad Principal, CEES	Air Emissions through Modifications and Improve Efficiency in Firing of Brick Kiln Units	37,97,944/-	HEC
		Geospatial Applications for Determination of Physical Environmental Attributes of Cement Industries in Salt Range Area.	250,000/-	P.U., Lahore
2.	Dr. Nadia Jamil Associate Professor	Chromium (Cr) Removal from Wastewater through Biosorption	200,000/-	P.U., Lahore



Sr. No.	Faculty Member as Principal Investigator	Title of Project	Grant / funding (Rs.)	Funded by
3.	Dr. Abdul Qadir Associate Professor	“Surveillance and Effects of Plastic Pollution on Ecological Integrity of River Ravi and Chenab, Pakistan” awarded by the Higher Education Commission (HEC) vide No. 8463/Punjab/NRPU/R&D/HEC dated 04-02-2019	11,376,777/-	HEC
		Assessment of Microplastics (MPs) in Indoor Floor Dust from Urban Residential Areas	200,000/-	P.U., Lahore
4.	Dr. Irfan Ahmed Shaikh Assistant Professor	Range of Textile Dyeing and Bleaching Waste Water using Economical and Robust methods	150,000/-	P.U., Lahore
5.	Dr. Yumna Sadeef Assistant Professor	Exploration of Aflatoxin and Ochratoxin-A in Grown Varieties of Maize under Seasonal Climatic conditions and Their Control Strategies.	150,000/-	P.U., Lahore
6.	Mr. Azhar Ali Assistant Professor	Evaluation of health, Safety and Environmental Performance and Continual Improvement of Chemical Industry: A Pilot Study of Leather Chemical Production.	150,000/-	P.U., Lahore
7.	Mr. Muhammad Dastgeer Lecturer	Ecotourism Potential in the Scenario of Sustainable Development at Khushab, Pakistan	125,000/-	P.U., Lahore

○ Research Publications

Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
1.	Washakh, R.M.A., Chen, N., Wang, T., Almas, S., Ahmad, S.R. and Rahman, M.	2019	GLOF Risk Assessment Model in the Himalayas: A Case Study of a Hydropower Project in the Upper Arun River	Water	2.524	11, 1839; doi:10.3390/211091839	



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
2.	Ali, S.N., Baqar, M., Mumtaz, M., Ashraf, U., Anwar, M.N., Qadir, A., Ahmad, S.R., Nizami, A.S. and Jun, H.	2019	Organochlorine pesticides in the surrounding soils of POPs destruction facility: source fingerprinting, human health, and Ecological risks assessment	Environmental Science and Pollution Research	2.914	https://doi.org/10.1007/s11356-019-07183-7 .	
3.	Tarar, Z.R., Ahmad, S.R., Ahmad, I., Hasson, S.U., Khan, Z.M., Washakh, R.M.A., Rehman, S.A.U. and Bui, M.D.	2019	Effect of Sediment Load Boundary Conditions in Predicting Sediment Delta of Tarbela Reservoir in Pakistan	Water	2.524	11, 1716, doi10.3390/w11081716	
4.	Khalid, S., Shahid, S., Ahmad, S.R., Iftikhar, S., Hussain S.S., Ghayyur, A. and Chauchary, M.N.	2019	Depression and Dementia from Hyponatremia in brain cancer patients exposed to frozen food chemicals	Pakistan Journal of Pharmaceutical Sciences	0.596	32(6 Suppl):	2859-2864
5.	Khalid, S., Shahid, S., Chaudhry, M.N., Hussain, S.S., Ghayyur, A., Iftikhar, S. and Ahmad, S.R.	2019	Impacts of intake of bakery food chemicals, degraded water and psychiatric drugs on liver & renal functions of brain tumor patients	Pakistan Journal of Pharmaceutical Sciences	0.596	32(04 Suppl):	1767-1772
6.	Khan, M., Chaudhry, M.N., Ahmad, S.R. and Saif, S.	2019	The Role of and challenges facing non-governmental organizations in the environmental impact assessment process in Punjab, Pakistan	Impact Assessment and Project Appraisal	1.915	https://doi.org/10.1080/14615517.2019.1684096	
7.	Akram, W., Aslam, H., Ahmad, S.R., Anjum, T., Yasin, N.A., Khan, W.U., Ahmad, A., Guo, J., Wu, T., Wennlong, L. and Li, G.	2019	Bacillus Megaterium strain A12 ameliorates salinity stress in tomato plants through multiple mechanisms	Journal of Plant Interactions	1.839	14(1):	506-518
8.	Akhtar, S., Fatima, R., Soomro, Z.A., Hussain, M., Ahmad, S.R. and Ramzan, H.S.	2019	Bacteriological quality assessment of water supply schemes (WSS) of Mianwali, Punjab, Pakistan.	Environmental Earth Sciences	1.871	78: 458 https://doi.org/10.1007/s12665-019-8455-1	



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
9.	Kausar, F., Qadir, A., Ahmad, S.R., and Baqar, M.	2019	Evaluation of Surface Water Quality on Spatiotemporal Gradient using Multivariate Statistical Techniques: A Case Study of River Chenab, Pakistan.	Polish Journal of Environmental Studies	1.186	28(04):	2645-2657
10.	Rizwan, R., Yasar, A., Wang, Y., Tabinda, A.B., Ahmad, S.R. Tahir, F. and Su, Y.	2019	Environmental Impact and Economic Sustainability Analysis of a Novel Anaerobic Digestion Waste-to-Energy Pilot Plant in Pakistan.	Environmental Science and Pollution Research	2.914	26:	26404–26417
11.	Ijaz, B., Tabinda, A, Ahmad, S.R., Khan W., and Yasin, N.A.	2019	Biogas Synthesis from Solid Waste of Leather Industry in District Sialkot, Pakistan,	Polish Journal of Environmental Studies	1.186	Accepted	
12.	Batool, R., Mahmood, K., Ahmad, S.R. and Naeem, M.A.	2019	Geographic Scenario of Drinking Water Quality of Lahore metropolitan, Pakistan, In response to Urbanization and Water Demand: A GIS Perspective,	Applied Ecology and Environmental Research	0.689	doi:http://www.dx.doi.org/10.15666/aeer/	
13.	Shafiq, M., Qadir, A. and Ahmad, S.R.	2019	Biofortification: A Sustainable Agronomic Strategy to increase Selenium Content and Antioxidant Activity in Garlic	Applied Ecology and Environmental Research	0.689	17(2):	1685-1702
14.	Hameed, S., Ahmad, S.R., Rehman, M.A. U., Nazir, H. and Ullah, I.	2019	Drug Resistance Profile of Mycobacterium Tuberculosis and Predictors associated with the Development of Drug Resistance	Journal of Global Antimicrobial Resistance	2.469	18	155-159
15.	Ahmad, Z., Abbasi, M.H., Sheikh, N. and Ahmad, S.R.	2019	Molecular identification of bats from Punjab-Pakistan	Biological Regulators & Homeostatic Agents	1.558	33(1):	151-155



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
16.	Zahra, N., Jamil, N., Ahmad, S.R., Kalim, I., Saeed, M.K., Ahmad, I., Syeda, Q.A. Munir, S.	2019	Assessment of milk quality by analyzing aflatoxin M1 in branded and non-branded milk samples collected from different areas in Lahore, Pakistan	Pakistan Journal of Zoology	0.790	52(1):	373-375
17.	Nadeem, F., Jamil, N., Moazzam, A., Ahmad, S.R., Lateef, A., Khalid, A., Qadir, A., Ali, A. and Munir, S.	2019	Synthesizing and Characterizing Sawdust Biochar/Fe ₃ O ₄ Nanocomposites and its Potential Application in Textile Wastewater Treatment	Polish Journal of Environmental Studies	1.186	28(4):	2311-2319
18.	Ashraf, A., Butt, Al, Khalid, I., Alam, R.U., and Ahmad, S.R.	2019	Smog Analysis and its effect on reported ocular surface diseases: A Case Study of 2016 smog event of Lahore	Atmospheric Environment	4.012	198:	275-264
19.	Yasin, N.A., Khan, W.U., Ahmad, S.R., Ali, A., Ahmad, A. and Akram, W.	2019	Effect of Enterobacter sp. CS2 and EDTA on the Phytoremediation of Ni Contaminated soil by Impatiens balsamina,	Polish Journal of Environmental Studies	1.186	28(1):	425-433
20.	Yasin, N., Khan, W.U., Ahmad, S.R., Ahmad, A., Akram, W. and Ijaz, M.	2019	Role of Acinetobacter sp. CS90 for improvement of growth and phytoremediation potential of Catharanthus longifolius under cadmium stress	Polish Journal of Environmental Studies	1.186	28(1):	435-443
21.	Javaid, A., Ahmad, S.R. and Qadir, A.	2019	Health Risk Surveillance of Arsenic in Wastewater, Groundwater and Agricultural Land along Hudiara Drain, Pakistan using GIS Techniques.	Polish Journal of Environmental Studies	1.186	28(2):	681-692



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
22.	Zahra, N., Jamil, N., Ahmad, S.R., Saeed, M.K., Kalim, I and Sheikh, A.	2019	A Review of Mycotoxin Types, Occurrence, Toxicity, Detection Methods and Control	Pakistan Journal of Scientific and Industrial Research Serial B: Biological Science	N.A.	62B(3):	206-218
23.	Iqra, Jamil, N., and Zaheer, M.,	2019	Occurrence, fate and adverse effects of residual levels of preservatives and active whitening agents from wastewater of personal care products industries	Journal of Water Chemistry and Technology	0.504	Accepted	
24.	Mubarak, S., Rehman, M.Z.U., Jamil, N., Zaheer, M., Arshad, M.N., and Asiri, A.M.,	2019	Environment Friendly Synthesis of N'-(1,3-Diphenylallylidene)-1-ethyl-7-methyl-4-oxo-1,4-dihydro-1,8-naphthyridine-3-carbohydrazides: Crystal Structure and Their Anti-oxidant Potential.	Chemical & Pharmaceutical Bulletin	1.405	67:	1191-1200
25.	Nadeem, F., Jamil, N., Moazzam, A., Ahmad, S.R., Lateef, A., Khalid, A., Qadir, A., Ali, A. and Munir, S.	2019	Synthesis and Characterization of Sawdust Biochar/Fe ₃ O ₄ Nanocomposites Potential Application in Textile Wastewater Treatment	Polish Journal of Environmental Studies	1.186	28(4):	2311-2319
26.	Naqvi, A., Qadir, A., Mahmood, A., Baqar, M., Aslam, I., Jamil, N., Mumtaz, M., Saeed, S., Zhang, G.	2019	Screening of human health risk to infants associated with the polychlorinated biophenyl (PCB) levels in human milk from Punjab Province, Pakistan	Environmental Science and Pollution Research	2.914	http://doi.10.1007/s11356-019-07126-2	



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
27.	Lateef, A., Nazir, R., Jamil, N., Alam, S., Shah, R., Khan, M.N., Saleem, M. and Rehman, S.U.	2019	Synthesis and characterization of environmentally friendly corncob biochar-based nano-composite—A potential slow release nano-fertilizer for sustainable agriculture.	Environmental Nanotechnology, Monitoring & Management	Equivalent to X-Cat	11(2019) http://doi.org/10.1016/j.enmm.2019.100212	
28.	M Rizwan, B Atta, AM Sabir, M Yaqub, A Qadir	2019	Evaluation of the entomopathogenic fungi as a non-traditional control of the Rice leaf roller, <i>Cnaphalocrocis medinalis</i> (Guenee) (Lepidoptera: Pyralidae) under controlled conditions	Egyptian Journal of Biological Pest Control	0.381	29 (1)	1-10
29.	Arooj, F., Ahmed, N., & Shaikh, I. A.	2019	Application of Ozone in Stripping of Cotton Fabric Dyed with Reactive Dyes.	Ozone-Science & Engineering	1.253	2019	1-12
30.	Islam, S., Shaikh, I.A., Firdaus, N., Ali, A., and Sadeef, Y.	2019	Performance Evaluation of Fenton Oxidation Treatment Method for the Reuse of Reactive Dyeing Effluent.	Journal of the Chemical Society of Pakistan	0.393	41(6):	1138-1144.
31.	Islam, S., Shaikh, I.A., Firdaus, N., Ali, A., and Sadeef, Y.	2019	A new approach for the removal of unfixed dyes from reactive dyed cotton by fenton oxidation.	Water Reuse and Desalination	1.538	9(2):	133-141
32.	Ullah, N., Akhtar, K.P., Hassan, S.W.U., Asi, M.R. & Sadeef, Y.	2019	First report of molecular characterization of <i>Aspergillus flavus</i> from maize in Pakistan	Journal of Plant Pathology	0.818	101(4),	1289-1290
33.	Munir, B.A., Hafeez, S., Ahmad, S.R., Iqbal, R. and Javed, M.A	2019	Geospatial Assessment of Physical Acceptability of healthcare and Agent-Based Modeling for System Efficacy.	GeoJournal	Equivalent to X-Cat	doi.org/10.1007/s10708-019-09987-z	



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
34.	Usman, K., Ijaz, S., Ahmad, S.R., Rehman, H.U., Aslam, S., Ullah, W., Pervaiz, K., Khan, H. Mujtaba, S., Ahmad, W., Aziz, M., Ullah, F. and Rasul, G.	2019	Hydrology of River Indus at Billianikhyber Pakhtunkhwa, Pakistan,	International Journal of Biosciences	Equiv. to HEC Y-Cat	14(3):	258-265
35.	Usman, K., Ijaz, S., Ahmad, S.R., Khan R.U., Rehman, H.U., Munthah, S.T., Ullah, W. Pervaiz, K., Khan, H., Mujtaba, S. and Raza, S.	2019	Evaluation of water quality in river indus at Pattan Khyber Pakhtunkhwa, Pakistan, International.	Journal of Biosciences	Equiv. to HEC Y-Cat	15(2):	200-203
36.	Hameed, S.A., Ahmad, S.R., Liaqut, A., Younes, I. and Sadaf, R.	2019	Analytical Review of Land Use Changes by Remote sensing & GIS Techniques in District Gujrat, Pakistan.	International Journal of Eco. Environ. Geol.	Equiv. to HEC Y-Cat	10(2):	118-123
37.	Hassan, R. and Ahmad, S.R.	2019	Proper Allocation and Relocation of Solid Waste Bins by using Remote Sensing and Geographic Information System in Gulberg Town Lahore, ,	International Journal of Scientific & Engineering Research	HEC Recog. Y-Cat	10(9).	
38.	Zahra, N., Jamil, N., Ahmad, S.R., Saeed, M.K., Kalim I. and Sheikh, A	2019	A Review of Mycotoxin Types, Occurrence, Toxicity, Detection Methods and Control,	Pakistan Journal of Scientific and Industrial Research Serial B. Biological Sciences	HEC Recog. X-Cat.	62B(3):	206-218
39.	Irfan, M., Qadir, A., Ali, H., Jamil, N., & Ahmad, S. R.	2019	Vulnerability of Environmental Resources in Indus Basin after the Development of Irrigation System.	Intech Open. In Irrigation-Water Productivity and Operation, Sustainability and Climate Change (BOOK Chapter)			



Sr. No	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
40.	M Shafiq, A. Qadir, CM Hussain	2019	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue	Book Chapter in Handbook of Environmental Materials Management, 355-377			

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

Sr. No.	Author's	Date	Title of Paper Presented	Conference / Venue
1.	Jamal, R, Ahmad, S.R. and Jamal, S.	2019	Identification of Water Table and Ground Water Potential Zones using RS/GIS Techniques in Soutyhern Haripur Tehsil Province Khyber Pakhtunkhwa, Pakistan.	In the proceedings of the 1st International Congress on Biosystems Engineering (ICOBENS2019) held from 24-27 September 2019 at Antakya, Hatay, Turkey, pp. 194-205
2.	Ahmad, S.R., Ghalib, A. and Qadir, A.	2019	Sustainable Urban Development Indicators and Prediction for Cities of Punjab, Pakistan.	Presented in the 15th International Conference Environmental, Cultural, Economic and social Sustainability, held from January 17-19, 2019 at Robin Square, Canada.

Seminars / Workshops Organized

College of Earth and Environmental Sciences, Organized various Seminar / Workshops / Conferences during the academic session 2018-2019 as detailed below:

- College of Earth and Environmental Sciences, University of the Punjab, Lahore Organized 38th All Pakistan Science Conference on “Energy Crises and their Solution in Pakistan” under the Platform of Pakistan Association for Advancement in Science held on December 10-11, 2018.
- Organized a Short Training Workshop on “GIS and Applications” on October 15, 2018.
- The College of Earth and Environmental Sciences, University of the Punjab, Lahore in Collaboration with the Lahore Waste Management Company is conducting Community Mobilization Program / Cleanliness Awareness Session at College of Earth and Environmental Sciences, University of the Punjab, Lahore on September 19, 2019
- Organized special Lecture on “Environmental / Eco Friendly Policies And Initiatives” in Collaboration with Pakistan Aviation Industry on September 18, 2019
- Organized a Short Training Workshop on “Introduction to Big Data Analysis and Machine Learning Using Earth Engine” from July 30-31- 2019



- The College of Earth and Environmental Sciences, University of the Punjab, Lahore organized a seminar on “Tourism and Role of Digital Media” on Tuesday, June 18, 2019.
- One-day training Seminar on “Occupational Health and Safety (OHS)” in collaboration with the Employers Federation of Pakistan (EFP) on April 30, 2019.
- The College of Earth and Environmental Sciences, University of the Punjab, Lahore Observed “World Water Day” on March 22, 2019
- Organized Seminar On “Pestiferous Aquatic Insects: A Global Perspective and Selected Research Highlights” by Prof. Dr. Arshad Ali, Department Aquatic Entomology and Ecology, University of Florida, USA, on March 13, 2019
- Organized 3-Day Training Workshop On “Drone Data Collection Techniques And Its Applications” in collaboration with NZ Aerial Mapping Pvt. Ltd, Lahore From February 19-21, 2019.
- Organized One-Day Training Workshop on “Ambient Air Quality Monitoring” in Collaboration with SUPPARCO, Lahore on February 15, 2019
- **Research Journals**
College of Earth and Environmental Sciences has launched its Journal “*Pakistan Journal of Earth and Environmental Sciences*” (ISSN 2519-9897) which will be published in near future.

RESEARCH COLLABORATION

- **Indigenous**
 - University of Windsor, Ontario, Canada
 - American Rainwater Catchment System (Pakistan Chapter)
 - M/s Wisey’s Germany
 - PCRET, Pakistan
 - Pakistan Meteorological Department
 - Ministry of Climate Change
 - WAPDA
 - PCRWR
 - Soil Survey of Pakistan
 - Indus Consortium
 - WWF (Pakistan)
 - Bulleh Shah Packages
 - Waste Busters
 - The Urban Unit
- **Linkages**
The College of Earth and Environmental Sciences has initiated linkages with various international and academic institutions as detailed below:
 - MoU with the South Asian Conservation Agriculture Network (SACAN) – Pakistan, Lahore
 - MoU with the Employers’ Federation of Pakistan
 - Research Collaboration with the McGill University, Canada
 - University of Windsor, Ontario, Canada
 - Pakistan Association for Advancement in Science (PAAS)



○ **Funding Grants for R&D**

College of Earth and Environmental Sciences has awarded NRPU Project by the HEC under NRPU Program 2019.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **An Overview**

Research and Development is the integral part of the curricula of all our academic programs. A large number of students of all academic programs opt the research & report writing (as a paper titled 'Thesis') during the last semester. However, internship programs are also done by the students. Research and report writing for M.Phil and PhD scholars is mandatory. Software as well as hardware relating to Research and development is also available in the college.

○ **Publications**

- Chand, S., Ahmad, S. and Batool, M. (2018), Solution path efficiency and oracle variable selection by lasso-type methods, *Chemo-metrics and Intelligent laboratory systems*, pp. 140-146.
- Chand, S., and Aftab, N. (2018), Modified variance ratio test for autocorrelation in the presence of heteroskedasticity, *Lahore Journal of Economics*, pp. 01-19.
- Aftab, N., and Chand, S. (2018), A simulation based evidence on the improved performance of a new modified leverage adjusted heteroskedastic consistent covariance matrix estimator in linear regression, *Kuwait Journal of Science*, pp. 29-38.
- Sohail, M., Chand, S. and Kibria, B.G. (2019), Quantile based robust ridge m-estimator for linear regression model in presence of Multicollinearity and outliers, *Communication in Statistics: Simulations and Computation*.
- Sohail, M., Chand, S. and Kibria, B.G. (2019), Quantile based estimation of biasing parameter in Ridge Regression, *Communication in Statistics: Simulation and Computation*.
- Sharif, M., Batool, M., Chand, S. and Athar, M. (2019), Forensic discrimination potential of commercially used fountain pen ink of various colours in Pakistan by UV/Visible Spectroscopy, Thin Layer Chromatography and Fourier Transform Infrared Spectroscopy, *International Journal of Analytical Chemistry*.
- Nadia Saeed and Shahid Kamal (2019), New EWMA control chart for monitoring mean under Non-normal processes using repetitive sample, *Iranian Journal of Science and Technology*.
- Mehwish Rabia, Nadia Saeed and Muhammad Aslam (2019), Reliability and sensitivity comparison and average run length of CUSUM scale chart.
- Raza, M.A., Nawaz, T., Aslam, M., Bhatti, S.H., Sherwani, R.A.K. (2019), A new nonparametric double exponentially weighted moving average control chart, *Applied Reliab Engng Int.*



- Asif, M.A., Akbar, M., Noor, F., Sherwani, R.A.K., Farooq, M. (2019), The interrelationship of child under-nutrition, ecology and maternal factors: a case study of Pakistan by using composite index of anthropometric failure, *Applied Ecology and Environmental Research*.
- Khan, S., Shahbaz, A., Sherwani, R.A.K., Waseem, H., Altaf, M., Hassan, A. (2018), Comparison of European System for cardiac operative risk evaluation (EuroSCORE)-II with the postoperative outcomes in patients undergoing cardiac surgery, *Journal of Fatima Jinnah Medical University*.
- Abrar, S., Hussain, S., Sherwani, R.A.K., Ain, N., Haider, H., Riaz, S. (2018), Prevalence of extended-spectrum- β -lactamase-producing Enterobacteriaceae: First systematic meta-analysis report from Pakistan, *Antimicrobial Resistance and Infection Control*.
- Dr. Sana Saeed, Hong Choon Ong, Saratha Sathasivam (2018), Self-Adaptive single objective Hybrid Algorithm for unconstrained and constrained test functions: An application of optimization algorithm, *Arabian Journal for Science and Engineering*.
- Dr. Sana Saeed and Hong Choon Ong (2019), Performance of SVM with multiple kernel learning for classification test of imbalanced datasets, *Petranika Journal of Science and Technology*.
- **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 2017-2018. College conducts many awareness seminars on regular basis such as;
 - A Hands-on-Training Session on “Python for Data Analysis” in which Dr. Hakeem-ur-Rehman from Shanghai Jiao Tong University was the Resource Person.
 - A seminar about actuarial research was conducted successfully at the college.
- **Research Journals**
The College’s quarterly research journal ‘**Pakistan Journal of Statistics and Operation Research**’ regularly being published 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.
- **Projects**
 - Completed: 2
 - Newly launched: 3
- **Publications**

The following research papers were published by the faculty of this Department
Research Papers/Articles Published

Prof. Dr. Safdar Ali Shirazi

- Zia S., Shirazi S.A (2019) *“Spatio-Temporal Analysis of Areas Vulnerable to Urban Flooding: A Case Study of Lahore, Pakistan”* Int. J. Econ. Environ. Geol. Vol.10 (3) 85-89 , 2019 ISSN: 2223-957X<https://www.econ-environ-geol.org/index.php/ojs/article/view/313>
- Zartab Jahan, Shirazi S.A ,Shakrullah K(2019) *“Evaluation of Residents Perception about Socioeconomic and Environmental Impacts of Urban Green Spaces of Lahore, Pakistan”*Int. J. Econ. Environ. Geol. Vol.10 (2) 87-96, 2019 ISSN: 2223-957X<https://www.econ-environ-geol.org/index.php/ojs/article/view/267>
- Shirazi S.A ,Shakarullah.K, S.S. Wahla, M, Khurshid. (2019)*“Assessing the Impact of Built-up areas on development of the urban heat island in Lahore, Pakistan”*. Int. J. Econ. Environ. Geol. Vol.10 (4): 64-68. (HEC recognized). <https://www.econ-environ-geol.org/index.php/ojs/article/view/352>
- Shirazi S.A, A. Liaqut&Shakarullah.K (2019)*“Analysis of temperature and precipitation trends observed at some selected districts of the Punjab, Pakistan”* Int. J. Econ. Environ. Geol. Vol.10 (4):51-58. (HEC recognized).<https://www.econ-environ-geol.org/index.php/ojs/article/view/353>
- Shakarullah K., Shirazi, S.A., Sajjad, S.H., & Jahan, Z. (2019). Examination of Temperature Variability over Lahore (Pakistan) and Dhaka (Bangladesh): A Comparative Study.” Int. J. Econ. Environ. Geol. Vol.10 (4):46-50. (HEC recognized).
- Shakarullah, K.,Shirazi, S.A.& Sajjad, S.H. (2019). An assessment of land use and land cover changes in Lahore (Pakistan) and New Delhi (India) using geospatial techniques. Pakistan Journal of Science, 71(4): 250-253. (HEC recognized).
- <http://paaspk.com/SubPages/Journal/Dashboard.aspx?fcso=2&menuid=1006&JID=313>

Dr. Ibtisam Butt

- “Exploring the role of Locational Factors in the growth of Textile Industry in Tehsil Jaranwala, District Faisalabad” published in International Journal of Economic and Environmental Geology (2019) Vol. 10, No.3, 90-93 p.



- “Assessment of Forest resource exploitation in the rural communities of District Jhelum, Pakistan” published in International Journal of Economic and Environmental Geology (2019) Vol. 10, No.3, 16-21 p.
- “An assessment of impact of travelling on commuter’s health through GIS techniques: A case study of Lahore- Pakistan” published in Pakistan Journal of Science (2019) Vol.71, No. 3, 121-127p.
- “An appraisal of drinking water sources and waterborne diseases among Children in Nankana Sahib City, Punjab” published in Pakistan Journal of Science (2019) Vol.71, No. 3, 134-139p.
- “An assessment of Hospital waste management practices in Lahore, Pakistan” published in Pakistan Journal of Science (2019) Vol.71, No. 3, 145-150p.
- “An appraisal of Population Growth and Forest cover Change in Rawalpindi using NDVI and Linear Regression Model” published in Journal of Biodiversity and Environmental Sciences (2019) Vol. 15, No.1, 76-86p.
- “Spatial Patterns and Prevalence of Hepatitis C in Punjab during 2010-2017” published in International Journal of Biosciences (2019) Vol. 15, No.4, 144-152p.
- “Cross sectional Analysis of Disease Pattern among Sanitary workers of Hospitals of Lahore, Pakistan” published in International Journal of Biosciences (2019) Vol. 15, No.4, 372-377p.

Isma Younes

- Spatial patterns of Escherichia Coli in public water supply system of Lahore. (X-Category), Pakistan Journal of Scientific Research and Industrial Research, Vol 61, 151-157.
- Comparative analysis of different remote sensing techniques for mapping of supraglacial lakes on Hispar Glacier. (Y-Category), (International Journal of Economic and Environmental Geology, Vol. 09, 66-74.
- Appraisal of Ground water potential through remote sensing in river basin, Pakistan. (Y-Category), IJEEG, Vol 9(3) 25-32.
- Impact of urbanization growth on land surface temperature using remote sensing and GIS: A case study of Gujranwala City, Punjab, Pakistan. (Y-Category), IJEEG, Vol 9(3), 44-49.
- Industrial Noise Pollution and its impact on the hearing capacity of workers: A case study of Gujranwala city, Pakistan. (Y-Category), IJEEG, Vol 10(2), 45-49
- Assessment of smog pattern and its effects on visibility in Lahore using remote sensing and GIS.(Y-category), IJEEG, Vol. 10(2), 55-59.
- Analyticsl Review of land use changes by remote sensing and GIS techniques in District Gujrat, Pakistan. (Y-Category), IJEEG, Vol. 10(2), 118-123.

Dr. Saima Siddiqui

- *Indigenous land tenure system in the Hindu-Raj Mountains, Pakistan: development, transformation and implications* – Journal of Biodiversity and Environmental Sciences – Vol. 13 (4), 73-87. (HEC Recognized- ISI indexed- X Category)



- *Environmental Changes in the Hindu Raj Mountains, Pakistan* – Environment and Natural Resources Journal – Vol. 17 (1), 63-77.(HEC Recognized- ISI indexed- X Category)

Sumaira Kousar

- Land cover change analysis and impacts of deforestation on the climate of District Mansehra, Pakistan. Journal of biodiversity and environmental science: vol., 14. No. 6, P. 103-113. 2019

Adeel Ahmad

- Nguyen, L.Q., A. Ahmad, C.X. Cao, and C.V. Le.(2018) "*Designing observation lines: a case study of the G9 seam in the Mong Duong colliery.*" Journal of Mining and Earth Sciences 59 (6): 28-34. <http://tapchi.humg.edu.vn>
- Jahan, Z., F. Sarwar, I. Younes, R. Sadaf, and A. Ahmad.(2019) "*Assessment of Smog Pattern and its Effects on Visibility in Lahore Using Remote Sensing and GIS.*" International Journal of Economic and Environmental Geology 10 (2): 55-59. <http://www.econ-environ-geol.org/index.php/ojs/article/view/263>

○ **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

- Prof. Dr. Malik Zawwar Hussain, Prof. Dr. Muhammad Sharif, Prof. Dr. Muhammad Akram, Dr. Muhammad Riaz, Dr. Nauman Raza, Dr. Saima Arshed, Dr. Muhammad Zaeem ul Haq Bhatti, Dr. Zeeshan Yousaf and Dr. Maasoomah Sadaf presented papers in different National and International conferences. During the above mentioned period, the detail of enrolled students is 06 in Ph.D., 91 Students in M.Phil. 174 students in M.Sc. (Morning), 81 students in M.Sc. (Self-Supporting), 121 students in BS Mathematics (4 Years Program).
- 10 Ph.D. Students, 21 M.Phil. Students, 52 M.Sc. students and 29 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, Dr. Uzma Ahmed, Dr. Saima Arshed, Dr. Muhammad Zaeem ul Haq Bhatti and Dr. Zeeshan Yousaf.



- The faculty members, M.Phil. and PhD scholars are delivered the lectures, departmental seminar series, which is held on every Wednesday.
- Departmental Library has been enriched by adding 52 books relevant to Mathematics and as well as Department has published the magazine “The Infinity 2018”.

○ **Research Projects**

Sr. No.	Name of Faculty Members	Sponsor	Completed / In Process
1	Prof. Dr. Muhammad Sharif	University of the Punjab, Lahore.	Completed
2	Dr. Nauman Raza	University of the Punjab, Lahore.	Completed
3	Dr. Maasoomah Sadaf	University of the Punjab, Lahore.	Completed
4	Dr. Saira Hameed	University of the Punjab, Lahore.	Completed

○ **Publications**

- Hussain, M. Z., Hussain, M. & Yameen, Z. (2018), A C^2 -continuous rational quantic interpolation scheme for curve data with shape control, *Journal of the National Science Foundation of Sri Lanka*, Vol. 46(3), 341-354.
- Abbas, S. Hussain, M. Z. & Irshad, M. (2018), Image interpolation by rational Ball cubic B-spline representation and genetic algorithm, *Alexandria Engineering Journal*, Vol. 57, 931-937.
- Sarfraz, M. Samreen, S. & Hussain, M. Z. (2018), A quadratic trigonometric weighted spline with local support basis functions, *Alexandria Engineering Journal*, Vol. 57, 1041-1049.
- Sarfraz, M. Samreen, S. & Hussain, M. Z. (2018), Modeling curves by a quadratic trigonometric B-spline with point shape control, July 11-13, Baku, Azerbaijan.
- *Pilgrim Dark Energy in $f(G,T)$ Gravity*:M. Sharif and Saadia Saba, Mod. Phys. Lett. A 33(2018)1850182 (World Scientific).
- *Complexity Factor for Cylindrical System*:M. Sharif and Iqra Ijaz Butt, Eur. Phys. J. C 78(2018)850 (Springer).
- *Anisotropic Quark Stars in $f(R,T)$ Gravity*:M. Sharif and Arfa Waseem, Eur. Phys. J. C 78(2018)868 (Springer).
- *Gravitational Decoupled Anisotropic Solutions in $f(\mathcal{G})$ Gravity*:M. Sharif and Saadia Saba, Eur. Phys. J. C 78(2018)921 (Springer).
- *On the Stability of Einstein Universe in $f(R,T,R_{\mu\nu}T_{\mu\nu})$ Gravity*:M. Sharif and Arfa Waseem, Mod. Phys. Lett. A 33(2018)1850216 (World Scientific).
- *Viable Wormhole Solutions and Noether Symmetry in $f(R,T)$ Gravity*:M. Sharif and Iqra Nawazish, Annals Phys. 400(2018)37-63 (Elsevier).
- *Effects of Tilted Congruence on Spherical Compact Stars*:M. Sharif and Sobia Sadiq, Chin. J. Phys. 56(2018)2984-2991 (Elsevier).
- *Models of Charged Self-Gravitating Source in $f(R,T)$ Theory*:M. Sharif and Aisha Siddiqua, Int. J. Mod. Phys. D 27(2018)1950005 (World Scientific).



- *Role of $\sigma R^2 + \gamma R_{\mu\nu} T_{\mu\nu}$ Model on Anisotropic Polytropes*: M. Sharif and Arfa Waseem, Int. J. Mod. Phys. D 27(2018)1950007 (World Scientific).
- *Galactic Halo Traversable Wormhole Solutions in $f(\mathcal{G}, T)$ Gravity*: M. Sharif and yesha Ikram, Int. J. Mod. Phys. D 27(2018)1950009 (World Scientific).
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- U. Ahmad, S. Hameed and S. Jabeen, Class of weighted graphs with strong anti-reciprocal eigenvalue property. *Linear and Multilinear Algebra*, DOI: Published online: 23 Oct 2018, <https://doi.org/10.1080/03081087.2018.1532489>
- **Conferences, Seminars and Workshops, etc.**
 - Prof. Dr. Malik Zawwar Hussain presented the paper, G^1 – Approximation of circular arcs by C-Bézier curve: an alternate approach in 21st International Conference on Information Visualization, Salern, Italy, July 10-13, 2018.
 - Prof. Dr. Malik Zawwar Hussain presented the paper, Spline functions and genetic algorithm for reverse engineering of symmetric 3D models in 21st International Conference on Information Visualization – Part-II, Adelaide, Australia, July 16-19, 2019



- Prof. Dr. Malik Zawwar Hussain delivered a talk Shape preserving spline curves and surfaces, Two days National Conference on Mathematical Sciences in Engineering Applications, April 18- 19, 2018, UET, Peshawar.
- Prof. Dr. Malik Zawwar Hussain delivered a talk on Rational spline for object design, one day seminar on Advancement in Pure and Applied Mathematics, November 09, 2019, GCU Faisalabad.
- Prof. Dr. Muhammad Sharif delivered a seminar on *Einstein Field Equations* (ICE-2018, University of Education, Lahore, March 17, 2018).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Fact, Friction, or Unknown: Black Holes*(Fourth UMT International Conference on Pure and Applied Mathematics, Faletti's Hotel, Lahore March 31, 2018).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Study of Polarization Modes in Modified Theory*(21st Capra MeetingMax Planck Institute, Potsdam-Germany June 27, 2018).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Stability of Einstein Universe in Matter-CurvatureCoupling Gravity*(MGM15 University of Rome, Rome-Italy, July 06, 2018).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Tilted Anisotropic Polytropes* (JGRG28 Rikkyo University, Tokyo-Japan, November 06, 2018).
- Prof. Dr. Muhammad Sharif delivered a seminar on *ChargedAnisotropic Solutions in General Relativity* (Maths Dept. PU Lahore, January 09, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Gravitational Decoupled Anisotropic Solutions in Modified Gravity* (6th Italian-Pakistani Workshop on Relativistic Astrophysics, NUST, Islamabad-Pakistan, January 24, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Gravitational Decoupled Anisotropic Solutions* (ICRAAM2019, COMSATS University, Lahore Campus, February 20, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on Black Holes (2nd Pak-Turk Int. Conference, GIKI, Topi, March 11, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Null Geodesics and Gravitational Lensing* (5th UMT International Conference on Pure and Applied Mathematics, UMT, Lahore March 30, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Dynamics of Scalar Shell for Black Holes*(10th Alexander Friedmann Int.Seminar on Gravitation and CosmologySt. Petersburg-Russia, June 27, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Anisotropic Solutions and Minimal Geometric Deformation* (XXI Int. Meeting, Phys. Interpretations of Relativity TheoryMoscow-Russia, July 02, 2019).
- Prof. Dr. Muhammad Sharif delivered a seminar on *Stability of Anisotropic Homogeneous Cylinder*(GR22Valencia-Spain, July 09, 2019).



- Prof. Dr. Muhammad Sharif attended a seminar on ICE-2018, University of Education, Lahore, March 15-17, 2018).
- Prof. Dr. Muhammad Sharif attended a conference on Fourth UMT International Conference on Pure and Applied Mathematics, Faletti's Hotel, Lahore March 31-April 02, 2018.
- Prof. Dr. Muhammad Sharif attended a meeting on 21st Capra Meeting Max Planck Institute, Potsdam-Germany June 25-29, 2018.
- Prof. Dr. Muhammad Sharif attended a meeting on 15th Marcel Grossmann Meeting, University of Rome, Rome-Italy, July 01-07, 2018.
- Prof. Dr. Muhammad Sharif attended a workshop on The 28th Workshop on General Relativity and Gravitation in Japan – JGRG28, Rikkyo University, Tokyo-Japan, November 05-09, 2018
- Prof. Dr. Muhammad Sharif attended a workshop on 6th Italian-Pakistani Workshop on Relativistic Astrophysics, NUST, Islamabad-Pakistan, January 24-26, 2019
- Prof. Dr. Muhammad Sharif attended a seminar on ICRAAM2019, COMSATS University, Lahore Campus February 20-22, 2019
- Prof. Dr. Muhammad Sharif attended a conference on 2nd Pak-Turk International Conference, GIKI, Topi March 11-13, 2019
- Prof. Dr. Muhammad Sharif attended a conference on Fifth UMT International Conference on Pure and Applied Mathematics, UMT, Lahore March 29-31, 2019.
- Prof. Dr. Muhammad Sharif attended a seminar on 10th Alexander Friedmann International Seminar on Gravitation and Cosmology St. Petersburg-Russia, June 23-28, 2019).
- Prof. Dr. Muhammad Sharif attended a meeting on XXI International Meeting, Phys. Interpretations of Relativity Theory - 2019 Moscow-Russia, July 01-05, 2019).
- Prof. Dr. Muhammad Sharif attended a conference on GR22 Valencia-Spain, July 07-12, 2019).
- Dr. Muhammad Riaz organized and attended and Paper presented as Invited Speaker on Soft Multi-Set Theory with Decision-Making in International Workshop on Nonlinear Analysis and Applications (IWNAAP-UMT 2018) (November 16-18, 2018).
- Dr. Muhammad Riaz attended and paper presented on Handling Uncertainties via soft Multi-set theory in 2018 International Conference on mathematics and its applications (2018-ICMA-GCU) Nov. 13-15, 2018.
- Dr. Muhammad Riaz paper presented on "Hesitant Fuzzy Soft Topology with Applications" at 20th International Pure Mathematics Conference of (23-25 August, 2019), Islamabad Club, Islamabad, Pakistan.
- Dr. Muhammad Riaz attended and participated in Recent Advances in Mathematical Methods, Models & Applications (RAMMMA) at Centre for Mathematics & Statistical Sciences, Lahore School of Economics, 13-14 April, 2019.



- Dr. Muhammad Riaz attended and Paper presented as **INVITED SPEAKER** on Hesitant Fuzzy Set Theory with Applications with Decision-Making in Garrison International Conference on Pure and Applied Mathematics (April 1-3, 2019).
- Dr. Muhammad Riaz attended and Member Organizing Committee in 5th UMT International Conference on Pure and Applied Mathematics (5th UICPAM-2019) March 29-31, 2019.
- Dr. Aziz Ullah Awan presented a research paper in “2018-International Conference on Mathematics and its Applications, GC University, Lahore”, (November 13-15, 2018).
- Dr. Aziz Ullah Awan presented a research paper in “4th International Conference on Pure and Applied Mathematics, Department of Mathematics, University of Sargodha, Sargodha”, (December 21-22, 2018).
- Dr. Aziz Ullah Awan participated in “Workshop on Solitons and its Applications, Department of Mathematic, GC University Lahore”, (January 07, 2019).
- Dr. Aziz Ullah Awan participated in “Workshop on MATLAB Programming and its Applications in Computing, Department of Mathematics and Statistics, Riphah International University, Islamabad”, (August 02-04, 2019).
- Dr. Muhammad Khalid Mahmood delivered a Seminar on Constructions of Groups at Department of Mathematics Government Women College, Satilite Town, Gujranwala 2019.
- Dr. Muhammad Khalid Mahmood delivered a Seminar on Geometry and Topology at Department of Mathematics Government Women College, Satilite Town, Gujranwala 2019.
- Dr. Muhammad Khalid Mahmood attended Seminar Series arranged by Department of Mathematics every year 2013-2019.
- Dr. Muhammad Khalid Mahmood attended International Conference on Relativistic Astrophysics, PU, Pakistan 2015, 2019.
- Dr. Uzma Ahmad invited speaker in One Day Symposium on Algebra & Number Theory held in COMSATS, Lahore, October 13, 2018.
- Dr. Uzma Ahmad presented a paper in 5th UICPAM-2019 held at Centre For Mathematics and its Applications (CMAP) University of Management and Technology (UMT) (March 29-31, 2019)
- Dr. Uzma Ahmad presented a paper in 20th International Pure Mathematics Conference 2019 (20th IPMC 2019) on Algebra, Analysis and Geometry held in Islamabad from 23-25 August 2019 organized by Advanced Institute of Mathematical Sciences, Pakistan Mathematical Society and Allama Iqbal Open University Islamabad.
- Dr. Zeeshan Yousaf attended a conference on Irregularities and Existence of Stellar Systems at 5th UMT International Conference on Pure and Applied Mathematics, UMT, Lahore–Pakistan; March 31, 2019.
- Dr. Zeeshan Yousaf attended 5th UMT International Conference on Pure and Applied Mathematics at University of Management and Technology, Lahore–Pakistan; March 29– 31, 2019.



- Dr. Zeeshan Yousaf attended One Day Workshop on “How to Procure” at Department of Economics, University of the Punjab, Lahore–Pakistan; August 07, 2019.
- Dr. Muhammad Zaeem ul Haq Bhatti attended Fifth UMT International Conference on Pure and Applied Mathematics, UMT, Lahore March 29-31, 2019.
- Dr. Maasoomah Sadaf delivered a talk entitled “Approximate Solutions of Time-Fractional Cahn-Hilliard Equations Using Two Reliable Techniques” in 5th UMT International Conference on Pure and Applied Mathematics (5th UICPAM-2019) held on March 29-31, 2019.
- **Research Journals**
Punjab University Journal of Mathematics (PUJM, Category X) Journals have been exchanged in the different libraries worldwide.

RESEARCH COLLABORATION

- **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 experimental research includes Material Science, Solid State Physics, Nuclear Physics, Nuclear Medicine, Physics of Semiconductor Devices, thin films, atmospheric Physics, Environmental Pollution & Climatology, and Quantum Wires / Quantum Dots (Nanotechnology) and estimation chemical contamination of drinking water. Forty 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**
06 Projects (Funded by University of the Punjab, Lahore)
- **Projects: Newly Launched**
 - A proposal of PC-1 for Central Instrumentation Laboratory is submitted to University.
 - PC-1 for the Strengthen the Research Infrastructure in Department of Physics is under preparation.
 - Faculty members are preparing research proposals for submission to HEC under the call HEC NRPU by HEC (Deadline January 15, 2020)



○ **Publications:** Books/Edited

- Riaz, H. W. A., & ul Hassan, M. (2018). Multi-component semi-discrete coupled dispersionless integrable system, its lax pair and Darboux transformation. *Communications in Nonlinear Science and Numerical Simulation*, 61, 71-83. (IF = 3.967)
- Wajahat, H., Riaz, A., & ul Hassan, M. (2018). Integrability of a Multicomponent Coupled Dispersionless Integrable System. *Theoretical and Mathematical Physics*, 197(3), 1714-1726. (IF = 0.901)
- Riaz, H. W. A., & Hassan, M. U. (2018). Noncommutative negative order AKNS equation and its soliton solutions. *Modern Physics Letters A*, 33(35), 1850209. (IF = 1.367)
- Riaz, H. W. A., & ul Hassan, M. (2019). An integrable noncommutative generalization of the AB system and its multisoliton solutions. *Communications in Nonlinear Science and Numerical Simulation*, 79, 104936. (IF = 3.967)
- Ali, M. Z. (2019). Linear and nonlinear TM polarized surface waves in anisotropic metamaterials. *Optica Applicata*, 49(3). (IF = 1.054)
- Akhtar, N., Rafique, H. M., Atiq, S., Aslam, S., Razaq, A., & Saleem, M. (2018). Ni doped ZrTiO₄ ceramics for dielectric resonator applications. *Journal of Materials Science: Materials in Electronics*, 29(15), 13220-13228. (IF=2.195)
- Akhtar, N., Rafique, H. M., Atiq, S., Aslam, S., Razaq, A., & Saleem, M. (2018). Dielectric based energy storage capacity of sol-gel synthesized Sr-doped ZrTiO₄ nanocrystallites. *Ceramics International*, 44(6), 6705-6712. (IF=3.45)
- Gill, A. N., Iftikhar, A., Rashid, A., Amin, M., Khan, R. R. M., Rafique, H. M. & Adnan, A. (2018). Lipase-catalyzed green synthesis of starch–maleate monoesters and its characterization. *Journal of the Iranian Chemical Society*, 15(9), 1939-1945. (IF= 1.742)
- Hanif, Y., & Saleem, U. (2019). Broken and unbroken PT-symmetric solutions of semi-discrete nonlocal nonlinear Schrödinger equation. *Nonlinear Dynamics*, 98(1), 233-244. (IF = 4.604)
- Sarfraz, H., & Saleem, U. (2019). Integrable discretizations of AB system and multi-soliton solutions. *Communications in Nonlinear Science and Numerical Simulation*, 79, 104921. (IF = 3.967)
- Hanif, Y., Sarfraz, H., & Saleem, U. (2019). General, symmetry non-preserving and preserving multiple soliton solutions of long wave-short wave resonant models. *Chaos, Solitons & Fractals*, 125, 119-138. (IF = 3.064)
- Hanif, Y., & Saleem, U. (2019). Exact solutions of semi-discrete sine-Gordon equation. *The European Physical Journal Plus*, 134(5), 200. (IF = 2.612)
- Ali, R., Zamir, B., & Shah, H. A. (2018). Transverse electric surface waves in a plasma medium bounded by magnetic materials. *Results in physics*, 8, 243-248. (IF=3.042)
- Zamir, B., & Ali, R. (2018). Characteristics of TE Surface Waves in a Plasma Medium Bounded by Nonlinear Metamaterials. *Journal of the Korean Physical Society*, 72(10), 1166-1173. (IF=0.630)



- Zamir, B., Ali, R., & Bashir, M. (2019). Electromagnetic wave propagation in a superconducting parallel-plate waveguide filled with an indefinite medium. *Results in Physics*, 13, 102312. (IF=3.042)
- Z. Amjad and B. Haider. (2019) Quasigrammian solutions of generalized SUSY Heisenberg magnet model, *Theoretical and Mathematical Physics*, 199 (3): 784-797
- Bakar, A., Afzal, M., Bashir, M., Afaq, A., Iftikhar, A., Aziz, F., & Asif, M. (2019). Computational investigations of MnNiCuSb alloy for structural, elasto-mechanical and vibrational properties. *Modern Physics Letters B*, 33(23), 1950276.
- Hassan, M., Akhtar, N., Mahmood, Q., & Laref, A. (2018). First principles study of electronic structures of Cd_{0.9375}Co_{0.0625}X (X= S, Se, Te) for magnetic, optical and thermoelectric device applications. *Materials Science and Engineering: B*, 238, 50-60. (IF = 3.507)
- Murtaza, G., Osama, S. M. A., Saleem, M., Hassan, M., & Watoo, N. R. K. (2018). Structural, optical, and photocatalytic properties of Cd 1– x S: La x nanoparticles for optoelectronic applications. *Applied Physics A*, 124(11), 778. (IF = 1.784)
- Rashid, M., Mahmood, Q., Hassan, M., Yaseen, M., & Laref, A. (2019). Optoelectronic and thermoelectric behavior of XIn₂Te₄ (X= Mg, Zn and Cd) for energy harvesting application; DFT approach. *Physica Scripta*. (IF = 2.151)
- Mahmood, Q., Yaseen, M., ul Hassan, M., Rashid, M. S., Tlili, I., & Laref, A. (2018). The first principle study of mechanical, optoelectronic and thermoelectric properties of CsGeBr₃ and CsSnBr₃ perovskites. *Materials Research Express*. (IF = 1.449)
- Mahmood, Q., Hassan, M., Yaseen, M., & Laref, A. (2019). Half-metallic ferromagnetism and optical behavior in alkaline-earth metals based Beryllium perovskites: DFT calculations. *Chemical Physics Letters*, 729, 11-16. (IF = 1.901)
- Mahmood, Q., Rashid, M., ul Hassan, M., Yaseen, M., Laref, A., & Haq, B. U. (2019). Engineering of bandgap and optical properties of In x Ga 1-x (As/Sb) via across composition alloying for solar cell applications using density functional theory based approaches. *Physica Scripta*. (IF = 2.151)
- Mahmood, Q., Hassan, M., Rashid, M., Haq, B. U., & Laref, A. (2019). The systematic study of mechanical, thermoelectric and optical properties of lead based halides by first principle approach. *Physica B: Condensed Matter*, 571, 87-92. (IF = 1.874)
- Majid, Farzana, et al. "Structural and Optical Properties of Multilayer Heterostructure of CdTe/CdSe Thin Films." *Zeitschrift für Physikalische Chemie* 233.9 (2019): 1215-1231 (IF = 1.021)
- Ata, S., Shaheen, I., Ghafoor, S., Sultan, M., Majid, F., Bibi, I., & Iqbal, M. (2018). Graphene and silver decorated ZnO composite synthesis, characterization and photocatalytic activity evaluation. *Diamond and Related Materials*, 90, 26-31. (IF = 2.29)



- Majid, F., Rauf, J., Ata, S., Bibi, I., Yameen, M., & Iqbal, M. (2019). Hydrothermal Synthesis of Zinc Doped Nickel Ferrites: Evaluation of Structural, Magnetic and Dielectric Properties. *Zeitschrift für Physikalische Chemie*, 233(10), 1411-1430. (IF = 1.021)
- Ata, S., Tabassum, A., Bibi, I., Majid, F., Sultan, M., Ghafoor, S., ... & Iqbal, M. (2019). Lead Remediation Using Smart Materials. A Review. *Zeitschrift für Physikalische Chemie*, 233(10), 1377-1409. (IF = 1.021)
- Bibi, I., Hussain, S., Majid, F., Kamal, S., Ata, S., Sultan, M., ... & Nazir, A. (2019). Structural, dielectric and magnetic studies of perovskite $[Gd_{1-x}M_xCrO_3]$ ($M = La, Co, Bi$) nanoparticles: photocatalytic degradation of dyes. *Zeitschrift für Physikalische Chemie*, 233(10), 1431-1445. (IF = 1.021)
- Ajmal, S., Bibi, I., Majid, F., Ata, S., Kamran, K., Jilani, K., ... & Iqbal, M. (2019). Effect of Fe and Bi doping on $LaCoO_3$ structural, magnetic, electric and catalytic properties. *Journal of Materials Research and Technology*, 8(5), 4831-4842. (IF = 3.327)
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- Riaz, M., & Kanwal, N. (2019). An improved parallel plate capacitor apparatus for the estimation of dielectric constants of solid materials. *European Journal of Physics*. (IF = 0.861)
- Rehman, K. M. U., Riaz, M., Liu, X., Khan, M. W., Yang, Y., Batoo, K. M. & Khan, M. (2019). Magnetic properties of Ce doped M-type strontium hexaferrites synthesized by ceramic route. *Journal of Magnetism and Magnetic Materials*, 474, 83-89. (IF=2.683)
- Rehman, K. M. U., Liu, X., Riaz, M., Yang, Y., Feng, S., Khan, M. W., ... & Batoo, K. M. (2019). Fabrication and characterization of Zinc Telluride ($ZnTe$) thin films grown on glass substrates. *Physica B: Condensed Matter*, 560, 204-207. (IF=1.874)
- Rasul, M. N., Javed, A., Khan, M. A., & Hussain, A. (2019). Study of the structural, mechanical, electronic and magnetic properties of quaternary $YFeCrX$ ($X = Al, Ga, In, Si, Ge, Sn, P, As, Sb$) Heusler alloys. *Journal of Magnetism and Magnetic Materials*, 476, 398-411. (IF = 2.683)
- Rasul, M. N., Javed, A., Khan, M. A., & Hussain, A. (2019). Structural stability, mechanical, electronic and magnetic behaviour of quaternary $ScNiCrX$ ($X = Al, Ga$) Heusler alloys under pressure. *Materials Chemistry and Physics*, 222, 321-332. (IF = 2.781)



- Javed, A., Szumiata, T., Sarwar, A., & Fatima, T. (2019). Structure and Mössbauer spectroscopy studies of $\text{NiO} \cdot 5\text{ZnO} \cdot 5\text{Nd} \cdot \text{Fe}_{2-x}\text{O}_4$ ($0.00 \leq x \leq 0.10$) ferrites. *Materials Chemistry and Physics*, 221, 99-107. (IF = 2.781)
- Nabi, J. U., Shehzadi, R., & Majid, M. (2019). Neutrino cooling rates due to nickel isotopes for presupernova evolution of massive stars. *New Astronomy*, 71, 12-24. (IF=1.162)
- **Conferences, Seminars and Workshops, etc.**
 - PU International Symposium on Advanced Energy Storage Materials, Organized by Department of Physics, PU, Lahore-Pakistan (November 04-06, 2019).
 - PU-Physics Workshop and Lecture Series on Integrable Systems and Nonlinear Physics, Department of Physics, PU, Lahore-Pakistan (November 13-21, 2019).
- **Research Journals**

The following journals are received regularly:

 - Cern Courier
 - Nuclear Engineering & Technology
 - Microscopy & Analysis
 - Most of the journals are freely available online

RESEARCH COLLABORATION

- **Indigenous**

Faculty members are collaborating with other institutions for their research which includes, Center for Solid State Physics, GCU Lahore, GCU Faisalabad, PINSTECH, PCSIR, INMOL etc.
- **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 SPACE SCIENCE

- **Research & Development An Overview**

Research and Development is the integral part of the curricula of all our academic programs. 80 to 90 percent students of academic programs opt the research & report writing (as a paper titled 'Thesis') during the last semester. However, internships are also done by the students. Research and report writing for M.Phil and PhD scholars is mandatory. Software relating to research and development are available as well as hardware.



○ **Publications:**

Sr. No.	Name of Author	Title of Paper/Article
1	Salman Tariq and Zia ul-Haq, 2019	Investigating the Aerosol Optical Depth and Angstrom Exponent and their Relationships with Meteorological Parameters over Lahore in Pakistan. Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, https://doi.org/10.1007/s40010-018-0575-6 , ISSN: 0369-8203 (Print) 2250-1762 (Online). Impact factor 0.681
2	Mahmood K., Ul-Haq Z., Faizi F., Batool S. A., 2019.	A Comparison of Satellite Based Indices for Hazard Assessment of MSW Open Dumps Using Spatial Analysis. Waste Management & Research (I.F. 2.015), 37(3): 219-236.
3	Batool, R., Mahmood, K., Ahmad, S. R., Naeem, M. A., 2019.	Geographic Scenario of Drinking Water Quality of Lahore Metropolitan, Pakistan, In Response to Urbanization and Water Demand: A GIS Perspective. Applied Ecology and Environmental Research (I.F. 0.721), 17(2):3973-3988.
4	Ul-Haq Z., Batool S. A., Tariq S., Rana A. D., Mahmood K., Chaudhary M. N., Naeem, M. A., 2018.	Temporal and spatial variations of NO ₂ over Saudi Arabia and identification of major hotspot area during 2005-2014 using satellite data. Applied Ecology and Environmental Research (I.F. 0.721), 16 (5): 5757-5770.
5	Pervez Khalid, Jahanzeb Qureshi, Zia Ud Din, Sami Ullah and Javed Sami,	“Effect of Kerogen and TOC on Seismic Characterization of Lower Cretaceous Shale Gas Plays in Lower Indus Basin, Pakistan”, Journal Geological Society of India, I.F.=.994, 94: 319-327 (Sep. 2019)
6	Muhammad Atif Butt, Khadija Nisar, Syed Amer Mahmood, Javed Sami, Jahanzeb Qureshi and Ghulam Jaffer,	“Toward GIS-Based Approach for Identification of Ecological Sensitivity Areas: Multi-Criteria Evaluation Technique for Promotion of Tourism in Soon Valley, Pakistan”, Journal of the Indian Society of Remote Sensing, I.F= 0.810, 47(9): 1527–1536 (Sep. 2019) https://doi.org/10.1007/s12524-019-00971-1
7	Muhammad A. Butt, A. Khalid, A. Ali, S. A. Mahmood, J. Sami, J. Qureshi, K. Waheed and A. Khalid,	“Towards a Web GIS-based approach for mapping a dengue outbreak”, Applied Geomatics, RG I.F=0.37, pp:1-11 Aug. (2019).
8	Jahanzeb Qureshi, Syed Amer Mahmood, Amer Masood, Pervez Khalid and Imran Siddique Kaukab.	“DEM and GIS based Hypsometric Analysis to study Tectonics and Lithologies in Southern Suleman Fold and Thrust Belt (Balochistan–Pakistan)”, Arabian Journal of Geosciences, I.F= 1.141, (March 2019) 12:144, https://doi.org/10.1007/s12517-019-4283-6



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

- Jahanzeb QURESHI, Ajmal SHAD, Syed Amer MAHMOOD, Javed SAMI, Amer MASOOD, 'Investigation of Flood Routing Using Remote Sensing and Local Station Rainfall Data' at 4th ICOCEM (International Conference on Civil Environmental geology and Mining Engineering) conference held on April 20 – 22, 2019 at Trabzon, TURKEY.
- Amer Masood, Sara Fayaz, Syed Amer Mahmood and Jahanzeb Qureshi, "Estimation of Water Volume in a Dam Reservoir Through RS/GIS at 4th ICOCEM (International Conference on Civil Environmental geology and Mining Engineering) conference held on April 20 – 22, 2019 at Trabzon, TURKEY.
- Jahanzeb Qureshi, Salsabeel Munir, Syed Amer Mahmood, Amer Masood and Javed Sami, "Effect of Latitudinal and Topographical Variation of Maximum and Minimum Temperature across Pakistan during Summer 2016" at ES2019 (Emerging Scientist) International Conference by Asian Council of Scientific Editors, on March 30-31, 2019 at Faisalabad, Pakistan.
- Amer Masood, Sarmad Umair, Safder Hussain³, Syed Amer Mahmood, Jahanzeb Qureshi and Javed Sami, A Study of Ground Water Quality of Lahore (A Case Study of Allama Iqbal Town) Using GIS Techniques at ES2019 (Emerging Scientist) International Conference by Asian Council of Scientific Editors, on March 30-31, 2019 at Faisalabad, Pakistan.

INSTITUTE OF CHEMISTRY

○ **Research and Development: An Overview**

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. Almost all faculty member win University Research Projects Around 60 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.
- ANMOL, 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 55 graduates of B.S. Applied Geology, 83 M.Phil. Applied Geology degree programs and 01 Ph.D in the discipline of Geology during the academic year 2018-19.

○ **Project: Newly launched**

Sr. No.	Investigator	Amount (Rs.)	Sponsoring Agency	Duration (year)
1	Prof. Dr. Naveed Ahsan	250,000	University of the Punjab, Lahore	01 year
2	Prof. Dr. Shahid Ghazi	250,000	-do-	-do-
3	Dr. Mian Sohail Akram, Associate Prof.	150,000	-do-	-do-
4	Dr. M. Armaghan Faisal Miraj, Assistant Prof.	150,000	-do-	-do-
5	Mr. Shahid Ali, Lecturer	125,000	-do-	-do-

○ **Publications**

Dr. Mian Sohail Akram

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.	Ullah, M. F., Alamri, A. M., Mehmood, K., Akram, M. S. , Rehman, F., Rehman, S. U., & Riaz, O.	Coal mining trends, approaches, and safety hazards: a brief review	Arabian Journal of Geosciences	11: 651	1.224			



2.	Akram, M. S., Ahmed, L., Ullah, M. F., Rehman, F., & Ali, M.	Numerical Verification of Empirically Designed Support for a Headrace Tunnel	Civil Engineering Journal	4(11) : 2575 - 2587		X		
3.	Ullah, M. F., Mahmood, K., & Akram, M. S.	Coal mining trends and future prospects: A case study of Eastern Salt Range, Punjab, Pakistan.	Journal of Himalayan Earth Sciences	51(2 A): 87- 93		X		
4.	Akram, M. S., Mirza, K., Zeeshan, M., & Ali, I.	Correlation of Tectonics with Geologic Lineaments Interpreted from Remote Sensing Data for Kandiah Valley, KhyberPakhtun khwa, Pakistan	Journal of the Geological Society of India	93: 607- 613	0.994			
5.	Akram, M. S., Zeeshan, M., Mirza, K., Ahmed, L., Noor, A., & Ali, M.	Slope stability analyses using classification systems and numerical methods: case study from Lower Dir, Khyber Pakhtunkhwa, Pakistan	Himalayan Geology	40:6 7-77	0.333			
6.	Akram, M. S., Noor, A., Ullah, M. F., Ahmed, L., Rehman, F., & Ali, M.	Squeezing Assessment Along 2.84?km?Long Headrace Tunnel of a Small Hydropower Project in KPK, Pakistan: Comparison of Different Methods	International Journal of Geosynthetics and Ground Engineering	5:19		X		



7.	Akram, M. S., Mirza, K., Ali, U., & Zeeshan, M.	Geotechnical and Hydrological Characterization of Subsurface for Metallic Minerals Mining Operations in Punjab, Pakistan	Open Journal of Geology	9(11) : 752- 767		X		
8.	Akram, M. S., Ullah, M. F., Rehman, F., Ali, M., Ahmed, L., & Gillani, A. A.	Stability Evaluation of Slopes Using Kinematic and Limit Equilibrium Analyses in Seismically Active Balakot, KPK, Pakistan	Open Journal of Geology	9(11) : 795- 808		X		
9.	Akram, M. S., Zeeshan, M., Haroon, M., & Mirza, K.	Assessment of Rock Mass Quality and Support Estimation along Headrace Tunnel of a Small Hydropower in District Mansehra, Khyber Pakhtunkhwa, Pakistan	Open Journal of Geology	9(11) : 809- 828		X		

Dr. Pervez Khalid

Sr. No	Authors & Co- Authors	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact factor (if)	HEC Recog	Other	Conferences Proceedings
10.	Khalid P., Din Z.U., Ullah S., Qureshi J., and Sami J.	Effect of Kerogen and TOC on Seismic Characterization of Lower Cretaceous Shale Gas Plays in Lower Indus Basin, Pakistan. doi.org/10.1007/s12594-018-1042-3	The Geological Society of India	94(3) : 319 – 327	0.994			



11.	Ahmad M., Ahmed N., Khalid P. , Badar M.A., Akram S., Hussain M., Anwar M.A., Mahmood A., Ali S., and Rehman A.U.	Impact of pore fluid heterogeneities on angle-dependent reflectivity in poroelastic layers: A study driven by seismic petrophysics. doi.org/10.12989/gae.2019.17.4.343	Geomechanics and Engineering	17(4) : 343 – 354	2.594			
12.	Khalid P. , Sanaullah M., Sardar J.M., and Iman S.	Estimating active storage of groundwater quality zones in alluvial deposits of Faisalabad area, Rechna Doab, Pakistan. doi.org/10.1007/s12517-019-4372-6	Arabian Journal of Geosciences	12(6) : 1 – 9, Paper ID 260	1.141			
13.	Qureshi J., Mahmood S.A., Masood A., Khalid P. , and Kaukab I.S.	DEM and GIS-based hypsometric analysis to study tectonics and lithologies in southern Suleiman fold and thrust belt (Balochistan–Pakistan). doi.org/10.1007/s12517-019-4283-6	Arabian Journal of Geosciences	12(6) : Paper ID 144	1.141			
14.	Khalid P. and Akhtar S.	Improved Electrofacies Analysis And Reservoir Characterization By Using An Integrated Approach In Punjab Platform, Central Indus Basin, Pakistan.						4 th International Conference on Civil, Environmental, Geology and Mining Engineering (ICOCCEM 2019) April 20 – 22 Trabzon, Turkey.



15.	Khurram S. and Khalid P.	Prevention of Seismic Risk and Hazards in Urbanization in Earthquake Prone Areas.						4 th International Conference on Civil, Environmental, Geology and Mining Engineering (ICOCEM 2019)" April 20 – 22 Trabzon, Turkey.
16.	Muhammad S., Khalid P. and Farid A.	Variogram Aided Electrical Resistivity Modeling to Investigate Hydrostratigraphy of Southern Peshawar Basin, Pakistan.						4 th International Conference on Civil, Environmental, Geology and Mining Engineering (ICOCEM 2019)" April 20 – 22 Trabzon, Turkey

Dr. M. Armaghan Faisal

Sr. No	Authors & Co-Authors	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact factor (if)	HEC Recog	Other	Conferences Proceedings
17.	Mehmood, H., Miraj, M. A. F. , Ahsan, N	Determination of Paleostress Inversion from Eocene Fractured Limestone, Eastern Salt Range, Potwar Plateau, NW Himalayas, Pakistan.	Journal of Structural Geology				In review process	
18.	Miraj, M. A. F. , Ahsan, N., Bano, I.,	Paleostress inversion technique using fracture data sets along MBT, NW Himalayas Pakistan.	Journal of Structural Geology				In review process	



19.	Miraj, M. A. F. , Clausen, Ole Rønø., Ahsan, Naveed.,	Comparative Analysis of Salt Structures in Southern North Sea, Dutch offshore.	Arabian Journal of Geosciences				In review process	
20.	Miraj, M. A. F. , Ahsan, Naveed, Manzoor, Wajid.,	Numerical Modeling of Cenozoic Compressional Events of NW Himalayas, Pakistan.						Oral presentation at World Multidisciplinary Earth Sciences Symposium - WMESS 2019, September 9-13 September, Prague, Czech Republic.
21.	Rai Hamood Inam, Mohammad Irfan Khan, Mahmood ul Zafar, Muhammad Armaghan Faisal Miraj	Stress Field and Fracture Analysis of Paleocene Rock Unit Using Borehole Image Data and 3-D Seismic Interpretation of Kohat Foreland Basin, Pakistan.						May 19-22 2019 – 2019 AAPG Annual Convention and Exhibition, San Antonio, Texas.
22.	Naveed Ahsan, Tariq Mahmood, Syeda Fakiha Ali Zaidi, Ayesha Ejaz, Syed Irfan Ali Zaidi, and Muhammad Armaghan Faisal Miraj	Danian clastic shelf face shift on time transgressive surface in Kashmir and adjoining basins, NW Himalaya, Pakistan						Geophysical Research Abstracts Vol. 21, EGU2019-18259, 2019 EGU General Assembly 2019
23.	Muhammad Shoaib Ayyaz, Miraj, M. A. F. , Ahsan, Naveed,	Numerical Modelling of Compressional Features of Hazara Basin and Potwar Region Pakistan.						Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019



24.	Hamas ul Ghani, Miraj, M. A. F. , Ahsan, Naveed,	Strucural Restoration of Bara Gali-Dunga Gali Area Hazara Basin, Pakistan						Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019
25.	Iqra Bano, Miraj, M. A. F. , Ahsan, Naveed,	Paleostress Analysis and Outcrop Fracture Pattern along Main Boundary Thrust (MBT), NW Himalayas, Pakistan.						Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019
26.	Ramsha Rauf, Miraj, M. A. F. , Ahsan, Naveed	Structural Styles and Subsurface Geology of Jacobabad-Khairpur High, Lower Indus Basin, Pakistan.						Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019

Mr. Muhammad Sanaullah

Sr. No	Authors & Co-Authors	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact factor (if)	HEC Recog	Other	Conferences Proceedings
27.	Sanaullah, M. , Soomro, S.H., Zaman' N., <i>Laghari, A.Q.</i> , Jalbani, N.B., Kamran, M. and Abbasi, E.A.	"Synthesis and Characterization of Poly (styrene)-block-Poly (acrylic acid) and Organoclay Based Hybrid Composite Materials".	Engineering, Technology & Applied Science Research.	8 (5)			International JCR	
28.	Muhammad Sanaullah, Abdul Jabbar Khan, Naveed Ahsan, Gulraiz Akhter	Appraisal of Geotechnical Characteristics of Ormara Soil, Baluchistan, Pakistan	International Journal of Economic and Environmental Geology	10(3)		"Y"		



29.	Muhammad Sanaullah, Abdur Rehman, Muhammad Kamran, Ejaz Ahmed Abbasi, Muhammad Qasim Mahmood, Muhammad Imran	Optimized Agricultural Scenarios of Proposed Kalabagh Dam under Conjunctive Operation of Tarbela and Kalabagh Reservoirs Using Agro-Economic Model	Springer Link book series "Advances in Science, Technology and Innovation" (ASTI)					2nd Conference of the Arabian Journal of Geosciences (CAJG 2019) Sousse, Tunisia from 25 to 28 November 2019.
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○ **Conferences, Seminars and Workshops, etc.**

Organized

- A three day workshop on "Well Logs Interpretation" was organized by the Institute of Geology in collaboration with Vizdom Solutions, Oil & Gas Services Company from 27-29 March, 2019.
- A seminar on "Well life cycle and exploration of hydrocarbons" on 2 Dec. 2019 by Mustagees Ahmad from Schlumberger, Islamabad, Pakistan.
- A seminar on "Petro physical of shale gas reservoir: A practical approach" on 11 Dec 2019 by Atif Iqbal, PhD Scholar at Curtin University, Australia.

Participated

- Prof. Dr. Naveed Ahsan participated in International Conference to present his paper titled "Danian Clastic Shoreface Shift on Time Transgressive Surface in Kashmir and adjoining Basins, NW Himalaya, Pakistan" in EGU General Assembly 2019 held in Vienna, Austria from April 7-12, 2019.
- Prof. Dr. Naveed Ahsan attended a Geological Society of America (GSA) Annual Meeting and Exposition held from 22-25 September, in Phoenix, Arizona, USA.
- Prof. Dr. Naveed Ahsan, Dr. M. Armaghan Faisal and students participated in a day course on 1st September 2018 regarding Paper Presentation Contest 2018 at Islamabad organized by the Pakistan Association of Petroleum Geoscientists.
- Dr. M. Armaghan Faisal participated in Annual Technical Conference (ATC) 2019, held at Serena Hotel, Islamabad on 19-20 November 2019.
- Dr. M. Armaghan Faisal participated in World Multidisciplinary Earth Sciences Symposium - WMESS 2019, September 9-13 September, Prague, Czech Republic.

○ **Research Journals**

Institute of Geology publishes an annual research journal "The Geological Bulletin of the Punjab University" up-coming Vol. 46 & 47 is under printing process.



RESEARCH COLLABORATION

- **Indigenous**
 - Research collaboration with Pakistan Association of Petroleum Geologists (PAPG).
 - Research collaboration with Oil & Gas Training Institute (OGTI) and Oil & Gas Development Corporation (OGDCL), Islamabad.
 - Research Collaboration with Pakistan Petroleum Limited (PPL), Karachi
- **Foreign Linkages**
 - Linkages with Seismic Micro Technology Inc. Katy Freeway, Houston Texas, USA.
 - Hydrological Institute, Sweden
 - M/S Thies, Germany

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Research and Development**
In order to promote the research culture and activities, a research advisory committee has been constituted, which is responsible for setting up guidelines pertaining to MPhil and PhD degree programs, as well.

Furthermore, research labs in the following areas have been established:

- Computer Vision
- Parallel and Distributed Computing
- Internet of Things
- Artificial Intelligence and Multidisciplinary Research Lab
- Cloud Computing
- Image & vision Computing Lab
- Information systems lab / Natural Language Processing Lab
- Compiler & HPC Lab/ Imaging & Data Science Lab

The above mentioned labs are being used for conducting research, by the graduate students.

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

Name of Author	Title of Paper/Article
Batool, W., Mubasher, M. M., Jaffry, S. W.,	Modeling Task Capability in Full Velocity Differential Model. In proceedings of 2nd International Conference on Advancements in Computational Sciences (ICACS'19), Lahore, Pakistan, 2019, pp. 1-5. [BEST PAPER AWARD]
Sarwar, S., Rauf, S., Rasheed, R., Aslam, L.,	Energy-aware Routing in Internet of Things (IoT), 2nd International Conference on Communication, Computing and Digital Systems (C-CODE' 19), March 2019. ACCEPTED FOR PUBLICATION
Sarwar, S., Rasheed, R., Tariq, A., Aslam, L.,	Importance of Trickle Algorithm in IoT, 2nd International Conference on Communication, Computing and Digital Systems (C-CODE' 19), March 2019. ACCEPTED FOR PUBLICATION



M.H. Khan, M.S. Farid, M. Zahoor, M. Grzegorzek,	Cross-view Gait Recognition using Non-linear View Transformations of Spatiotemporal Features," in Proc. 25th IEEE International Conference on Image Processing (ICIP), pp. 773{777, Oct. 2018
Mehwish Kyani	Conference Title: 2019 Third World Conference on Smart Trends in Systems Security and Sustainability (WorldS4), London, United Kingdom, 2019.
Dr. Waqar ul Qounain	Attended, Conference on "Discourse of Nation Building" 2019, March 26th, University of the Punjab, Lahore, Pakistan.
Dr. Waqar ul Qounain	Attended, International Conference on Advancements in Computational Sciences 2019 (ICACS'19), February 18th – 20th, University of Lahore, Lahore, Pakistan.
Dr. Waqar ul Qounain	Attended, International Conference on Intelligent Technologies and Applications (INTAP 2018) October 23rd – 25th, 2018, Islamia University, Bahawalpur, Pakistan.
Dr. Waqar ul Qounain	Participated, Project Evaluation Judgein "8th Invention to Innovation Summit", April 2nd– 3rd, 2019 at Center of Excellence in Molecular Biology (CEMB), University of the Punjab, Lahore, Pakistan.
Dr. Waqar ul Qounain	Presented, Invited Talk on "Machine Learning and Autonomous Systems in the Military Realm", in Expert Workshop on Mapping the Impact of Machine Learning and Autonomy on Strategic Stability and Nuclear Risk by Stockholm International Peace Research Institute (SIPRI), February 25th – 26th , 2019, Colombo, Sri Lanka.
Dr. Waqar ul Qounain	Presented, Invited Talk on "Conducting Science using Modeling and Simulation", December 21st– 22nd, 2018 at International Conference on Emerging Trends in Engineering, Science and Technology (ICEEST 2018), Iqra University, Karachi, Pakistan.
Dr. Waqar ul Qounain	Presented, Invited Talk on "Computational Methods for Intelligent Transportation System", December 19th – 21st, 2018 at Al-Khawarizmi Institute of Computer Science, University of Engineering and Technology, Lahore, Pakistan.

Workshops Organize

Name of Faculty Member	Workshops
Dr. Waqar ul Qounain	Technical Co-Chair, Artificial Intelligence and Robotics in International Conference on Advancements in Computational Sciences 2019 (ICACS'19), February 18 th – 20 th , University of Lahore, Lahore, Pakistan.



Dr. Waqar ul Qounain	Full-day Workshop on “Intelligent Transportation Systems”, February 15 th , 2019 at National Center of Artificial Intelligence (NCAI), Punjab University College of Information Technology (PUCIT), University of the Punjab, Lahore, Pakistan.
Dr. Waqar ul Qounain	Full-day Hands-on Workshop on “Exploratory Data Analytics”, December 13 th , 2018 at Data Strategy and Analytics Division, Habib Bank Limited (HBL), Karachi, Pakistan.
Dr. Waqar ul Qounain	Full-day Hands-on Workshop on “Model Generalization”, November 22 nd , 2018 at Data Strategy and Analytics Division, Habib Bank Limited (HBL), Karachi, Pakistan.
Dr. Waqar ul Qounain	Full-day Hands-on Workshop on “Regression Analysis”, November 15 th , 2018 at Data Strategy and Analytics Division, Habib Bank Limited (HBL), Karachi, Pakistan.
Dr. Waqar ul Qounain	Session Chair, International Conference on Intelligent Technologies and Applications (INTAP 2018) October 23rd – 25th, 2018, Islamia University, Bahawalpur, Pakistan.

Workshops Organize

Name of Faculty Member	Workshops
Dr. Waqar ul Qounain	Technical Co-Chair, Artificial Intelligence and Robotics in International Conference on Advancements in Computational Sciences 2019 (ICACS'19), February 18 th – 20 th , University of Lahore, Lahore, Pakistan.
Dr. Waqar ul Qounain	Full-day Workshop on “Intelligent Transportation Systems”, February 15 th , 2019 at National Center of Artificial Intelligence (NCAI), Punjab University College of Information Technology (PUCIT), University of the Punjab, Lahore, Pakistan.
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Dr. Waqar ul Qounain	Session Chair, International Conference on Intelligent Technologies and Applications (INTAP 2018) October 23rd – 25th, 2018, Islamia University, Bahawalpur, Pakistan.

Workshop Attended



Name of Faculty Member	Workshops
Dr. Waqar ul Qounain	Attended, Lecture on Kinematics and Dynamics of Mobile Robots, October 15 th , 2018 at Department of Electrical Engineering, School of Science and Engineering, Lahore University of Management Sciences (LUMS), Lahore, Pakistan.
Dr. Waqar ul Qounain	Attended, 15th Workshop on Field and Assistive Robotics (WFAR), October 13 th , 2018 at National Agriculture Robotics Laboratory, National Center for Robotics and Automation, Lahore University of Management Sciences (LUMS), Lahore, Pakistan.
Dr. Waqar ul Qounain	Attended, 4th Workshop on Precision Agriculture and Forestry (WPAF), October 12 th , 2018 at National Agriculture Robotics Laboratory, National Center for Robotics and Automation, Lahore University of Management Sciences (LUMS), Lahore, Pakistan.
Dr. Waqar ul Qounain	Attended, Conversations on Deep Learning Lecture, October 11 th , 2018 at Department of Electrical Engineering, School of Science and Engineering, Lahore University of Management Sciences (LUMS), Lahore, Pakistan.

Seminars arranged by the Department

Speaker	Seminar
Prof. Dr. Alessandro Ricci	Seminar on "Agent-based Digital Twins - Blending Digital and Physical Worlds", February 22 nd , 2019 at National Center of Artificial Intelligence (NCAI), Punjab University College of Information Technology (PUCIT), University of the Punjab, Lahore, Pakistan.

○ Publications

Sr. No.	Name of Faculty Member	Title of Book	Year of Publication	Name of Publisher
1	Nasar, Z., Jaffry, S. W., Malik, M. K.,	<i>Tagging Assistant for Scientific Articles</i> . In Communications in Computer and Information Science (CCIS) Springer Verlag, 2019, vol. 932, pp. 351-362	2019	--



2	Sharaft, S., Nasar, Z., Jaffry, S. W	<i>Legal Data Mining from Civil Judgments</i> . In Communications in Computer and Information Science (CCIS) Series, Springer Verlag, 2019, vol. 932, pp. 426-436	2019	--
3	M.H. Khan, Human	Activity Analysis in visual Surveillance and Healthcare, Logos Ver-lag	2018	Berlin GmbH

○ **Research Journals**

Name of Author	Title of Paper/Article
Sharaft, S., Nasar, Z., Jaffry, S	Data Mining for Smart Legal Systems, Computers and Electrical Engineering, vol. 78, Elsevier, B. V. 2019, pp. 328-342. Impact Factor 2.189.
Nasar, Z., Jaffry, S. W., Malik, M. K.,	Textual Keyword Extraction and Summarization: State of the Art, Information Processing and Management: An International Journal, vol. 56, no. 6, Elsevier, V. B. 2019, page 102088. Impact Factor 3.892.
Sadiq, U., Yousaf, M. M., Aslam, L., Aleem, M., Sarwar, S., Jaffry, S. W., NvPD:	Novel Parallel Edit Distance Algorithm, Correctness, and Performance Evaluation, Cluster Computing, The Journal of Networks, Software Tools and Applications, Springer Nature, Switzerland AG. 2019, pp. 1-16. Impact factor 1.851.
Iftikhar, A., Jaffry, S. W., Malik, K.,	Information Mining from Criminal Judgments of Lahore High Court, IEEE Access, vol. 7, IEEE. 2019, pp. 59539-59547. Impact factor 4.098.
Mubasher, M. M., Jaffry, S. W., Yousaf, M. M., Bajwa, I., Sarwar, S., Aslam, L.,	A Smart Integrated Environment for Vehicular Traffic Simulation, International Journal of Communication Systems, vol. 32 no. 13, 2019, John Wiley & Sons. Impact factor 1.717.
Mubasher, M. M., Jaffry, S. W.,	Modeling of Individual Differences in Driver Behavior, Journal of Ambient Intelligence and Humanized Computing, Springer International Publishing, 2019, pp. 1-14. Impact factor 1.910.
Nasar, Z., Jaffry, S. W., Malik, M. K.,	Information Extraction from Scientific Articles: A Survey, Scientometrics, vol. 117, no. 3, Springer International Publishing, 2018, pp. 1931-1990. Impact Factor 2.147.
M. M. Mubasher, S. W. Jaffry, M. M. Yousaf, I. S. Bajwa, S. Sarwar, L. Aslam, ""	International Journal of Communication Systems (IF 1.278), vol. 32(13), pp. e4029, 2019
M. U. Sadiq, M. M. Yousaf, L. Aslam, M. Aleem, S. Sarwar, S. W. Jaffry, "NvPD:	Novel Parallel Edit Distance Algorithm, Correctness, and Performance Evaluation", Cluster Computing (IF 1.851), 2019. https://doi.org/10.1007/s10586-019-02962-w



S. Sarwar, S. Rauf, R. Rasheed, L. Aslam,	"Energy-aware Routing in Internet of Things (IoT)", IEEE 2 nd International Conference on Communication, Computing and Digital Systems (C-CODE), Islamabad, March 2019
S. Sarwar, R. Rasheed, M. A. Tariq, L. Aslam,	"Importance of Trickle Algorithm in IoT", IEEE 2 nd International Conference on Communication, Computing and Digital Systems (C-CODE), Islamabad, March 2019
L. Aslam, S. Sarwar, M. M. Yousaf, S. W. Jaffry,	"Computational Complexity of Cycle Discrepancy", Sindh University Research Journal – SURJ (Science Series) vol. 50 (4), pp. 537-540, December 2018
Mustafa, S., Sattar, K., Shuja, J., Sarwar, S., Maqsood, T., Madani, S., Guizani, S.,	"SLA-aware Best Fit Decreasing Techniques for Workload Consolidation in Clouds," September 2019 IEEE Access vol. 90, pp. 1-11, 2019. https://doi.org/10.1109/ACCESS.2019.2941145 , ISSN: 2169-3536
Ahmad, A., Ahmad, M., Habib, M. A., Sarwar, S., Chaudhry, J., Latif, M. A., Dar, S. H., Shahid, M.,	"Privacy based Medical Data Protection against Internal Security Threats in Heterogeneous Internet of Medical Things," International Journal of Distributed Sensor Networks, vol. 15, no. 9, pp. 1-12, 2019. https://doi.org/10.1177/1550147719875653 , ISSN: 1550-1477
Yasir, M., Habib, A., Sarwar, S., Faisal, N., Ahmad, M., Jabbar, S., "HARPP:	HARnessing Power of Power Sets to Mine Frequent Itemsets," Journal of Information Technology and Control, vol. 48, no. 3, pp. 415-431, 2019. https://dx.doi.org/10.5755/j01.itc.48.3.21137 , ISSN: 2335-884X
Sadiq, M. U., Yousaf, M. M., Aslam, L., Aleem, M., Sarwar, S., Qounain, W. U., "NvPD:	Novel Parallel Edit Distance Algorithm, Correctness, and Performance Evaluation," Cluster Computing, https://doi.org/10.1007/s10586-019-02962-w(0123456789().,-volV)(0123456789().,-volV) , July 2019.
Mubashir, M., Jaffry, S., Yousaf, M. M., Bajwa, I., Sarwar, S., Aslam, L.,	"An Integrated Environment for Vehicular Traffic Simulation", International Journal of Communication Systems, Accepted April 25, 2019, Online Published June 20, 2019, DOI: 10.1002/dac.4029, 2019.
Habib, M. A., Sarwar, S., Adil, F., Latif, M. A., Faisal, N.,	"Performance Enhancement using Parallel Query Execution on Encrypted Data in the context of Database-as-a-Service (DaaS)," The Journal of Supercomputing, vol. 75, pp. 2269-2288, 2019.
Afzal, A., Siddiqi, H. M., Sarwar, S., Rubab, Z., Mujahid, A., "	Polymer-particulate composites with differential interfaces: Synthesis, characterization and mathematical modeling to evaluate interface-yield strength correlations" Colloid and Polymer Science, vol. 297, no. 4, pp. 545-556, April 2019.
KhawarMehmood, Daryl Essam, Kamran Shafi, Muhammad Kamran Malik. 2019.	"Sentiment Analysis for a Resource Poor Language – Roman Urdu". ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP) 19, no. 1 (August 2019): 10. IF=0.788



Nasar, Zara, Syed WaqarJaffry, and Muhammad Kamran Malik.	"Textual keyword extraction and summarization: State-of-the-art." Information Processing & Management 56, no. 6 (2019): 102088 IF = 3.892.
Shahzad, Khurram, SafiaKanwal, Kamran Malik, Faisal Aslam, and Muhammad Ali.	"A word-embedding-based approach for accurate identification of corresponding activities." Computers & Electrical Engineering 78 (2019): 218-229 IF = 2.189
SafiaKanwal, Kamran Malik, KhurramShahzad, Faisal Aslam, and Zubair Nawaz. 2019.	"Urdu Named Entity Recognition: Corpus Generation and Deep Learning Applications". ACM Trans. Asian Low-Resour. Lang. Inf. Process. 19, 1, Article 8 (June 2019), IF=0.788
Iftikhar, Afnan, Syed WaqarUIQounainJaffry, and Muhammad Kamran Malik.	"Information Mining From Criminal Judgments of Lahore High Court." IEEE Access 7 (2019): 59539-59547. IF= 4.098
Mehmood, Khawar, Daryl Essam, Kamran Shafi, and Muhammad Kamran Malik.	"Discriminative Feature Spamming Technique for Roman Urdu Sentiment Analysis." IEEE Access7 (2019): 47991-48002. IF = 4.098
Zara Nasar, Syed WaqarJaffry, and Muhammad Kamran Malik,	"Information extraction from scientific articles: a survey" Scientometrics (2018) IF = 2.173
Tariq, Nida, IqbalJaz, Muhammad Kamran Malik, Zubair Malik, and Faisal Bukhari.	"Identification of Urdu Ghazal Poets using SVM." Mehran University Research Journal of Engineering and Technology 38, no. 4 (2019): 935-944.
Rafique, Ayesha, Muhammad Kamran Malik, Zubair Nawaz, Faisal Bukhari, and Akhtar Hussain Jalbani.	"Sentiment Analysis for Roman Urdu." Mehran University Research Journal of Engineering & Technology 38, no. 2 (2019): 463.
M.H. Khan, M.S. Farid, M. Grzegorzec,	A generic codebook based approach for gait recognition," Multimedia Tools and Applications, pp. 1{24, 2019
M.H. Khan, M.S. Farid, M. Grzegorzec,	Spatiotemporal features of human motion for gait recognition," Signal, Image and Video Processing, pp. 1{8, Sep. 2018



Mehwish Kayani, Saeed-UI Hassan, Naif Radi Aljohani, Darren Dancey, Leo Liu and Raheel Nawaz	Towards Interdisciplinary Research: A Bibliometric View of Information Communication Technology for Development in Different Disciplines
M. Mian and W. Jaffry,	"Modeling of individual differences in driver behavior," J Ambient Intell Human Comput, May 2019. Funded by National Center for Artificial Intelligence (NCAI), University of the Punjab (PU)
M. M. Mubasher, S. W. Jaffry, M. M. Yousaf, I. S. Bajwa, S. Sarwar, and L. Aslam,	"A smart integrated environment for vehicular traffic simulation," International Journal of Communication Systems, vol. 32, no. 13, p. e4029, 2019. Funded by National Center for Artificial Intelligence (NCAI), University of the Punjab (PU)

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.

All the 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.

○ **Publications**

- Shamaila Iram, Muhammad Imran, Farah Kanwal, Shoomaila Latif, and Zafar Iqbal, Morphological, luminescence and gas adsorption studies of Pb (II)-MOFs, 6(2), 025103 (2019).
- Shamaila Iram, Muhammad Imran, Farah Kanwal, Zafar Iqbal, Farah Deebe, Qazi Javed Iqbal, Bismuth (III) based Metal Organic Frameworks: Luminescence, Gas Adsorption, and Antibacterial Studies, Zeitschrift für anorganische und allgemeine Chemie, 645(1), 50 56 (2019).



- Saira Ishaq, Farah Kanwal, Shahid Atiq Mahmoud Moussa, Dusan Losic, Synthesis of three phase graphene/titania/polydimethylsiloxane nanocomposite films and revealing their dielectric and impedance properties, *Ceramics International*, 2019.
- Farah Kanwal, Rabia Rehman, Hassaan Ahmad Warraich, Synthesis of novel Polyaniline composites with *Eriobotrya japonica* leaves for removal of Methyl Red dye from wastewater, *Bulgarian Chemical Communications*, 51(4), 2019 Reference No. 5131.
- Shamaila Iram, Muhammad Imran, Farah Kanwal, Farah Deebe, Qazi Javed Iqbal, Bismuth (III) based Metal Organic Frameworks: Luminescence, Gas Adsorption, and Antibacterial Studies, *Zeitschrift für anorganische und allgemeine Chemie*, 2019, 645, 50-56.
- Aisha Batool, Farah Kanwal, Sumreen Asim, Saira Riaz, Shahid Atiq, Shahzad Naseem, Muhammad Waheed Mushtaq, Zaka Ullah, Thermally stable Polypyrrole/Hemattite Composites with Tunable Dielectric and Magnetic Properties. *Polymer Science, Series A*, 61(1), 112-117, 2019.
- Saira Ishaq, Farah Kanwal, Shahid Atiq, Mahmoud Moussa, Dusan Losic, Synthesis of three phase graphene/titania/polydimethylsiloxane nanocomposite films and revealing their dielectric and impedance properties, *Ceramics International*, 45(7), Part A, 8713-8720, 2019.
- Khalid Javed, Farah Kanwal, Saadat Anwar Siddiqi, Shahid Atiq, Waheed Mushtaq, Khalil Ahmed, Facile Synthesis and Characterization of Wollastonite Polyindole Composites to Study their Electrical Conductivity Behaviour, Synthesis of Polyindole and its Composites, *Pakistan Journal of Scientific & Industrial Research Series A: Physical Sciences*, 62(2), 67-75.
- Y. Lv, A. Batool, Y. Wei, Q. Xin, R. Boddula, S. U. Jan, M. Z. Akram, L. Tian, B. Guo, J. R. Gong, Homogeneously Distributed NiFe Alloy Nanoparticles on 3D Carbon Fiber Network as Bifunctional Electrocatalyst for Overall Water Splitting, *ChemElectroChem*, 2019, 10.1002/celc.201900185.
- Guancai Xie, Liming Guan, Linjuan Zhang, Beidou Guo, Aisha Batool, Qi Xin, Rajender Boddula, Saad Ullah Jan, Jian Ru Gong, Interaction-Dependent Interfacial Charge-Transfer Behavior in Solar Water-Splitting Systems, *Nano Letter*, 2019, 19, 2, 1234-1241.
- F. kanwal, A. Batool*, R. Akbar, Green and facile synthesis of cerium doped Ni₃Fe electrocatalyst for efficient oxygen evolution reaction, *The Chemical Society of Ethiopia*, (Submitted Ref no. IN-3443).
- F. kanwal, A. Batool International, Facile fabrication of electrodeposited nickel-iron on carbon cloth as binder-free electrode for electrocatalytic oxygen evolution, *Conference on Solid State Physics*, (Submitted Ref. no. 134).
- A. Batool, F. Kanwal, A. Shahadat, Route for the Development of Fe-Modified Nickel Based Electrocatalyst for Efficient Oxygen Evolution, *International Conference on Solid State Physics*, (Submitted Ref. no. 137).



- F. kanwal, A. Batool, Facile fabrication of electrodeposited nickel-iron on carbon cloth as binder-free electrode for electrocatalytic oxygen evolution, Glob-Fist 2020.
- **Conferences, Seminars and Workshops, etc.**
School of Physical Sciences (Advance Chemistry Lab) is planning to organize workshop this year as well.
- **Research Journals**
 - Shamaila Iram, Muhammad Imran, Farah Kanwal, Shoomaila Latif, and Zafar Iqbal, Morphological, luminescence and gas adsorption studies of Pb (II)-MOFs, 6(2), 025103 (2019).
 - Shamaila Iram, Muhammad Imran, Farah Kanwal, Zafar Iqbal, Farah Deebea, Qazi Javed Iqbal, Bismuth (III) based Metal Organic Frameworks: Luminescence, Gas Adsorption, and Antibacterial Studies, Zeitschrift für anorganische und allgemeine Chemie, 645(1), 50-56 (2019).
 - Saira Ishaq, Farah Kanwal, Shahid Atiq Mahmoud Moussa, Dusan Losic, Synthesis of three phase graphene/titania/polydimethylsiloxane nanocomposite films and revealing their dielectric and impedance properties, Ceramics International, 2019.
 - Farah Kanwal, Rabia Rehman, Hassaan Ahmad Warraich, Synthesis of novel Polyaniline composites with Eriobotrya japonica leaves for removal of Methyl Red dye from wastewater, Bulgarian Chemical Communications, 51(4), 2019 Reference No. 5131.
 - Shamaila Iram, Muhammad Imran, Farah Kanwal, Farah Deebea, Qazi Javed Iqbal, Bismuth (III) based Metal Organic Frameworks: Luminescence, Gas Adsorption, and Antibacterial Studies, Zeitschrift für anorganische und allgemeine Chemie, 2019, 645, 50-56.
 - Aisha Batool, Farah Kanwal, Sumreen Asim, Saira Riaz, Shahid Atiq, Shahzad Naseem, Muhammad Waheed Mushtaq, Zaka Ullah, Thermally stable Polypyrrole/Hemattie Composites with Tunable Dielectric and Magnetic Properties. Polymer Science, Series A, 61(1), 112-117, 2019.
 - Saira Ishaq, Farah Kanwal, Shahid Atiq, Mahmoud Moussa, Dusan Losic, Synthesis of three phase graphene/titania/polydimethylsiloxane nanocomposite films and revealing their dielectric and impedance properties, Ceramics International, 45(7), Part A, 8713-8720, 2019.
 - Khalid Javed, Farah Kanwal, Saadat Anwar Siddiqi, Shahid Atiq, Waheed Mushtaq, Khalil Ahmed, Facile Synthesis and Characterization of Wollastonite Polyindole Composites to Study their Electrical Conductivity Behaviour, Synthesis of Polyindole and its Composites, Pakistan Journal of Scientific & Industrial Research Series A: Physical Sciences, 62(2), 67-75.
 - Y. Lv, A. Batool, Y. Wei, Q. Xin, R. Boddula, S. U. Jan, M. Z. Akram, L. Tian, B. Guo, J. R. Gong, Homogeneously Distributed NiFe Alloy Nanoparticles on 3D Carbon Fiber Network as Bifunctional Electrocatalyst for Overall Water Splitting, ChemElectroChem, 2019, 10.1002/celec.201900185.



- Guancai Xie, Liming Guan, Linjuan Zhang, Beidou Guo, Aisha Batool, Qi Xin, Rajender Boddula, Saad Ullah Jan, Jian Ru Gong, Interaction-Dependent Interfacial Charge-Transfer Behavior in Solar Water-Splitting Systems, *Nano Letter*, 2019, 19, 2, 1234-1241.
 - F. kanwal, A. Batool*, R. Akbar, Green and facile synthesis of cerium doped Ni₃Fe electrocatalyst for efficient oxygen evolution reaction, *The Chemical Society of Ethiopia*, (Submitted Ref no. IN-3443).
 - F. kanwal, A. Batool International, Facile fabrication of electrodeposited nickel-iron on carbon cloth as binder-free electrode for electrocatalytic oxygen evolution, *Conference on Solid State Physics*, (Submitted Ref. no. 134).
 - A. Batool, F. Kanwal, A. Shahadat, Route for the Development of Fe-Modified Nickel Based Electrocatalyst for Efficient Oxygen Evolution, *International Conference on Solid State Physics*, (Submitted Ref. no. 137).
 - F. kanwal, A. Batool, Facile fabrication of electrodeposited nickel-iron on carbon cloth as binder-free electrode for electrocatalytic oxygen evolution, *Glob-Fist 2020*.
- **Research Collaboration**
School of Physical Sciences (Advance Chemistry Lab) has developed research collaborations with scientific community of different departments, University of the Punjab.

Punjab University Gujranwala Campus

- **R & D – An Overview**
The faculty members wrote 17 research papers during this period. They participated in 2 international conferences.
- **Publications**
- Jabeen, S & Rizavi, Dr Sayyid Salman, "Herd Behaviour, Short-Lived Phenomenon: Evidence from Pakistan Stock Exchange", *Lahore Journal of Business*, September 2019
 - Berna Kirkulak Uludag, Dr Muzammil Khurshid, (2019) "Volatility spillover from the Chinese stock market to E7 and G7 stock markets", *Journal of Economic Studies*, Vol. 46 Issue: 1, pp.90-105, <https://doi.org/10.1108/JES-01-2017-0014>
 - Muhammad Azeem, Dr Muzammil Khurshid, (2019). "Impact of macroeconomic variables on foreign exchange reserves: A case from Pakistan", *Economic Journal of Emerging Markets*, Vol. 11 Issue: 2, pp. 173-182.
 - Naseer, Salman, William Liu, and Nurul I. Sarkar. "Energy-Efficient Massive Data Dissemination through Vehicle Mobility in Smart Cities." *SI: Vehicular Sensor Networks: Applications, Advances and Challenges*, MDPI: Sensors 19, no. 21 (2019): 4735. Impact Factor: 3.031



- Khan, Dr Naveed Ahmad, “Differential gene expression in bovine endometrial epithelial cells after challenge with LPS; specific implications for genes involved in embryo maternal interactions”, PLOS ONE (peer-reviewed , open access, impact factor) journal on September 5, 2019
- Iram, Rabia, “The Social Unadoptability of Eunuchs in South Asia with Reference to Mahesh Dattani’s Play *Seven Steps Around the Fire*”, Journal of Research (Humanities) (JRH2019) (University of the Punjab, Lahore)
- FaryalJalil, Muhammad Shafiq and WasimulRehman (2019). Effect of QMS on Innovation and Financial Performance-A Developing Country Perspective, *Pakistan Business Review*, Volume 21, Issue 3, pp. 56-72.
- Dr WasimulRehman, FaryalJalil, FiazRiaz (2019), “A Nexus between Financial Leverage and Performance of Textile Sector of Pakistan”, *International Journal of Management Research and Emerging Sciences*, Volume. 9, Issue 1, pp. 98-106.
- DrNaveed Iqbal (with other authors) ,Impact of Customer-Oriented Strategy on Financial Performance with Mediating Role of HRM and Innovation Capability, *Personnel Review*, *Personnel Review* vol. 48 Issue (3), Page.631-643 (Recognized “W” Category by HEC and Impact factor is 1.972).
- Dr Naveed Iqbal (with other authors) ,Principal-principal agency conflict and information quality in China: the governance role of audit quality and analyst following, *Journal of Financial Reporting and Accounting*, vol. 17 Issue (1), Page.20-40 (Recognized “W” Category by HEC).
- Dr Naveed Iqbal (with other authors) , Mediating effect of innovative culture and organizational learning between leadership styles at third-order and organizational performance in Malaysian SMEs, *Journal of Global Entrepreneurship Research*, Vol. 9 Issue (1), Page.36- Springer (Scopus and ISI Indexed)
- Dr Naveed Iqbal (with other authors), Linking environmental strategy to firm performance: A sequential mediation model via environmental management accounting and top management commitment, *Pakistan Journal of Commerce and Social Sciences (PJCSS)* vol. 13 Issue (4), Page.849-867 (Recognized “Y” Category by HEC).
- **Conferences, Seminars and Workshops, etc.**
 - Dr Muzammil, Khurshid, Conference titled “Challenges to Interfaith Harmony in Pakistan: Strategies and Solutions” held between 27 and 28 March, 2019 organized by University of Gujrat, International Islamic University, Islamabad and HEC, Pakistan.
 - Rabialrum,. 5thinternational conference of the linguistic Association of Pakistan Language Study: Global Debates and Indigenous perspectives, November 2019
 - Dr Wasimul Rehman, (2019). “Business Excellence Initiatives and Performance of Pharmaceutical Sector of Pakistan: A Mediating Role of Business Process



Capabilities” 1st Scientia Academic Conference in Collaboration with Universiti Teknologi Malaysia at 6-7th April 2019.

- Dr Wasimul Rehman, (2019). “Knowledge Sharing and Performance: A Mediating Role of Innovation” 1st Scientia Academic Conference in Collaboration with Universiti Teknologi Malaysia at 6-7th April 2019.
- Dr Naveed Iqbal, Influence of terrorism incidents and macroeconomic indicators on stock market performance of Pakistan at International Conference Banking Insurance and Business Management (CBIBM) arranged by Hailey College of Banking and Finance, University of the Punjab, Pakistan The conference was held on December 12-13, 2019 (*Declared as the best paper*).
- Dr Naveed Iqbal, Barriers to integrated and sustainability reporting: An interpretive structural modelling approach, presented at 3rd International Conference on Advances in Business and Law, University of Dubai, UAE. held on 23th & 24th of November 2019

Punjab University Jhelum Campus

○ **Research & Development – An Overview**

The faculty members got their 31 research papers published in international journals. They presented their research papers in 3 international conferences

○ **Publications**

- Syed M. Waqar Azeem Naqvi, Kanwal Iqbal Khan, Muhammad Mudasar Ghafoor, (2019) Evidence of Volatility Clustering and Asymmetric Behavior of Returns in Asian Emerging Stock Markets, Pakistan Economic and Social Review.
- Muhammad Mudasar Ghafoor, Kanwal Iqbal Khan, Yasin Munir, Khawaja Hasnat Haider (2019), Impact of development perspective of HRM and lesson learned system of knowledge and management on project success through project management competency retention, JISR-MSSE.
- Kashif Hameed, Rana Shahid Amdad Akash, Mudasar Ghafoor, (2019) Testing of Volatility spill over dynamics and network connectedness between Islamic indices of regional stock markets, Global Regional Review

INNOVATIONAL COMMERCIALIZATION

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

- ORIC arranged a meeting of faculty members of University of the Punjab with Syed Maaz Mahmood, President, All Pakistan Business Forum on 02-10-2018 for the strengthening of University-Industry-Linkages at Committee Room, Centre for Undergraduate Studies.



- ORIC organized one-day workshop on entrepreneurship “Use of Business Intelligence for Development” on 11-10-2018 at Al-Raazi Hall, Centre for Undergraduate Studies for the students of Faculty of Science, University of the Punjab, Lahore. Dr. Asim Tanvir, Assistant Professor, Institute of Business & Information Technology was the Resource Person of this workshop.
- ORIC organized a Pre-Summit Meeting for “8th Invention to Innovation Summit” Punjab 2019 from 22-10-2018 to 23-10-2018 at Committee Room, Institute of Chemical Engineering & Technology (ICET), University of the Punjab, Lahore.
- ORIC arranged 1st meeting of Committee for Evaluation of Research Projects on 31-10-2018.
- Approved incentives for Faculty and Students from the competent authority as per HEC Policy for ORIC.
- Prepared Data Book for ORIC/University Ranking for the Financial Year 2017-18, required by the Higher Education Commission (HEC).
- Made a draft of research policy/IP and commercialization policy.
- ORIC officials alongwith honorable faculty members of University of the Punjab participated in “4th Invention to Innovation Summit, Peshawar KPK 2018” at CECOS University of Information Technology and Emerging Sciences from 22-11-2018 and 23-11-2018.
- ORIC officials participated in “3rd Invention to Innovation Summit, Sindh-2018” at University of Karachi from 19-12-2018 to 20-12-2018. This event was organized in joint collaboration with of University of University of Karachi, Institute of Research Promotion (IRP), Pakistan Science Foundation, Pakistan Council of Science & Technology (PASTIC) and other leading institutions.
- ORIC officials and honorable faculty members of University of the Punjab attended the workshop on “Finance for Non-Financial Professionals” on 19-01-2019 and 20-01-2019 at COMSATS University Islamabad (CUI).
- ORIC Officials participated in 02-Days Training on “Excel for Data Transformation and Analysis” from 07-03-2019 to 08-03-2019 at National University of Modern Languages (NUML) Islamabad Campus.
- ORIC organized a training workshop for the Awardees of HEC National Research Program for Universities (NRPU), 2017 on 14-03-2019 in the Committee Room, Centre for Undergraduate Studies, University of the Punjab, Lahore.
- ORIC organized two days “8th Invention to Innovation Summit 2019” in collaboration with Pakistan Science Foundation (PSF), Institute of Research Promotion (IRP) and University of Management & Technology (UMT) at Centre of Excellence in Molecular Biology (CEMB), University of the Punjab, Lahore on April 2nd – 3rd, 2019. As many as 500 indigenous technologies including 200 startup projects/ideas were put on display in the two-days summit. Around 100 institutions from all over Pakistan participated to exhibit their innovative ideas in this Summit.



- The Assistant Director ORIC attended the workshop on “ISO 17025 an Assessor’s Perspective”, from 19-06-2019 to 20-06-2019 at COMSATS Institute of Information Technology Islamabad.
- The Director ORIC attended the inaugural ceremony of a 6 days’ workshop entitled “National workshop on Recombinant DNA Technology” on 08-04-2019 in School of Biological Science (SBS), University of the Punjab, Lahore.
- ORIC Organized an introductory workshop on “How to Approach and Manage Funded Research Projects?” for the honorable faculty members of University of the Punjab on 18-06-2019 in Committee Room, Centre for Undergraduate Studies, University of the Punjab, Lahore. Dr. Mehboob Ahmed, Assistant Professor, Department of Microbiology & Molecular Genetics (MMG) was the Resource Person of this workshop.
- ORIC organized one-day workshop on “Entrepreneurship Mindset and Digital Innovative Entrepreneurship” for the students of Hailey College of Commerce on 19-06-2019 at New Building Hall, Hailey College of Commerce, University of the Punjab, Lahore. Dr. Asim Tanvir, Assistant Professor, Institute of Business & Information Technology, University of the Punjab, Lahore was the Resource Person of this workshop.
- Mrs. Hafiza Aban Abid Qazi, Assistant Director ORIC attended a seminar on “Research & Development / Technical Support Fund for Academia” on 21-08-2019 at Planning & Development Board, Government of the Punjab, Lahore.
- Mrs. Hafiza Aban Abid Qazi, Assistant Director ORIC attended in two-days’ workshop on “PYTHON FOR DATA SCIENCE” from 31-08-2019 to 01-09-2019 at Kinnaird College for Women, Lahore.

3

Chapter

QUALITY ASSURANCE

- Impact of Quality Assurance in the University
- Quality Enhancement Cell
- Membership of Associations/ Networks
- Accreditation of Programmes from Relevant Councils

Quality





CHAPTER

3

Quality Assurance

Quality Enhancement Cell

The report contains two main sections:

1. Introduction of QEC and its key functions, roles and responsibilities
2. Major activities / achievements in 2018-19

Section A: Introduction to QEC and Its Functions

University of the Punjab is the oldest seat of higher learning and has been contributing to the cause of quality of education in the country. With the gradual increase in students' enrolment, sustainability in quality education has become an emerging concern. Quality Enhancement Cell (QEC) was established in 2006 on the recommendation of Higher Education Commission Pakistan. QEC is committed to respond to changing global needs of quality assurance processes through effective and equitable participation of all who are engaged in higher education without discrimination by allowing the full use of their abilities for the benefit of the University and the society.

Since its establishment, QEC has been striving to perform its various roles such as carrying out institutional performance evaluation, teacher and course evaluations, accreditation of new degree programs, review of on-going Ph.D and M.Phil/MS or equivalent programs, analysing the self-assessment reports in various disciplines, and organizing seminars and workshops on quality assurance.

QEC Functions

The functions of QEC are described as under:

1. Monitoring of the on-going quality initiatives in the University of the Punjab.
2. Updating/ preparing of University Portfolio Report (UPR) as per Financial Year.
3. Conduction of Institutional Performance Evaluation (IPE) either by HEC or by the university as per Financial Year. e.g. from 1st July, 2020 to 30th June, 2021.
4. Conduction of Self-Assessment for the programs of Main Campus, Sub-Campus and Affiliated Colleges/ Institutes.
5. Accreditation of all programs offered by the university either at Main Campus, Sub Campus or any affiliated college that fall under purview of any Accreditation Council need to be accredited/reaccredited from the respective council. *Note: for all programs the Accreditation must be valid on the 30th June of the respective financial year.*



6. Self-review of Ph. D. and MS/M. Phil & Equivalent Programs of all departments/faculties/institutes/colleges of Main Campus and Sub Campus.
7. Review by HEC of Ph. D. and MS/M. Phil & Equivalent Programs of all departments/faculties/institutes/colleges of Main Campus and Sub Campus.
8. Submission of cases to HEC for the New PhD Programs and MS/M. Phil & Equivalent Programs Launched after October, 2013 to avail No Objection Certificate (NOC).
9. Conduction of Awareness seminars/conferences/workshops on Quality Assurance within University and involving resource person/s from outside the University.
10. To encourage and assist institutes/colleges/departments/centres of the University to ensure quality in teaching and assessment in the various academic programs
11. To act as a liaison office between University and Government agencies such as HEC, PHEC, and other HEIs for quality assurance.
12. To develop National & International Linkages with External Quality Assurance Agencies such as Asia Pacific Quality Network (APQN), International Network for Quality Assurance Agencies in Higher Education (INQAAHE), Pakistan Network of Quality Assurance in Higher Education (PNQAHE), etc.
13. To develop a viable and sustainable mechanism of quality assurance in the University and its affiliated colleges/sub-campus in the public and private sector in the country through establishment of Quality Enhancement Cells.

The detail of **key functions** of QEC is summarized as under:

a) Self-Assessment

QEC at PU conducts assessment of its academic programs following Self-Assessment Manual provided by HEC. The process of Self-Assessment of Academic Programs is carried out in various steps as described below:

Step-01 is preparation of Self-Assessment Report (SAR) by Program Teams

Step-02 is preparation of AT findings & Rubric Forms by Assessment Teams

Step-03 is preparation of Implementation Plans by Program Team on the basis of weaknesses identified by AT-members in AT-Findings.

Step-04 is Exit Meeting (QEC, Chairperson/Director/Principal, PT, AT, Faculty)

Step-05 is Submission of Executive Summary to Worthy Vice Chancellor by QEC

Presently, 19 departments have submitted SARs in QEC.

b) Teacher & Course Evaluation

QEC conducts faculty and students' surveys in each financial year to further enhance and review our quality standards and continuously improve at all levels. The purpose of these evaluations is to improve student learning & bring excellence in teaching skills of our



teachers. It provides QEC with specific and reasonable plans for improvement of teachers' performance if the performance of the teacher requires improvement.

c) Accreditation

In order to maintain general standards of quality, QEC is enforcing its departments to get accreditation of all the applicable academic programs from relevant accreditation councils like National Business Education Accreditation Council (NBEAC), National Computing Education Accreditation Council (NCEAC), Pakistan Council of Architects and Town Planners (PCATP), Pakistan Engineering Council (PEC), Pakistan Bar Council (PBC), National Agriculture Education Accreditation Council (NAEAC), National Accreditation Council for Teacher Education (NACTE).

d) Ph. D./MS/M. Phil & Equivalent Programs Review

M.Phil./MS/equivalent & PhD Review Program are implemented through a Committee of quality experts from Quality Assurance Agency of Higher Education Commission, Pakistan in order to assure the compliance of HEC's minimum criteria/guidelines for PhD & MS/M.Phil. Level programs. The Quality Assurance Agency (QAA) of HEC is facilitating HEIs across the country to improve state of higher education provision through external as well as internal quality assurance mechanisms. M.Phil./MS/equivalent & PhD Review Program is one of the key such initiatives.

e) Institutional Performance Evaluation

QEC anticipates departments/faculties/institutes/colleges of the University to work towards achieving excellence through continuous improvements in their quality and effectiveness. In the regard, Self-Institutional Performance Evaluation (IPE) is carried out by QEC dated 24th to 26th June, 2019 by considering its all Evaluation Standards as described below:

Standard Number	Description
Standard 1	Mission Statement & Goals
Standard 2	Planning & Evaluation
Standard 3	Organization & Governance
Standard 4	Integrity
Standard 5	Faculty
Standard 6	Students
Standard 7	Institutional Resources
Standard 8	Academic Programs & Curricula
Standard 9	Public Disclosure & Transparency
Standard 10	Assessment & Quality Assurance
Standard 11	Student Support Services


Section – B: Major Activities/Achievements in 2018-19 of QEC

Title of Activity	Purpose of the event / Targets	Date of Achievement
Celebration of World Quality Day at University of the Punjab	Seminar conducted to celebrate the quality day	8 th November, 2018.
QAA-HEC Program Review Visit of MS. /M.Phil. And Ph.D. Programs	HEC visit for Evaluation of MS. /M.Phil. And Ph.D. Programs	22 nd & 23 rd January, 2019.
Self-Institutional Performance Evaluation (IPE)	Basic requirement of HEC for YPR	24 th to 26 th June, 2019

Awareness seminars/ conferences/ workshops arranged at university on quality assurance

Sr.	Title of the event	Target Group	Purpose of the event
1	First meeting of Ranking Committee of University of the Punjab	Focal Persons of All Faculties	QS World Ranking
2	Second meeting of Ranking Committee of University of the Punjab	Focal Persons of All Faculties	QS World Ranking
3	Meeting of Focal Persons of Quality Steering Committee	Focal Persons of All Faculties	QS World Ranking
4	Meeting of Focal Persons of Quality Steering Committee	Focal Persons of All Faculties	QS World Ranking
5	Meeting of Quality Steering Committee	Focal Persons of All Faculties	QS World Ranking
6	Meeting of Focal Persons of Quality Steering Committee	Focal Persons of All Faculties	QS World Ranking
7	Meeting for Expediting Self-Assessment Activities with Faculty of Education	Faculty of Education	To expedite the Self-Assessment Activities
8	Meeting for Expediting Self-Assessment Activities with Faculty of Behavioral and Social Sciences	Faculty of Behavioral and Social Sciences	To expedite the Self-Assessment Activities
9	Meeting of Annual Report Committee	Committee members	To discuss the Annual Report for the year 2017-18
10	Meeting for Expediting Self-Assessment Activities with Faculty of Arts and Humanities	Faculty of Arts and Humanities	To expedite the Self-Assessment Activities
11	Meeting for Expediting Self-Assessment Activities with Faculty of Life Sciences	Faculty of Life Sciences	To expedite the Self-Assessment Activities
12	Meeting with the Vice Chancellor to discuss the matters related to HEC activities	All HODs of departments	To expedite the HEC activities i.e. SARs, IPE Review data.



a. Self-Assessment Reports

Self-assessment reports of the following departments have been submitted to QEC in the reporting year:-

1. School of Biological Science (SBS)
2. Department of Physics
3. Department of Philosophy
4. Department of Sport Sciences
5. Department of Secondary Education (IER)
6. Department of Islamic Education (IER)
7. Department of English Language Teaching and Linguistics (IER)
8. Centre of Excellence in Molecular Biology (CEMB)
9. Department of Technology Education (IER)
10. Centre for South Asian Studies
11. Department of Space Science
12. Institute of Social & Cultural Studies (ISCS)
13. Sheikh Zayed Islamic Centre
14. Centre for Applied Molecular Biology (CAMB)
15. Microbiology Molecular Genetics (MMG)
16. Department of Punjabi University Oriental College
17. Punjab University College of Information Technology (PUCIT)
18. University College of Art & Design
19. Department of Educational Research & Evaluation

Contributions and Participations of QEC

Sr. No.	Name of Event	Date	Level of Activity	Participation & Contribution Status
1.	Seminar on Improving the Quality of Education at University of Education	10/1/2019	National	Participation
2.	Progress Review Meeting & Training of QEC at HEC	1 & 2 /4/2019	National	Participation
3.	8th Invention to Innovation Summit at University of the Punjab.	3/4/2019	National	Contribution
4.	2nd International Conference on Quality Assurance in Higher Education	23 to 25/ 4/2019	International	Participation
5.	Training program on Implementation of Business Intelligence System at Higher Education Commission (HEC)	2 TO 3 / 5/2019	National	Participation and Contribution
6.	Textbooks and Monographs writing Awareness session at University of the Punjab	9/18/2018	National	Participation and Contribution



Faculty of Arts & Humanities

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
- Asia Net Pakistan

○ **Accreditation of Programmes from relevant councils**

The academic programmes of the Centre have been reviewed and approved by the Academic Committee, Pakistan Study Centre, Board of Faculty of Arts & and the Academic Council of Punjab University and of Board of Studies, University of the Punjab.

Faculty of Behavioral & Social Sciences

INSTITUTE OF COMMUNICATION STUDIES

○ **Membership of Associations/Networks:**

Institute of Communication Studies, University of the Punjab has membership of PEMRA and Paragon Academy of Performing Arts.

Faculty of Commerce

Hailey College of Banking and Finance

○ **Impact of Quality Assurance**

We aim to ensure Quality Assurance of Academics and Administration in our College. Curriculum is updated from time to time to incorporate recent developments in Insurance and Banking Industry. Prof. Dr. Mubbsher Munawar Khan has introduced the Class Feedback system. Class timings and schedules are strictly observed. Teachers are motivated for excellent delivery of lectures and related pedagogy. Professionals from Industry are also invited to supplement practical applications.

○ **Quality Enhancement Cell**

This Cell exists in the University of the Punjab and they are in a better position to submit reply in respect of 3.3 and 3.4. We keep up dating them in respect of our institution.



Faculty of Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

- **Membership of Association/Network**

Faculty members are associated with various international associations such as CILIP, ASIS&T and American Library Association (ALA) as well as national association such as Pakistan Library Association (PLA) and PUILMAA.

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 in progress.

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

- **Impact of Quality Assurance in the University**

Teacher's and course evaluations are conducted on regular basis.

- **Membership of Associations/Networks**

Faculty members as well as students are encouraged to get memberships of various professional organizations like PEC, ACS etc.

- **Accreditation of Programs from relevant councils**

The Department of Textile Engineering and Technology is planning to arrange zero visit by Pakistan Engineering council for the accreditation. Moreover, to maintain the quality standards, and to upgrade of the curriculum according to Pakistan Engineering.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Impact of Quality Assurance in the University**

Teacher's and course evaluations are conducted on regular basis. Teachers have started circulating course outlines and completing courses in semester. Self Assessment process is working and reports are being generated.



- **Membership of Associations/Networks**
Faculty members as well as students are encouraged to get memberships of various professional organizations like PEC, PIChE and Pakistan Engineering Congress, AIChE, ACS 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. Accreditation as per OBE (outcome base education) is under process.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Membership of Associations/ Networks**
 - EEE Professional Members = 2
 - IEEE General Members = 6
- **Accreditation of Programmes**
Pakistan Engineering Council

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Accreditation of Programmes from relevant councils**
BS Industrial Engineering & Management program of this Institute is accredited by PEC.

Faculty of Life Sciences

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Membership of Associations/Networks**
 - MMG Department is member of AT Waste management.
 - Prof. Dr. Sikander Sultan is member Punjab University Ranking Committee.
- **Membership of various societies/associations**
 - Dr. Anjum Nasim Sabri is a member of American Society of Microbiology.
 - Prof. Dr. Sikander Sultan is a member of American Society of Microbiology.
 - Prof. Dr. Sikander Sultan is Life member of Pakistan Botanical Society.
 - Dr. NaziaJamil is member of Genetics Society UK.
 - Dr. NaziaJamil is Life time Member Pakistan Biological Safety Association Member no.
 - Dr. NaziaJamil is Associate member of EuroScience, France.
 - Dr. Nazia Jamil is Professional Member of International Society for Development and Sustainability (ISDS) Japan
 - Dr. Nazia Jamil is Member of ASM, USA



- Dr. NaziaJamil is Life Fellow Zoological Society of PakistanDr. NageenHussain is a member of American chemical society.
 - Dr. NageenHussain is a member of American Society of Microbiology.
 - Dr. RidaBatoool is a life member of Pakistan Zoological Society.
 - Dr. RidaBatoool is a life member of Pakistan Biosafety Association.
 - Dr. RidaBatoool is a member of American Society of Microbiology.
 - Dr. Mehboob Ahmed is a life member of Pakistan Biosafety Association.
 - Dr.Mehboob Ahmed is a member of American Society of Microbiology.
 - Dr. SamreenRiaz is a life member of Pakistan Zoological Society.
 - Dr. Samreen Riaz is a life member of Pakistan Biosafety Association.
 - Dr. SamreenRiaz is a member of American Society of Microbiology.
- **Accreditation of Programmes from relevant councils**
- Approval of all programmes (BS, MSc, MPhil, Ms Ph.D) from relevant bodies of the PU
 - Accreditation with biology in PPSC

DEPARTMENT OF ZOOLOGY

○ **Membership of Associations/ Networks**

Prof. Dr. Javed Iqbal Qazi

- Member, Biotechnology Society NIBGE, Faisalabad.
- Life Fellow Zoological Society of Pakistan.
- Life Fellow Biological Society of Pakistan.
- Life Fellow Pakistan Fisheries Society.
- Life fellow medical Research Society of Pakistan.
- Remained member, Advisory Board, Pakistan Journal of Zoology.
- Member, Editorial Committee, Punjab University Journal of Zoology.
- Member, Board of Studies in Zoology, University of the Punjab, Lahore.
- Member, Board of Studies in Microbiology, Hazara University, Mansehra NWFP, Pakistan.
- Member, Board of Studies in Zoology University of Azad Jammu Kashmir Muzaffarabad.
- Member, Equivalence Committee, University of the Punjab, Lahore.
- Member, Departmental Tenure Track Review Committee (DTRC) of the Institute of Agricultural Sciences to evaluate/review the performance of the Faculty members working on TTS according to the relevant statutes.
- Young Zoologist member Executive council, Zoological Society of Pakistan.
- Was recommended by the American Biographical Institute, Inc. (ABI) Governing Board of Editors for biographical inclusion in the Seventh Edition of INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP in 1997.
- Was declared eligible for the LEADING SCIENTIST OF THE WORLD medal by International Biographical Centre, Cambridge, England.



- Was appointed as member Departmental Purchase Committee for Department of Zoology, University of the Punjab, Lahore, for the year 2006-07.
- Member equivalence committee University of the Punjab, Lahore. Pakistan. from 14.05.2008 for two years.
- Member, Mirpur University of Science and Technology (MUST), MIRPUR.
- Member Disciplinary Committee for resolving cases for unfair means in the examinations of University of the Punjab, Lahore. From 2010 on-ward.
- Member Academic Council University of the Punjab, Lahore.
- Member of Inquiry Committee, University of the Punjab, Lahore.
- Student advisor Department of Zoology, University of the Punjab, Lahore.
- Co-ordinator Ph.D. In-Service Program. Department of Zoology, University of the Punjab, Lahore.
- Member of HEC National Curriculum Revision Committee.
- Member of Core Committee to Develop/ Strengthen the Punjab University Industry Linkages.
- Was appointed member of the Advance Studies and Research Board for a period of three years w.e.f. 19.06.2014 by the academic council, University of the Punjab, Lahore. Vide notification No. 2061/P
- Member Departmental Tenure Review Committee (DTRC) of the Centre for Undergraduate Studies vide office order No. D/5272/Est.I dated, 11.09.2014.
- Member Editorial Board Pakistan Journal of Molecular Medicine. The University of Lahore, 1-km defense road, off Raiwind Road Lahore, Pakistan. Volume 01 (1-2), 2014.

Prof. Dr. Nabila Roohi

- Life Fellow, Zoological Society of Pakistan.
- Member, organization for Women in Science for the Developing World (OWSDW) Since 2007-continuing

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. Muhammad Akbar Khan

- May 05, 2017 (No. D/769/UZ) – Member of Curriculum Review Committee, Zoology department, Punjab University, Lahore.
- Feb. 26, 2016 (No. D/198/R) – Nomination for updating information on PU website for Zoology department, Punjab University, Lahore.
- March 11, 2014 (No. 1084/Acad.) – member, subject/specialization for departmental test instead of GAT subject in Zoology (Paleontology).



- March 20, 2013 – Member National Curriculum Revision Committee in BS Zoology, HEC Islamabad.
- 2009-2012 – Elected member of academic council for Assistant Professor, GC University, Faisalabad.
- Member of the Zoological Society of Pakistan.
- Member of the Fisheries Society of Pakistan.
- Member of the Speers chemical Society, F. C. College, Lahore.
- Member of Adventure Foundation Pakistan.
- March 03, 2016 – Chairman of Disciplinary Committee, Boys Hostel # 14, University of the Punjab, Lahore.
- Oct. 13, 2016 (D/1798/UZ) – Incharge Non-Teaching Staff, Zoology Department, University of the Punjab, Lahore.
- Dec. 15, 2016 – Nomination of Faculty Member for University's 125th Convocation.
- May 25, 2016 (D/999/UZ) – Incharge Lawns/Parking, Zoology Department, University of the Punjab, Lahore.
- April 19, 2016 (D/712/UZ) – Member Departmental Committee for Dengue Eradication/Awarenes, 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. Muhammad Arshad Javed, Professor
 - Int J. Life Sci. Biotechnol
 - Advancement in life sciences
 - Austin Journal of Biotechnology and Bioengineering
 - Mycopath
 - Modern Biosphere International Journal (MBIJ)
- 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
 - Bangladesh Botanical Society (2019)
- Dr. Muhammad Nasir Subhani, Associate Professor
Pakistan Phytopathological Society
- Dr. Amna Shoaib, Assistant Professor
 - Pakistan Phytopathological Society
 - Myco-Phytopathological Society of Pakistan
 - Mangaing Editor for Mycopath Journal
- Dr. Shazia Shafique, Assistant Professor
 - Technical Editor of Mycopath, an official Journal of Myco-Phytopathological Society of Pakistan.
 - Reviewer of Journal of Plant Studies, Canadian Journal.
 - Reviewer of Mycopath, IAGS Journal.
 - Editor of Modern Biosphere International Journal, Turkey.
 - Reviewer of Pakistan Journal of Phytopathology.
 - Life member, Pakistan Phytopathological Society.
 - Member, Myco-Phytopathological Society of Pakistan.
 - Member, Weed Science Society of Pakistan



- Life time membership of International society of Applied Life Sciences, Turkey.
- Dr. Rashid Mahmood, Assistant Professor
 - Member Soil Science Society of Pakistan
 - Member Pakistan Phytopathological Society
- Dr. Muhammad Bilal Chattha, Assistant Professor
 - Life time member the Pakistan Society of Agronomy .
 - Member American Society of Agronomy USA.
 - Member Crop Science Society of America USA.
 - Member International Society of Horticultural Sciences.
- Dr. Shahbaz Ahmad, Assistant Professor
 - Entomology Society of America (ESA)
 - Entomological Society of Pakistan (ESP)
 - International Organization of Biological Control (IOBC)
 - National Curriculum revision committee NCRC of Entomology (HEC)
 - International Society of Exposure Science (ISES)
 - Young Entomological society (YES)
 - National Academy of Young Scientist (NAYS)
 - Pakistan Scientific and Technological Information Center (PASTIC)
- Dr. Hafiz Azhar Ali Khan , Assistant Professor
 - Entomological Society of America (ESA)
- 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.
 - Entomological Society of America 2018
 - Entomological Society of America 2019
- Dr. Sajid Ali, Assistant Professor
 - American Society of Agronomy
 - Crop Science Society of America
 - Soil Science Society of America
 - German Society of Agronomy
- 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. Shinawar Waseem Ali, Assistant Professor
 - Global Outreach Member, American Society of Microbiology
 - Life Member, Pakistan Society of Food Scientist and Technologists (PSFST)
 - Life Member, Nutritionist Association of Pakistan
 - Member, Associate Editorial Board, American Journal of Current Microbiology
 - Member, Global Harmonization Initiative (GHI)
 - Volunteer Member, Institute of Research Promotion (IRP) Pakistan
 - Member, National Academy of Young Scientists, Pakistan
 - Member, ISEKI-Food Association (IFA)
- Dr. Zahida Qadeer, Assistant Professor
 - Member of Food science and Technology
 - Member of camel association
- Mr. Nadeem Shad
 - Member- Board of faculty of life sciences, University of the Punjab, Lahore
 - Life Member Pakistan Phytopathological Society
 - Life member Pakistan Nematological Society
 - Member Myco-Phytopathological Society of Pakistan

INSTITUTE OF APPLIED PSYCHOLOGY

○ Membership of Associations/ Networks

Sr. No.	Name of Association/ Networks/Committee	Name of Faculty Member
1	Fellowship of International Medical Sciences Academy (IMSA)	Prof. Dr. Farah Malik
2	Regional Representative for South Asia, Society for Interpersonal Acceptance-Rejection, USA.	Prof. Dr. Farah Malik
3	Associate Editor, Journal of Behavioral Sciences, IAP, PU, Lahore.	Prof. Dr. Farah Malik
4	Member, American Psychological Association , America	Dr. RafiaRafique
5	Member, Canadian Psychological Association, Canada.	Dr. RafiaRafique
6	Member, Pakistan Psychological Association.	Dr. RafiaRafique
7	Member, Pakistan Psychological Association.	Dr. Iram Fatima
8	Consulting Editor, Pakistan Journal of Professional Psychology, research and practice published by Centre	Dr. Iram Fatima



	of Clinical Psychology, University of the Punjab	
9	Consulting Editor International Journal of Culture and Mental Health	Dr. Iram Fatima
10	Associate Editor Journal of Behavioral Sciences published by Institute of Applied Psychology, University of the Punjab	Dr. Iram Fatima
11	Member, Pakistan Psychological Association	Dr. Fatima Kamran
12	Member / Consulting Editor, Pakistan Journal of Professional Psychology Research and Practice	Dr. Fatima Kamran
13	Consulting Editor, International Journal of Culture and Mental Health	Dr. Fatima Kamran
14	Associate Editor, Journal of Behavioral Science	Dr. Fatima Kamran
15	Member, British Psychological Society (BPS)	Dr. Fatima Kamran
16	Member, Pakistan Association of Clinical Psychologists	Dr. Fatima Kamran
17	Member, Society for Rehabilitation of Disabled Children, Jail Road Lahore	Dr. AfsheenMasood
18	Member, Pakistan Psychological Association	Dr. AfsheenMasood
19	Member, Pakistan Psychological Association.	MsAfifaAnjum
20	Member, Lahore HR Forum	MsTahiraMubashar
21	Member of FOCUS GROUP at Packages Pvt. Limited	MsTahiraMubashar
22	Member, National Outreach Program NOP being run by LCCI	MsTahiraMubashar
23	Member, Pakistan Psychological Association	Dr.Mujeeba Ashraf
24	Member, Pakistan Clinical Psychologist Association (PACP)	Dr.Mujeeba Ashraf

○ **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
- Congress of Molecular Biology

○ **Accreditation of Programmes from relevant councils**

Programs and courses are accredited by statutory bodies of the University of the Punjab, Lahore and HEC.



Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Membership of Association/ Networks**

Prof. Dr. Munawar Sabir

- Director, Centre for Integrated Mountain Research, P.U.
- Convener, Board of studies, Centre for Integrated Mountain Research, P.U.
- Convener, Advisory Committee, Centre for Integrated Mountain Research, P.U.
- Member, Mountain Forum-UK
- Member, Working Group on REDD+ Policy Dialogue, Lahore.
- Member, Population Association of Pakistan
- Member, world columnist Club, Lahore Pakistan
- General Secretary Punjab, World Columnist Club.
- Remained Members of South Asian Columnist Council, Lahore Pakistan
- Member, Pakistan Geographical Association
- Remained Member of Retract Club of Faisalabad Janubi, a chapter of Rotary Club International
- Remained member of Commonwealth Geographical Bureau
- Member Pakistan Geographical Association
- Member of Old Geography Students Association
- Remained Member of Pakistan Federation of Columnists

Engr. Dr. 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.
- Coordinator Departmental M.Sc., M.Phil and Ph.D 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, Quality Enhancement Cell (QEC), University of the Punjab, Lahore-Pakistan.



- Member, Board of studies, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Member, Department Doctoral Program Committee (DDPC), Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Coordinator, Departmental Seminar Series, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Member, Purchase Committee, Centre for Integrated Mountain Research, University of the Punjab, Lahore-Pakistan.
 - Incharge 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.
- **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, Research paper Evaluation Committee of the International Journal of Economic and Environmental Geology (IJEEG) ISSN: 2223-957X
- Member, Committee to Ascertain the Reasons of Dense Fog / Smog During the Winters in Lahore
- Member, Board of Studies for Sustainable Development Study Centre, Govt. College University (GCU), Lahore.
- Member, Board of Directors, Tourism Development Corporation of Pakistan.
- Focal Person, on the “Peace and Countering Violent Extremism: Inspiring the Future” Campaign at the University of the Punjab, Lahore in collaboration with the Centre for Health and Gender Equality (CHANGE).
- Focal Person, on the “Promoting Acceptance and Peace Building” campaign at the University of the Punjab, Lahore in collaboration with the Centre for Health and Gender Equality (CHANGE).
- Member, Expert Committee in Climate Change, Drought Hazard Assessment, GIS & Remote Sensing, Training Modules Development & Facilitation Specialist of the Provincial Disaster management Authority, Government of the Punjab, Lahore
- Member, Board of Studies for Environmental Sciences, COMSATS Institute of Information Technology, Islamabad
- Member, Pakistan Association for the Advancement of Science, Lahore, Pakistan.
- Member: National Geological Society, Pakistan, Punjab Geological Society, Pakistan



- Member, HEC Curriculum Revision Committee in Remote Sensing & Geographical Information System
- Member, Pakistan Association for the Advancement of Sciences (Punjab Council), Session 2017-2020
- Member, EPA Biodegradable Material Committee, Govt. of the Punjab, Lahore
- Member, Technical Working Group to Deliberate on Incinerator Vs Auto-Cave and Recommend appropriate Technology for Safe Hospital Waste Disposal Facility in Public Sector Hospitals of Punjab, City District Government, Lahore
- Member, Stratigraphic Committee of Pakistan
- LIFETIME Member, National Geological Society, Pakistan
- LIFETIME Member, Punjab Geological Society, Pakistan
- Chairman, Medical Advisory Committee of the University of the Punjab, Lahore
- Convener, Resource Generation Committee, University of the Punjab, Lahore
- Member, Committee to inculcate integrity, civility and character building amongst the students, University of the Punjab, Lahore.
- Member, Committee for Identification of Land, PC-I Preparation, Revenue Generation and Fund Raising for the Construction of Building as per requirements of the Confucius Institute, University of the Punjab, Lahore
- Member, Investment Committee, University of the Punjab, Lahore
- Member, Appointment Committee of the Board of Paper Setters & Head Examiners of the Board of Intermediate and Secondary Education, Gujranwala.
- Member, Committee to Plan and Organize an International Conference on Biological Science, Chemistry and other related fields in collaboration of the Royal Society of Chemistry UK and with the support of Higher Education Commission, Islamabad.
- Member, Advanced Studies and Research Board (ASRB), P.U., Lahore
- Member, Departmental Technical Review Committee (TTS Faculty) for the Subject of Environmental Sciences & Engineering, at the Government College University, Faisalabad.

Dr. Nadia Jamil

- Life Time Member of Chemical Society of Pakistan
- Life Time Member of Environmentalist Association
- Member of Research Group on Environmental Analytical Chemistry at University of Zaragoza, Spain

Dr. Abdul Qadir

- Member, Freshwater Macro-International Society
- Member Pakistan Freshwater Fish Assessment, IUCN Species Survival Commission
- Member, Pakistan Wildlife Foundation
- Member, Pakistan Congress of Zoology



COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Membership of Associations / Networks**
 - All the faculty members of the College of Statistical and Actuarial Sciences, University of the Punjab, Lahore are members of '*Pakistan Statistical Association*'.
 - Ms. Nadia Saeed, Assistant Professor is member of *Old Ravian Union*, Pakistan.
 - Mr. Ghulam Nabi, Lecturer is the member of *Institute of Actuaries*, U.K.
 - Mr. Ghulam Nabi, Lecturer is the member of *Pakistan Society of Actuaries*, Pakistan.
 - Mr. Ghulam Nabi, Lecturer is the member of *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.

DEPARTMENT OF SPACE SCIENCE

- **Accreditation of Programmes from relevant councils**
All academic programs offered by Department of Space Science, University of the Punjab, Lahore are duly accredited from the relevant bodies of Punjab University.

INSTITUTE OF CHEMISTRY

Institute of has 27 Faculty members and 25 these are Ph.D. one Faculty member, Mr. Muhammad Hamid Raza is doing Ph.D from Germany.

PUNJAB UNIVERSITY COLLOEG 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

4

Chapter

FACULTY DEVELOPMENT

- Faculty Development Programmes (MS/ PhD Local + Foreign)
- Returned Scholars
- Present Scholars
- Pre-service and in-service Professional Development Programmes
- Achievements of Foreign Faculty





CHAPTER

4

Faculty Development

Faculty of Arts & Humanities

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

○ Returned Scholars

- Assistant Professor Dr. AmnaUmer Cheema returned with a PhD from the University of Leeds, UK in 2018 to re-join the English Department, PU. Her thesis is titled *“Elizabeth Bishop and the Baroque: A Study in Spatial Constructs”*.
- Assistant Professor Dr. ShamailaDodhy received her PhD in English Literature from Universiti Putra Malaysia, Malaysia in 2018 too. Her dissertation is titled, *“Attachment Trauma and Role of Secure Base in Selected Literary Works of Black Women Writers”*.

○ Present Scholars

- Shahzeb Khan
- Ayesha F. Barque

○ Pre-Service and In-Service Professional Development Programmes

- Postgraduate Diploma in English Language Teaching (PGD-ELT)
- Diploma in Linguistics
- Spoken English Certificate Course

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

○ Present Scholars

71 scholars of M.Phil. & Ph.D.

○ Achievements of Foreign Faculty

Eminent scholars are invited to the department and to deliver lectures on significant topics of history and research on South Asia.

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

○ Faculty development programmes

As Resource person, DrSalehaNazeer conducted various **Teachers’ Training sessions** for freshly inducted teachers at the Department to groom them about:



- Professional ethics,
- Designing a comprehensive Course Outline and identifying Learning Outcomes,
- Using Effective Teaching Strategies, Evaluation and Assessment methods, etc.
- **Pre-service and in-service professional development programmes**
 - Dr Saleha Nazeer and Ms. Sabrina A. Rassool attended seminar on “Publishing in High Impact Factor Journals: issues, trends & strategies, June 2019, PU.
 - Dr Saleha Nazeer and Ms Sabrina A. Rassool attended a workshop on “How to Approach & Manage Funded Research Projects”, June 2019, ORIC, PU.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF POLITICAL SCIENCE

- **Present Scholars**
Shabbir Ahmad Khan (Assistant Professor)

DEPARTMENT OF SOCIAL WORK

- **Faculty development programmes** (MS/PhD local + foreign)
 - Ms. Aniq Farwa, Lecturer has completed her Ph.D. from University of Queensland, Australia
 - Ms. Aliya Khalid, Assistant Professor has completed her Ph.D. from University of Peshawar.
- **Present Scholars**
 - The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of Peshawar.

Sr. No	Name and Designation	Remarks
1.	Ms. Bushra Naheed, Assistant Professor	Writing Ph.D. Thesis

- 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

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Faculty development programmes** (MS/ PhD local + foreign)
One Faculty member, Fauzia Sadaf is abroad for her Ph.D. in Sociology.
- **Returned Scholars**
One faculty member, Dr. Ahmed Usaman has returned from UK after completion of his PHEC funded Pos-Doc in Sociology



Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

- **Faculty Development Programs (MS / Ph.D Local + Foreign)**
One of our lecturer Mr. Zargham Ullah Khan has proceeded to Turkey to pursue his Ph.D. One Assistant Professor Mr. Iftikhar Ahmed and two lecturers Mr. Asad Ejaz Sheikh and Mrs. Sadia Ahmed have been enrolled for Ph.D at Malaysia. Two Assistant Professors Mrs. Farah Naz Naqvi, and Mrs. Fizza Rizvi are enrolled in Ph.D Program at local institution. Mrs. Rubina Bashir, Lecturer has proceeded to Sri Lanka for Ph.D studies.
- **Retuned Scholars**
One of our faculty members Mr. Ahmed Muneeb Mehta has completed his Ph.D from Turkey and joined back the College. As soon as other faculty members complete their Ph.D. They will return to Pakistan.
- **Present Scholars**
Five (05) Scholars are Pursuing Ph.D abroad.
Two (02) Scholars are pursuing Ph.D locally.
- **Pre-Service and In-Service Professional Development Programs**
Faculty Members have completed Faculty Development Program at University of the Punjab.

HAILEY COLLEGE OF COMMERCE

- **Faculty Development Programme**
Our faculty members are enrolled Ph.D programs at different Foreign and local universities
- **Present Scholars: 05**

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Faculty Development programs (MS/ PhD local + foreign)**
 - Two faculty members named Maria Faiq and AsmaAwan successfully completed Ph.D. studies in 2019.
- **Return Scholars**
One of the faculty member named Ms. Fareena Noor Malhi was on leave in order to pursue Ph.D. studies in USA. She resumed her duty in August 2019.
- **Present Scholars**
 - The details of present scholars are given in table. It is also relevant to mention that in March 2018 Ms. Asma Awan and Mr. Hafiz Ghulam Mujaddad also joined Department of Economics as Lecturer. Both faculty members are also Ph.D. Scholar in the same institution.



Name	Designation	Details
Abid Raza Khan	Assistant Professor	He is pursuing Ph.D. studies at New School for Social Research, New York, USA.
Fareena Noor Malhi	Lecturer	She is recipient of Fulbright scholarship for Ph.D. studies and currently working on Ph.D. dissertation.
Hafiz Ghulam Mujaddad	Lecturer	He is Ph.D. scholar at Department of Economics, PU and currently working on Ph.D. dissertation.

INSTITUTE OF ADMINISTRATIVE SCIENCES

○ **Faculty Development**

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. In last two years, 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.

INSTITUTE OF BUSINESS ADMINISTRATION

○ **Faculty Development Programs (MS/PhD local + foreign).**

Dr. Labiba Sheikh, Assistant Professor-IBA has successfully completed her Ph.D in Management from Institute of Administrative Sciences, University of the Punjab, Lahore on 07-08-2019.

○ **Returned Scholars**

- Ms. Naseem Bukhari, Assistant Professor is pursuing her Ph.D from International Centre for Education in Islamic Finance (INCEIF), Malaysia. She has returned to Pakistan and joined the duty at the institute. She is working on her PhD thesis in Pakistan.



- Ms. Qudsia Naseer, Lecturer is pursuing her Ph.D from University of Malaya, Kuala Lumpur, Malaysia. She has returned to Pakistan and joined the duty at the institute. She is working on her PhD thesis in Pakistan.
- **Present Scholars**
 - Ms. Wajiha Kazim, Lecturer is pursuing her Ph.D from University of Nottingham, UK.
 - Mr. Muddassir Latif Rawn, Assistant Professor is pursuing his Ph.D from Superior University, Lahore.
 - Ms. Masooma Iftikhar, Lecturer is pursuing her Ph.D from Australian National University, Australia.
 - Mr. Yasir Ashraf, Lecturer is pursuing his Ph.D from COMSATS University, Islamabad, Lahore Campus, Lahore.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

- **Faculty development Programs (MS/ PhD local + foreign)**
 - There are 14 regular full-time faculty members working in IBIT (Seven Assistant Professors and Eight Lecturers).
 - Seven (07) faculty members are pursuing their PhD from abroad and Two (02) are enrolled in PhD programs from Pakistan.
- **Returned Scholars**

2 Scholars have returned after successful completion of their PhD.
- **Present Scholars**

Currently IBIT has 4 PhDs in Management, Finance and Bioinformatics areas.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- One of the faculty members Dr. Samina Ashraf won Indigenous and almost completed Post-Doctoral Fellowship for the fiscal year 2018-19 by PHEC.

INSTITUTE OF EDUCATION & RESEARCH

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

Dr. Asim Nazir, Lecturer, IER completed his Ph.D in Education from Institute of Education and Research, University of the Punjab, Lahore

Post-Doctoral Fellowship Completed

Completion of Post Doc under Foreign Post Doc Fellowship Programme of Punjab Higher Education Commission (PHEC)

Dr. Muhammad Aamir Hashmi, Associate Professor, IER has completed his Post Doc fellowship at University College London, UK and joined his duties at IER on 06-05-2019.



Faculty of Engineering & Technology

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

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

Professional courses including course on rheology and processing, polymer synthesis, polymer characterization and lab safety program during research are in design phase. However, during the past years, faculty has attended different in service professional development programs and national and international workshops which are arranged by HEC and PU collectively and other organizations as well.

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

○ **Faculty Development programs (MS/PhD Local + Foreign)**

Currently three (03) faculty members are pursuing their PhDs from different foreign universities.

○ **Present Scholars**

Three faculty members are enrolled in PhD studies at different foreign universities, out of which one got the CSC (Chinese Government Scholarship) awarded by China Government and other two got their PhD grants from Higher Education Commission and foreign universities.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

○ **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 programmes (MS/ PhD local + foreign)**

	M.Sc.	PhD
Local	8	0
Foreign	2	5



- **Return Scholars:** 1
- **Present Scholars:** 4
- **Pre-service and in-service professional development programmes**
Faculty members has attended 10+ seminars/courses

INSTITUTE OF QUALITY AND 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**
4 faculty members of this Institute are working for their PhD degrees.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Faculty Development Programs (MS / PhD Local + Foreign):**
Presently following faculty members are pursuing Ph.D/Post Doctorate studies in foreign University and working on their research work.

Foreign

Sr. No.	Name of Faculty member	Subject / Area of Study
1.	Dr. Sadia Gulzar Assistant Professor	Area of Study: Islamic Economics Post Doctorate at Social Sciences University of Ankara, Turkey.
2.	Dr. Usman Ahmad Assistant Professor	Area of Study: Tafsir Post Doctorate at Social Sciences University of Ankara, Turkey.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- **Faculty Development programmes (MS/Ph.D local + foreign):** Yes
- **Present Scholars (local Ph.D.):** 06

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- **Faculty development programmes (MS/PhD local + foreign)**
 - Four Assistant Professors are registered for Ph.Ds.



- 2 faculty members are doing their 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.
- **Present Scholars:** 4

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. Zahida Qamar
2	Dr. Muhammad Shahid
3	Dr. AbdualMunim Farooq

- **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. AneelaYasmin
2	Mr. Muhammad Tariq
3	Ms. MairaTayyabBaig
4	MsSairaAzam
5	Ms. Ayesha Latief
6	Ms. Saba Tasneem
7	Ms. AbidaShezadi
8	Mr. Tahir Rehman Samiullah
9	Ms. Samra Kausar
10	Ms. Farah Naz
11	Mr. Muhammad Islam Khan
12	Mr. Saad Tahir

DEPARTMENT OF BOTANY

- **Faculty development programmes (MS/ PhD local + foreign)**
A faculty member Dr. Asma Zulfiqar has returned and joined the department in (2017) after completion of her Post Doctorate research through a grant from PHEC.
- **Present Scholars**
 - 170 Scholars are enrolled in MS/M.Phil program in the said period
 - 51 Scholars are enrolled in Ph.D Regular and Old Scheme program



DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Faculty development programmes** (MS/PhD local+foreign)
 - Dr. Nousheen Zaidi was awarded Georg Forster Research Fellowship for Experienced Researchers by the Humboldt Foundation, March 2017- 19 (for 12 months divided up into three research stays)
 - Dr. Imran Sajid was awarded Fulbright Postdoctoral Fellowship, under US Fulbright Scholars Program, 2018-2019.
- **Returned Scholars**

Ms. Hafsa Amat-Ur-Rasool completed HEC's 6 months IRSIP fellowship to complete a part of her PhD research at the Faculty of Medicine & Health Sciences, Nottingham University, UK
- **Present Scholars**
 - Ms. Hafsa Amat-Ur-Rasool is working in the Faculty of Medicine & Health Sciences, Nottingham University, UK under 12 Month Split-site (PhD) fellowship under Common Wealth Scholarship Scheme.
 - Mr. GurCharn Singh is working in Faculty of Life Sciences, School of Physiology, Pharmacology and Neuroscience, University of Bristol, UK under HEC's 6 months IRSIP fellowship to complete a part of her PhD research
 - Mr. Muhammad Hayat is working in Faculty of Medical sciences, University College London UK under HEC's 6 months IRSIP fellowship to complete a part of her PhD research
- **Achievements of Foreign faculty**

Prof. Dr. Chenghang Sun from Institute of Medicinal Biotechnology (IBM), Peking Union Medical College (PUMC) and Chinese Academy of Medical Sciences (CAMS) visited MMG in collaboration with Dr Imran Sajid project

INSTITUTE OF AGRICULTURE SCIENCES

- **Present Scholars**
 - Dr. Nureen Akhtar
 - Ms. Sana Hanif
 - Ms. Qurat-Ul-Ain Farooq

INSTITUTE OF APPLIED PSYCHOLOGY

- **Faculty Development Programmes** (MS/ PhD Local + Foreign)
 - Two faculty members doing Ph.D from UK and Germany funded by University of the Punjab, Lahore under faculty development programme.
- **Present Scholars**
 - Ms. Afifa Anjum, Lecturer is Ph.D Scholar at Institute of Applied Psychology, University of the Punjab, Lahore. (She submitted thesis for evaluation).
 - 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)**

- All the faculty members are Ph.D. and experienced researchers. They continued with their usual research activities and collaboration with laboratories in foreign Universities (Massachusetts, Cornell, UCL, Davis, NIH, Houna, Wales, Southampton, Kyoto, Kotaido, Wuhan and Putra.
- 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. The school also sends its faculty and students in the foreign laboratories to develop their skills and knowledge in the modern biological sciences. During the period under report one faculty member and one Ph.D. students have spent more than six months in foreign laboratories situated in technology advance countries.

CENTRE FOR APPLIED MOLECULAR BIOLOGY

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

- **Local**
 - Two faculty members enrolled in Ph.D
 - Two faculty members already enrolled in Ph.D are going to complete their degrees within a year or two.
- **Foreign**
 - Two faculty members are completing their PhD degrees in foreign countries for under the Faculty Development Program.
- **Returned Scholars**
 - One faculty member returned from China after completing his Ph.D.
 - **Present Scholar:** Ph.D = 10 (4 local + 2 foreign)

Faculty of Oriental Learning

DEPARTMENT OF PERSIAN

○ **Achievements of Foreign Faculty**

A Foreign Faculty Member from Firdousi University Mashhad, Iran taught in the Persian Department for one year regarding memorandum between PU, and Firdousi University, Mashhad, Iran



Faculty of Pharmacy

PUNJAB UNIVERSITY COLLEGE OF PHARMACY

- **Faculty development programmes** (MS/ PhD local + foreign)
 - Mr. Khalil urRehamn and Mr. Imran Tariq are pursuing their PhD abroad utilizing the fund of university of the Punjab. Dr. RahatShamim and Dr. Misbah have completed their PhD at pUnjab University College of Pharmacy, University of the Punjab.
- **Returned Scholars**

Dr. FurqanKurshid Hashmi – completed PhD in Pharmacy Practice from University Sains Malaysia, Malaysia.
- **Present Scholars**
 - Mr. Ejaz Ali pursuing PhD in Pharmaceutical Chemistry from University of the Punjab.
 - Mr. Imran Tariq, pursuing PhD in Bio-pharmaceutics from Germany
 - Mr. Khalil-ur-rehman pursuing PhD in Pharmacognosy from Austria
- **Pre-service and in-service professional development programmes**
 - Pre-service includes, time to time arrangements of seminars, workshops and conferences.
 - Certification for post-service professionals – Quality by Design

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Keeping in view the importance of the available resources, the CIMR brings together leading researchers and draws on the full range of expertise in the University to provide solutions to local/regional/global problems pertaining to mountainous regions. The Centre contributes to developing a greater understanding of the key scientific, social and institutional issues that underpin sustainable development of mountain resources. The following full time faculty members are:

Sr. No.	Name & Designation	Degrees	Area of Expertise	Status
1	Prof. Dr. Munawar Sabir <i>Director and Professor</i>	- M.Sc. Geography (PU) - M.Phil (GC University Lahore) - Ph.D. Geography (PU)	Population geography, Landscape ecology, ecosystem services, urban green spaces, urbanization and urban sustainability Disaster Risk Reduction,	Permanent / Full Time
2	Engr. Dr. Muhammad Yaseen <i>Assistant Professor</i>	- Research Fellow, ITC-UT, Netherlands -Ph.D. (Water Resources Engineering), UET-PAK -M.Sc. (Water Resources	Watershed Hydrology; Decision Support System and Watershed Modeling; Integrated Water Resources Management; Mountain	Permanent / Full Time



	(HEC approved Ph.D Supervisor)	Engineering), UET-PAK -B.Sc. (Agricultural Engineering), UAF-PAK	Conservation and Watershed Management; Sustainable Mountain Development; Geo-environmental Conservation and Sustainable Development; Climate Change and Disaster Risk Management; Sustainable Irrigation and Drainage System Management; Groundwater Modeling and Management	
03	Dr. Syed Umair Shahid Assistant Professor	-Ph.D (Remote Sensing and GIS), NUST-PAK -M.Phil (Remote Sensing and GIS), NUST-PAK -M.Sc. (Geography), PU-PAK	Geographical information systems, Remote sensing, Spatial interpolation methods, Spatial analysis and modelling; Spatial auto-correlation, Geo-statistics; Groundwater vulnerability assessment; Groundwater quality	Permanent / Full Time
04	Ms. Saira Batool Lecturer	-Ph.D Scholar Geography (PU) -M.Phil Geography (PU) -M.Sc. Geography (PU)	Mountain climate, mountain ecology and biodiversity. Eco tourism, sustainable development	Permanent / Full Time
05	Ms. Bushra Zia Khan Lecturer	-M.Phil (Environmental Sciences), PU-PAK B.Sc. (Geography), PU-PAK	Environmental Impact Assessment, Health and Environment, Mountain's Environment, Environmental Management, Occupational health and safety System, Solid Waste Management, Climatology, Mountain Hazards and Disaster Management, Mountain Resource Management, Biodiversity and Conservation, Geomorphology, Research methods and Techniques, Demographic Survey	Permanent / Full Time
06	Ms. Nayab Alam Lecturer	- Ph.D Scholar (Remote Sensing and Geographical Information System), PMAS-AAU, PAK -M.Phil (Environmental Sciences), PU-PAK -B.Sc. (Hons) (Geography), Kinnaid	Geo-environmental Sciences, Sustainable Mountain Development, Mountain Eco-tourism and its role in conservation, Mountain disaster and risk management, Land and water resource management, Resources and	Permanent / Full Time



		College for Women, Lahore	land use Climate Change impacts on biodiversity and environmental sustainability, and Integrated Mountain Geo-morphology	
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COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **Faculty Development Programs (MS / PhD Local + Foreign):**

Presently following faculty members are pursuing PhD studies in foreign University 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. Anum Tariq	-do-	Environmental Sciences
3.	Mr. Muhammad Waqar	-do-	Applied Hydrology

○ **Present Scholars: 03**

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

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

- 1 faculty member is doing PhD from UK

○ **Returned Scholars**

Two faculty member who were doing Ph.D from UK and Malaysia completed the program and returned back.

○ **Present Scholars**

- 1 faculty member is registered as PhD student in Punjab University
- 1 faculty member is enrolled in PhD at LUMS
- 1 faculty member is enrolled in PhD at The Lahore University

DEPARTMENT OF GEOGRAPHY

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

Presently the department is availing the services of Nine regular teachers. Out of these regular teachers 5 are PhDs (One foreign&Four local PhD)1 PhD faculty member of TTS while 3 are MPhil,1 is MSc.

DEPARTMENT OF MATHEMATICS

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

- Ms. Maasoomah Sadaf and Ms. Saira Hamid, Lecturers completed their Ph.D. from Department of Mathematics, University of the Punjab, Lahore.

**DEPARTMENT OF PHYSICS****○ Returned Scholars**

Dr. Muhammad Shahbaz returned back after completing his PhD degree from USA

○ Present Scholars

- Miss Attia Falak (Lecturer) is doing PhD from China University under the PU-HEC Faculty Development Programme.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY**○ Returned Scholar**

Rukhsana Kausar

Zobia Suhail

○ Present Scholars

- Sadia Shahzad
- Mr. Abdul Khaliq
- Mr. Abdul Mateen
- Muhammad Ahmad Ghazali
- Ms. Saima Ali
- Ms. Muddasra Arshad
- Ms. Amina Mustansir
- Kashif Murtaza
- Ayesha Khan
- Mr. Imran Javed

Punjab University Gujranwala Campus**○ Faculty development Program (MS/ PhD local + Foreign)**

- 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.
- This year one more faculty member of Information Technology completed PhD from Sweden and joined back.

○ Present Scholars: 1

5

Chapter

ACCESS

- Basic Enrolment
- Equity
- Gender-wise Detail
- Employability





CHAPTER

5

Access

Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

- **Basic enrolment:** M.Phil = 19 Morning, Ph.D = 03
- **Equity:** 34 Ph.D + 39 M.Phil (20+19) Morning & 16 M.Phil. Evening (16)
- **Gender-wise Detail**

	Male	Female
M.Phil 2019	14	05
M.Phil. Evening 2018	08	08
PhD 2018	04	03
M.Phil. Morning 2018	12	08

COLLEGE OF ART AND DESIGN

- **Basic enrolment:**

Regular Fee Structure		Bachelor			Master			M.Phil			Diploma/Certificate		
	Semester	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 st Year	I	24	75	99	1	21	22	0	15	15			
2 nd Year	III	21	71	92	5	27	32	13	56	69			
3 rd Year	V	15	76	91									
4 th Year	VII	28	71	99									
5 th Year	IX	12	22	34									
Sub-Total (i)		100	315	415				13	61	74			
Self-Support Program		Bachelor			Master			M.Phil			Diploma 2018-19		
	Semester	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 st Year	I	25	36	61	0	6		12	11	23	39	77	100
2 nd Year	III	25	42	67	0	15		22	14	36			
3 rd Year	V	11	46	57									
4 th Year	VII	23	42	65									
Sub-Total (ii)		84	166	250	0	21		34	25	59			
Total (I + ii)											39	77	116

- **Faculty-student ratio**

Program	Ratio
B. Arch	1:54
BFA	1:22
MA	1:5
MFA	1:5
M.Arch	1:18
M.Phil	1:13



DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Basic Enrolment:** 537 students
- **Gender-wise Detail**

Programme	Male	Female	Total
Ph. D	0	6	6
MA – I (Morning & Replica)	18	29	47
BS-I	17	34	51
BS-III	13	14	27
BS-V	11	18	29
BS-VII	13	24	37
PGD-ELT	04	19	23
Diploma in Linguistics	15	27	42
Spoken English Certificate (4 session in a year)	167	108	275
Total			537
No. of Permanent & Visiting Faculty			28
Faculty-Student Ratio			1 : 19

- **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:** 213
- **Gender-wise Detail**

S.No.	Program	Male	Female
1	BS in History	19	06
2	M.A. History	11	04
3	M.A Pakistan Studies	43	30
4	M.Phil. in History	22	19
5	Ph.D. in History	20	11
6	Ph.D. (Chinese students)	19	07
7	Post Doctorate in History	01	01

- **Employability**
The graduating students of department are eligible to serve in public and private sectors. Many students who have completed their Maters, M.Phil.and Ph.D.degrees are now serving in educational institutes and are posted in civil services of Pakistan.
- **Faculty –Student ratio:** 30

PAKISTAN STUDY CENTRE

- **Basic enrolment**
Ph.D. Pakistan Studies : 10
M. Phil. Pakistan Studies: 30



○ **Gender-wise Detail**

	Male	Female
PhD Pakistan Studies 2018	05	05
M. Phil. Pakistan Studies 2018-19	19	11

○ **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**

PhD Pakistan Studies 2018	03:01
M. Phil. Pakistan Studies 2018-19	07:01

DEPARTMENT OF FRENCH

○ **Basic enrollment**

- BS (hons): 24
- M.A French: 20
- Short courses certificates (evening): 16

○ **Employability**

The feedback from the alumni and passed out graduates continued to show instant market/industry absorption of our top graduates who were offered employment much before their graduation on the basis of their academic excellence and expertise in French Studies. Such statistics prove that the field of French Studies is in high demand in both public and private sectors.

○ **Faculty-student ratio**

S. No.	Faculty	Students	Ratio
1.	2	70	2:35

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **Basic enrolment: 617**

○ **Gender-wise Detail**

Regular		BS			Master			M Phil			Ph.D		
Year	Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1 st Year	I	20	27	47	18	22	40	2	18	20	4	6	10
2 nd Year	III	12	32	44	7	15	22	3	17	20	0	9	9
3 rd Year	V	14	38	52							3	7	10
4 th Year	VII	10	49	59							2	4	6
Sub-Total (i)		56	146	202	25	37	62	5	35	40	9	26	35



Self-Support		BS			Master			M Phil			Ph.D		
	Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1 st Year	I	24	40	64	11	13	24	4	16	20	2	8	10
2 nd Year	III	16	36	52	4	7	11	3	16	19	6	4	10
3 rd Year	V	19	34	53							2	4	6
4 th Year	VII	14	38	52									
Sub-Total (ii)		73	148	221	15	20	35	7	32	39	10	16	26
Total (i+ii)		129	294	443	40	57	97	12	67	79	19	42	61

○ **Employability**

- Public Sector: Lecturers in the Home Department, Lahore College for Women University, Fatima Jinnah College, Chuna Mundi , Fatima Jinnah Women University
- Gender Specialists in GRAP, DWD and Ministry of Human Rights
- Private Sector: National and International NGOs

○ **Faculty-student ratio: 1:12**

DEPARTMENT OF POLITICAL SCIENCE

○ **Basic enrolment**

Sr. No.	Program	Total Number of Students Enrolled
1	BS (Hons.) Political Science	46
2	M.A Political Science	52
3	M.A International Relations	54
4	M.A Diplomacy & Strategic Studies	42
5	M.Phil Political Science	13
6	M.Phil International Relations	16
7	Ph.D Political Science	08
8	Ph.D International Relations	15
Total:		246

○ **Gender wise detail**

Sr. No.	Program	Gender Wise Enrolled		Total Number of Students
		Male	Female	
1	BS (Hons.) Political Science	30	16	46
2	M.A Political Science	36	16	52
3	M.A International Relations	38	16	54
4	M.A Diplomacy & Strategic Studies	29	13	42
5	M.Phil Political Science	5	8	13
6	M.Phil International Relations	9	7	16
7	Ph.D Political Science	5	3	08
8	Ph.D International Relations	8	7	15
Total:		210	75	246



○ **Employability**

In Media, Teaching, Foreign Office, NGO's, Judiciary and other administrative posts in govt. and private sector

○ **Faculty student ratio**

1/22 (11 Faculty members, 246 students)

DEPARTMENT OF SOCIAL WORK

○ **Basic enrolment**

BS Social Work Self supporting (First Semester) Session 2018-2022 (Total 75 Students Enrolled)	
Male	Female
37	38

	M.Sc. Social Work Part-I Session 2018-2020 (Total 114 Students Enrolled)	
	Male	Female
Morning Programme (Total Students 61)	26	37
Replica Programme (Total Students 62)	16	35

M.Phil. Social Work (First Year) Session 2018-2020 (Total 15 Students Enrolled)	
Male	Female
03	12

Ph.D Social Work (First Year) Session 2018-2021 (Total 09 Students Enrolled)	
Male	Female
01	08

○ **Gender wise Detail**

Programmes	Gender		Total Number of Students
	Males	Females	
PhD (First Year)	01	08	09
PhD (Fourth Year)	07	01	08
PhD (Fifth Year)	03	05	08
M.Phil (First Year)	03	12	15
M.Phil (Second Year)	07	17	24
M.Phil (Fourth Year)	02	08	10
M.Sc. Part-I (Morning)	26	37	63



M.Sc. Part-I (Replica)	16	35	51
M.Sc. Part-II (Morning)	28	33	61
M.Sc. Part-II (Replica)	16	42	58
BS Semester-I (Regular)	37	38	75
BS Semester-III (Replica)	31	38	69
Total Students			451

○ **Faculty Student Ratio:**

Total Number of Students (451) = 75.16

Total Number of Faculty Members (6) = 1

INSTITUTE OF COMMUNICATION STUDIES

○ **Basic Enrolment**

▪ BS (4-Year) Communication Studies (Gender wise detail)

Male	20
Female	35
Total	55

▪ BS (4-Year) Communication Studies (Replica Program) Gender wise detail

Male	19
Female	31
Total	50

▪ M.Sc Communication Studies (Morning Program) (Gender wise detail)

Male	44
Female	19
Total	63

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

Male	54
Female	15
Total	69

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

Male	36
Female	35
Total	71

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

Male	37
Female	13
Total	50



▪ M. Phil (Research Track) (Gender wise detail)

Male	07
Female	18
Total	15

▪ M. Phil (Professional Track) (Gender wise detail)

Male	16
Female	11
Total	27

Total Male Students = 233

Total Female Students = 168

Grand Total = 401

○ **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 = 17

Total Number of Visiting Faculty Members = 15

Total Number of Students (Approximately) = 900

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **Basic enrolment**

Total number of enrolled students in the current period are 1108

○ **Gender-wise Detail**

▪ **BS Sociology & Socio Cultural Studies (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	BS.(4Year) Semeseter-II	57	25	32	57
2	BS.(4Year) Semeseter-IV	57	25	32	57
3	BS.(4Year) Semeseter-VI	62	27	35	62
4	BS.(4Year) Semeseter-VIII	54	19	35	54

▪ **BS Sociology & Socio Cultural Studies (Replica)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	BS.(4Year) Semeseter-II	76	33	43	76
2	BS.(4Year) Semeseter-IV	78	32	46	78
3	BS.(4Year) Semeseter-VI	74	33	37	70
4	BS.(4Year) Semeseter-VIII	73	33	40	73



▪ **M.Sc. Sociology (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Sc. Sociology-II	60	21	36	57
2	M.Sc. Sociology-IV	60	22	34	56

▪ **M.Sc. Sociology (Replica)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Sc. Sociology-II	74	28	25	53
2	M.Sc. Sociology-IV	74	27	19	46

▪ **M.Sc. Development Studies (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Sc. Dev.Studies-II	74	6	11	17
2	M.Sc. Dev.Studies-IV	74	18	7	25

▪ **M.Sc. Development Studies (Replica)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Sc. Dev.Studies-II	60	24	29	53
2	M.Sc. Dev.Studies-IV	60	28	24	52

▪ **M.Sc. Criminology and Security Studies (Evening)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Sc. Criminology-II	70	59	11	70
2	M.Sc. Criminology-IV	70			

▪ **M. Phil. Sociology (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Phil. Sociology-II	20	6	14	20
2	M.Phil. Sociology-IV	20	5	15	20

▪ **Ph.D. Sociology (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	Ph.D in Sociology-I	10	5	5	10
2	Ph.D in Sociology-V	10	8	2	10
3	Ph.D in Sociology-VII	11	4	7	11
4	Ph.D in Sociology-IX	9	6	3	9

▪ **Ph.D. Sociology (Replica)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	Ph.D in Sociology-I	11	2	9	11



2	Ph.D in Soiciology-V	10	7	3	10
3	Ph.D in Soiciology-VII	10	5	5	10

▪ **M.Phil. Education Policy & Development (Regular)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Phil in EPD-I	20	4	16	20

▪ **M.Phil. Education Policy & Development (Replica)**

Gender Wise List of Students From October 2018 to September 2019

S. No	Program	Total No. of Seats	Male	Female	Total
1	M.Phil in EPD-IV	21	6	15	21

○ **Employability**

- All of the programs of Institute of Social & Cultural Studies are designed in a way that the graduates will get the relevant jobs as per their capabilities

○ **Faculty-student ratio**

Number of teachers	Number of students enrolled	Ratio
10	1108	1:111

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

○ **Basic enrolment**

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

Program	Session	Semester	Boys	Girls	Total
BBA (Hons)	2018-22	Ist Semester	45	29	74
BBA (Hons)	2017-21	4 th Semester	28	40	68
BBA (Hons)	2016-20	6 th Semester	30	27	57
BBA (Hons)	2015-19	8 th Semester	36	30	66
Total			139	126	265

MBA Banking & Finance (3.5 Years/1.5 Years Morning Program)

Program	Session	Semester	Boys	Girls	Total
MBA	2018-22	Ist Semester	38	35	73
MBA	2017-21	4 th Semester	34	35	69
MBA	2016-20	6 th Semester	35	37	72
MBA (MS)	2018-20	Ist Semester	33	21	54
MBA (MS)	2017-19	3 rd Semester	23	23	46
Total			163	151	314


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

Program	Session	Semester	Boys	Girls	Total
EMBA	2018-22	Ist Semester	180	46	226
EMBA	2017-21	3 rd Semester	114	24	138
EMBA	2016-20	5 th Semester	104	30	134
EMBA	2015-19	7 th Semester	105	29	131
Total			500	129	629

 ○ **Gender Wise Detail: Total Students (Banking & Finance)**

Program	Boys	Girls	Total
BBA (Hons)	139	126	265
MBA	163	151	314
EMBA	500	129	629
Grand Total	802	406	1208

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

Programs	Session	Semester	Boys	Girls	Total
BBA (Hons)	2018-22	Ist Semester	38	24	62
BBA (Hons)	2017-21	4 th Semester	18	36	54
BBA (Hons)	2016-20	6 th Semester	23	28	51
BBA (Hons)	2015-19	8 th Semester	23	36	59
Total			102	124	226

MBA Insurance & Risk Management (3.5 Years Morning Program)

Programs	Session	Semester	Boys	Girls	Total
EMBA	2018-22	Ist Semester	35	5	40
EMBA	2017-21	3 rd Semester	77	19	96
EMBA	2016-20	5 th Semester	79	39	118
EMBA	2015-19	7 th Semester	83	28	111
Total			274	91	365

MBA Insurance & Risk Management (3.5 Years Evening Program)

Programs	Session	Semester	Boys	Girls	Total
BBA (Hons)	2018-22	Ist Semester	38	24	62
BBA (Hons)	2017-21	4 th Semester	18	36	54
BBA (Hons)	2016-20	6 th Semester	23	28	51
BBA (Hons)	2015-19	8 th Semester	23	36	59
Total			102	124	226

 ○ **Gender Wise Detail: Total Students (Insurance & Risk Management)**

Program	Boys	Girls	Total
BBA (Hons)	102	124	226
MBA	144	122	266
EMBA	274	91	365
Grand Total	520	337	857

 ○ **Equity**

No discrimination is being made for enrolment in our College. At present Muslims, Hindus and Christians are also studying in our College.



○ **Employability**

Our graduates have so far been well accepted in Banks, Corporate Sector Insurance Sector, Central Supervisor Services and Government entities. We are also making efforts to increase the employability possibilities for their employment abroad. Some of them have procured jobs in Singapore, Switzerland, Middle East, South Africa etc. Our alumni hold top positions in financial sector.

○ **Faculty Student Ratio**

Faculty – Student Ratio is: 1 (Faculty): 100 (Students) The gap is being filled by associating part-time teachers.

HAILEY COLLEGE OF COMMERCE

○ **Basic Enrolment**

- Admitted in B.Com Hons. 4 years semester Programme after passing Intermediate
- Admitted in M.Com 3 ½ years after passing B.Com. I.T 2 years programme
- Admitted in M.Com 1 ½ after passing B.Com 4 years or M.Com 2 years.

○ **Gender wise Detail**

Program		No. of students admitted				No. of Seats sectioned	
		Merit		Reserved		Merit	Reserved
		M	F	M	F		
Bachelor B. Com (4 Yrs)	Morning	105	97	-	-	200	-
	Replica	125	71	-	-	200	-
Master M.Com (3½ Years)	Morning	43	43	-	-	86	-
	Replica	59	35			94	
M. Com (1½ years)	Morning	26	22	-	-	50	-
	Replica	11	10	-	-	50	-
	Evening			-	-	50	-
M.Phil.	Morning	3	17	-	-	20	-
Ph.D.	Morning	10	9	-	-	20	-

○ **Faculty Student Ration**

No of Budgeted Post		No. of Faculty Member actually present Permanent Contractual		No. of Ph.D Teachers	No. of Non-Ph.D Teachers	Programs running in the College Programme No. of Students	
Professors	04	04	00	04	0	B.Com (Hons.) Various Semesters	1449
Associate Professors	06	03	00	00	03	M.Com 3 ½ years Various Semesters	607
Assistant Professors	15	12	00	08	04	M.Com 1 ½ years	137
Lecturers	18	01	00	00	01	M.Phill Ph.D	60 75



Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

○ **Basic Enrollment**

The number of students admitted for academic session 2019-2021 is given in table

Program		No. of Applications Received	No. of Students Admitted		No. of Seats Sectioned	
			Merit	Reserved	Merit	Reserved
Bachelor	Morning	1092	50	8	50	10
	Replica	760	50	3	50	4
	Evening	-	-	-	-	-
Master	Morning	416	60	7	69	10
	Replica	230	29	-	69	4
	Self-Supporting (MBEcon)	224	61	-	69	4
Ph.D.		-	-	-	10	-
M.Phil.		243	20	-	20	-
M.Phil. (Self-Supporting Program)		173	13	-	40	-

○ **Equity**

Equity in terms of fairness, inclusion and access is top priority of Department of Economics because it plays significant role in narrowing the achievement gap. All students enrolled during 2018-19 regardless of gender, socio-economic status, language background and religion received quality education from our competent faculty in a conducive learning environment and equally acquired access to services (library, technical equipment, computer lab) from institute. The Department of Economics has ensured that all students are able to learn and explore.

○ **Gender and Year Wise Breakup**

The student enrollment by gender and year for academic session 2018-19 is as follows:

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year		Total
	M	F	M	F	M	F	M	F	
Morning	27	32	22	30	-	-	-	-	111
Replica	27	27	17	12	-	-	-	-	83



■ **Master Degree**

	1 st Year		2 nd Year		Total
	M	F	M	F	
Morning	19	57	11	53	140
Replica	15	19	9	12	55
MBEcon (Afternoon)	20	29	07	16	72

■ **M.Phil. Degree**

	1 st Year		2 nd Year		Total
	M	F	M	F	
Regular	06	14	5	13	38
Self-Supporting	05	01	05	17	28

■ **Ph.D. Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year		Total
	M	F	M	F	M	F	M	F	M	F	
Regular	0	0	3	4	6	4	4	6	3	3	33

○ **Employability (max 02 lines)**

Our Bachelor graduates shall be ready for entry level positions in public and private organizations. Our Master graduates shall be able to work as lecturers, managers, financial analysts, bankers and business executives. Our M.Phil. and Ph.D. graduates shall be well equipped with research skills for notable contributions in the field of economics.

○ **Student – Teacher Ratio**

The number of teaching staff is

(a) Student - Teacher Ratio

Total No. of Students (New Intake)	Total No. of Teachers (Regular)
298	10
It means Student – teacher ratio is 30:1	

(b) Student - Teacher Ratio

Total No. of Students (New Intake + Existing)	Total No. of Teachers (Regular)
(298 + 262) = 560	10
It means Student – teacher ratio is 56:1	

DEPARTMENT OF INFORMATION MANAGEMENT

○ **Basic enrolment**

In Masters (Morning & Afternoon) program, seventy two students got admission in 2019. In M.Phil program, nine students admitted and in Ph.D. program, seven students got admission.



○ **Gender-wise Detail**

Program	Male	Female	Total
M.A (Morning, Afternoon)	32	40	72
MPhil Regular	6	3	9
PhD	3	4	7

○ **Employability**

The Department regularly conducts surveys to know the job market of its graduates and the needed competencies. Efforts have been made to improve the job market and quality of the program.

○ **Faculty-student ratio**

There were 9 teachers available in the department. The student ratio was 1:9. The department also hired visiting faculty members.

INSTITUTE OF ADMINISTRATIVE SCIENCES

○ **Basic enrolment**

Fall Semester 2018-19								
Sr. No	Shift	Class	Semester	Session	Male	Female	Total	
1.	Regular	PhD in Management	1 st	2019-22	0	0	0	64
2.	Regular	M.Phil in Management	1 st	2019-21	0	0	0	
3.	Regular	M.Phil in Management	3 rd	2018-20	2	13	15	
4.	Regular	Master of Public Administration (18 Years)	1 st	2019-21	0	0	0	
5.	Regular	Master of Public Administration (18 Years)	3 rd	2018-20	12	12	24	
6.	Regular	MS HRM	1 st	2019-21	0	0	0	
7.	Regular	MS HRM	3 rd	2018-20	6	19	25	
8.	Replica	M.Phil in Management	1 st	2019-2021	0	0	0	58
9.	Replica	M.Phil in Management	3 rd	2018-2020	7	13	20	
10.	Replica	Master of Public Administration (18 Years)	1 st	2019-2021	0	0	0	
11.	Replica	Master of Public Administration (18 Years)	3 rd	2018-2020	7	4	11	
12.	Replica	MS HRM	1 st	2019-2021	0	0	0	
13.	Replica	MS HRM	3 rd	2018-2020	4	23	27	
14.	Evening	Master of Public Administration (18 Years)	1 st	2019-2021	0	0	0	145
15.	Evening	Master of Public Administration (18 Years)	3 rd	2018-2020	37	22	59	
16.	Evening	MS HRM	1 st	2019-2029	0	0	0	
17.	Evening	MS HRM	3 rd	2018-2020	30	26	56	



Fall Semester 2018-19								
Sr. No	Shift	Class	Semester	Session	Male	Female	Total	
18.	Evening	MS HA	1st	2019-2021	0	0	0	462
19.	Evening	MS HA	3rd	2018-2020	11	19	30	
20.	Regular	Master of Human Resource Management	1st	2019-2021	27	27	56	
21.	Regular	Master of Human Resource Management	3rd	2018-2020	22	30	52	
22.	Regular	Master of Marketing	1 st	2019-2021	36	16	52	
23.	Regular	BS (Hons) Management	1st	2019-2023	27	44	71	
24.	Regular	BS (Hons) Management	3rd	2018-2022	26	47	73	
25.	Regular	BS (Hons) Management	5th	2017-2021	31	48	79	
26.	Regular	BS (Hons) Management	7th	2016-2020	27	52	79	

Fall Semester 2018-19								
Sr. No	Shift	Class	Semester	Session	Male	Female	Total	
27.	Replica	Master of Human Resource Management	1st	2019-2021	26	23	49	481
28.	Replica	Master of Human Resource Management	3rd	2018-2020	37	16	53	
29.	Replica	Master of Marketing	1 st	2019-2021	15	6	21	
30.	Replica	BS (Hons) Management	1st	2019-2023	33	48	81	
31.	Replica	BS (Hons) Management	3rd	2018-2022	43	41	84	
32.	Replica	BS (Hons) Management	5th	2017-2021	34	67	101	
33.	Replica	BS (Hons) Management	7th	2016-2020	36	56	92	
34.	Evening	Master of Marketing	5 th	2017-19	26	2	28	224
35.	Evening	Master of Human Resource Management	5 th	2017-19	30	16	46	
36.	Evening	Master of Marketing	3rd	2018-20	29	4	33	
37.	Evening	Master of Human Resource Management	3rd	2018-20	17	10	27	
38.	Evening	Master of Marketing	1 st	2019-21	32	4	36	
39.	Evening	Master of Human Resource Management	1 st	2019-21	28	26	54	
Total Students								1720



○ **Detail of Enrolled Students**

Bachelor (Morning)				
Semester	Session	Male	Female	Total
I	2019-23	27	44	71
III	2018-22	26	47	73
V	2017-19	31	48	79
VII	2016-20	27	52	79
Total		111	191	302
Bachelor (Self-Supporting)				
Bachelor				
Semester	Session	Male	Female	Total
I	2019-23	33	48	81
III	2018-22	43	41	84
V	2017-19	34	67	101
VII	2016-20	36	56	92
Total		146	212	358

MS / M.Phil. Morning					
Semester	Session	MPhil	MPA	MSHRM	Total
I	2019-21	0	0	0	0
III	2018-20	15	24	25	64
		15	24	25	64
MS / M.Phil. (Self Supporting)					
Semester	Session	MPhil	MPA	MSHRM	Total
I	2019-21	0	0	0	0
III	2018-20	20	11	27	58
		20	11	27	58
MS / M.Phil. (Self-Supporting) Evening					
Semester	Session	MPA	MSHRM	MSHA	Total
I	2019-21	0	0	0	0
III	2018-20	59	56	30	145
		59	56	30	145

Master (Morning)				
Semester	Session	HRM	MMKT	Total
I	2019-21	56	52	108
III	2018-20	52	0	52
		108	52	160
Master (Self-Supporting) Afternoon				
Semester	Session	HRM	MMKT	Total
I	2019-21	49	21	70
III	2018-20	53	0	53
		102	21	123
Master (Self-Supporting) Evening				
Semester	Session	HRM	MMKT	Total
I	2019-21	54	36	90
III	2018-20	27	33	60
VI	2017-2019	46	28	74
Total		127	97	224



Merit Scholarship Distributions Year 2018-2019		
	Students	Scholarship
MHRM	195	7
BS	585	22
MPA/Mphil/PhD	168	13
	948	42

INSTITUTE OF BUSINESS ADMINISTRATION

○ **Basic enrolment**

Sr. No.	Program	No. of Enrolled Students
1	Ph.D in Business Administration	14
2	M.Phil in Business Administration	36
3	MBA 1½ Years (Morning)	155
4	MBA 3½ Years (Afternoon)	166
5	Executive MBA (Evening)	402
6	BBA Hons (Morning)	218
7	BBA Hons (Afternoon)	226
Total		1217

○ **Gender-wise Detail**

Sr. No.	Program	Male	Female	Total
1	Ph.D in Business Administration	6	8	14
2	M.Phil in Business Administration	10	26	36
3	MBA 1½ Years (Morning)	66	89	155
4	MBA 3½ Years (Afternoon)	110	56	166
5	Executive MBA (Evening)	351	51	402
6	BBA Hons (Morning)	98	120	218
7	BBA Hons (Afternoon)	127	99	226
Total		768	449	1217

○ **Employability:** About 75%.

○ **Faculty-student ratio**

No. of Faculty (permanent/contract)	No. of Student (Morning programs)	Faculty-student Ratio
15	423	1:28

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

○ **Basic enrolment**

IBIT has 689 students enrolled out of which 632 are in BBIT(Hons.) and 57 are in MBIT via BBIT program.



○ **Gender-wise detail**

The gender-wise detail of enrolled students in Fall Semester 2018 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	
F13	1	0	0	0	1	0	0	0	2
F14	2	2	4	1	0	0	0	0	9
F15	12	29	16	17	13	26	22	20	155
F16	7	31	14	24	14	18	24	19	151
F17	13	17	20	20	14	24	18	22	148
F18	14	27	22	20	15	26	20	23	167

Program		MBIT via BBIT							
Session	Morning A		Afternoon A		Morning B		Afternoon B		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
F16	1	2	0	0	0	0	0	0	3
F17	8	24	0	0	0	0	0	0	32
F18	9	13	0	0	0	0	0	0	22

○ **Equity**

All measures are taken to provide safe, inclusive and equitable environment with zero tolerance for discrimination. Department's disciplinary committee takes appropriate action if any such case arises.

○ **Employability**

Director office has invigorated Industrial Liaison Society which organizes job fairs, alumni talks, in-house job interviews/ tests and industrial visits to ensure student employability.

○ **Faculty-Student ratio**

BBIT	MBIT	Total Students	Faculty
304	54	363	14
Faculty-Student Ratio		25	1

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

○ **Basic enrolment**

▪ Basic enrolment in M.A in Special Education

M.A. Program	Male students	Female students	Total Number of students
Morning	19	43	62
Self-supporting	19	41	60



▪ Basic enrolment in M.Phil. in Special Education

M.Phil. Program	Male students	Female students	Total Number of students
Morning	06	09	15

▪ Basic enrolment in Ph.D. in Special Education

Ph.D. Program	Male students	Female students	Total Number of students
Regular	03	06	09

○ **Employability**

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

○ **Faculty student ratio**

▪ Student teacher ratio of special education in M.A. in Special Education

Total students	Total teachers	Ratio
122	06	20.33

▪ Basic enrolment in M.Phil. in Special Education

Total students	Total teachers	Ratio
16	06	2.15

▪ Student teacher ratio of special education in Ph.D. in Special Education

Total students	Total teachers	Ratio
09	06	1.5

INSTITUTE OF EDUCATION & RESEARCH

○ **Basic Enrolment**

Program		No. of Students Admitted
Bachelor	Morning	216
	Replica	94
Master	Morning	389
	Replica	255
Ph. D		24
M. Phil		190

○ **Gender-wise Detail**

Bachelor Degree	1st Year		2nd Year	
	M	F	M	F
Morning	51	165	07	80
Replica	11	83	08	85
Master Degree				
Morning	79	310	50	269
Replica	49	206	46	166
M.Phil Leading to Ph.D Degree				
Regular	08	71	08	61
Replica	19	92	21	90
Ph.D	05	19	04	05



○ **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	45	1284	1062	2346
Contract	0			
Visiting	20			
Total	65			
Student Teacher Ratio		1:19.75	1:16.33	1:36.09

Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

- **Basic Enrolment:** 164
- **Gender-wise Detail:** Male = 121 Female = 43
- **Employability:** 80%
- **Faculty-Student Ratio:** 1:20.5

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

○ **Basic Enrolment**

Program	Year of Enrolment	No. of Students
M. Phil Polymer Technology	2018-20	16

Program	Year of Enrolment	No. of Students
Ph.D Polymer Technology	2014	14
Ph.D Polymer Technology	2015	12
Ph.D Polymer Technology	2018 Spring	11

○ **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	9	7	16
Ph.D Polymer Technology	21	16	37



○ **Employability**

Students getting free after completion of M.Phil Polymer Technology program are getting jobs in Polymer Industries in Pakistan and also got admission in foreign universities of UK, Ireland, Australia and Germany for Ph.D

○ **Faculty-student ratio**

Student Faculty ratio for M.Phil Polymer Technology

Session	No. of Students	No of Teachers	Student Faculty ratio
2018-20	16	6	2.66:1

Student Faculty Ratio for Ph.D Polymer Technology

Session	No. of Students	No of Teachers	Student Faculty ratio
2014	14	6	2.5:1
2015	12	6	2.0:1
2018	11	6	2.0:1

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

○ **Basic Enrollment**

Program		No. of Students Admitted		No. of Seats Sectioned	
		Merit	Reserved	Merit	Reserved
Bachelor	Regular Program	43			
	Self-Supporting Program	49			
Ph. D		-		30	
M. Phil / M.Sc. (Engg.)		33		40	

○ **Gender-Wise Detail**

Bachelor Degree

	1st Year		2nd Year		3rd Year		4th Year	
	M	F	M	F	M	F	M	F
Regular Program	40	3						
Self-Supporting Program	40	9						

M.Phil / M.Sc. (Engg.) Degree

	1st Year		2nd Year	
	M	F	M	F
Evening	8	3		

○ **Employability:**

Most of our graduates get jobs in Govt. and private sector. In Govt. sector, our students are serving in Pakistan Atomic Energy Commission, Pakistan Steel Mills, Heavy Mechanical Complex, NDC, AWC, Wah Ordinance factory, etc. In Private sectors, our students are serving in Descon, Steel mills, Foundries, Plastic industry, Rolling mills, etc. Every year, a good proportion of our students also obtain jobs in Middle East.



○ **Faculty-Student Ratio**

Department	Total Students in Undergraduate Program	No. of Teachers	Student-Teacher ratio
Metallurgy and Materials Engineering	202 (Regular Programme) 181 (Self-Supporting Programme)	17	11.88:1 (RP) 10.64:1 (SS)

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

○ **Basic Enrolment**

- 4-years B.Sc Chemical Engineering program enrollment

	Applicants	Enrolled
Regular Programme	1741	49
Self-Supporting Programme	577	50

- 2-year M.Sc Chemical Engineering Program enrollment 2018 (Fall) which is equivalent to MPhil degree. Enrollment is twice a year in fall and other in spring session.

Applicants	Enrolled
134	37

○ **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

	Male	Female
Regular Programme	30	19
Self-Supporting Programme	43	7

- 2-years M.Sc Chemical Engineering Program enrollment

Male	Female
31	6

○ **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 enrolment:** 40 Students Intake (B.Sc. Electrical Engineering)

- **Gender-wise Detail**

1 st Year		2 nd Year		3 rd Year		4 th Year	
M	F	M	F	M	F	M	F
35	8	36	5	33	6	33	6

- **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	162
Total number of dedicated teachers	11+4* (on Study Leave)
Faculty-student ratio	14:1

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Basic enrolment:** Overall 199 students were enrolled

- **Gender-wise detail**

Programme	2018-19		Total
	Male	Female	
BSc (Engg) Industrial Engineering & Management	22	11	33
MS Total Quality Management (Evening)	59	17	76
MS Industrial Engineering & Management (Evening)	33	02	35
Grand Total			199

- **Employability**

Alumni of this Institute are working in wide range of Industries all over the globe. Some alumni are even teaching in foreign Universities. All the programs have established their relative worth in the job market and Institute focus on improving curriculum as per needs of the employer and on feedback of Alumni.

- **Faculty-student ratio**

Programme	Faculty-Student Ratio
BSc (Engg) Industrial Engineering & Management	1:8
MSc Quality & Performance Management	1:2
MS Total Quality Management	1:5
MS Industrial Engineering & Management	1:2
PhD Total Quality Management	1:3



Faculty of Islamic Studies

INSITUTE OF OF ISLAMIC STUDIES

○ Basic enrolment

Sr. No.	Name of Programme	Number of Students
1	B.S Islamic Studies Specialization in Study of World Religion (Self-Supporting) Program	65
2	M.A Islamic Studies (Morning) Program	101
3	M.A Islamic Studies (Self-Supporting, Evening) Program	26
4	Ph.D Islamic Studies	15
		207

○ Gender-wise Detail

Program / Discipline		Number of Students	
Class/Discipline/Program		Male	Female
BS Self-Supporting:	1 st Semester	12	53
	3 rd Semester	05	47
	5 th Semester	01	54
	7 th Semester	05	43
M.A Islamic Studies (Morning):	1 st Semester	31	70
	3 rd Semester	20	70
M.A Islamic Studies (Evening):	1 st Semester	06	20
	3 rd Semester	08	37
M.Phil Islamic Studies Specialization in Islamic Economics (Self-Supporting) Program 3 rd Semester		23	04
M.Phil Islamic Studies Specialization in Study of World Religion (Self-Supporting) Program: 3 rd Semester		25	06
Ph.D. Islamic Studies	1 st Semester	11	04
	3 rd , 5 th , 7 th , 9 th Semester	38	22

○ Employability

Education, Social Sciences, Social Work and research departments.

○ Faculty-student ratio

Presently Institute of Islamic Studies has as strength of **296** students in regular / Morning graduate & postgraduate degree programs and has 13 permanent faculty members.

Accordingly Teacher-Student ratio is: 22.7

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

○ Gender-wise Detail: Male 1431, Female 279



- **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 + Top Up	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

- **Equity**

Sr. No.	Name of Programme	No. of Seats Per Year
1	Ph.D. in Clinical Psychology	0
2	MS Programme in Clinical Psychology + Top Up	15
3	MS in Speech & Language Pathology	0
4	Advanced Diploma in Clinical Psychology (Morning)	20
5	Advanced Diploma in Clinical Psychology (Replica)	15
6	BS (Hons.) in Clinical Psychology	23

- **Gender-wise Detail**

Sr. No.	Name of Programme	Male	Female	Total
1	Ph.D. in Clinical Psychology	0	14	14
2	MS Programme in Clinical Psychology + Top Up	0	29	29
3	MS in Speech & Language Pathology	1	28	29
4	Advanced Diploma in Clinical Psychology (Morning)	3	35	38
5	Advanced Diploma in Clinical Psychology (Replica)	-	15	15
6	BS (Hons.) in Clinical Psychology	9	105	115

- **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:** 1:15



DEPARTMENT OF BOTANY

○ **Basic enrolment**

Programme	Students
	2018-19
BS	94
M.Sc.	179
MS	90
M.Phil	80
Ph.D Regular / old Scheme	51
Total	494

○ **Gender-wise Detail**

All Programmes	Male	Female
Bachelor Morning 1 st Year (1 st – 2 nd Semester)	03	24
2 nd Year (3 rd – 4 th Semester)	01	24
3 rd Year (5 th – 6 th Semester)	00	21
4 th Year (7 th - 8 th Semester)	01	20
Master Morning 1 st Year (1 st – 2 nd Semester)	05	90
2 nd Year (3 rd - 4 th Semesters)	04	80
M. Phil 1 st Year (1 st – 2 nd Semester)	06	39
2 nd Year (3 rd - 4 th Semester)	06	29
MS 1 st Year (1 st – 2 nd Semester)	03	42
2 nd Year (3 rd – 4 th Semester)	03	42
PhD	10	41
Total:	42	452

○ **Employability**

The students of the Department of Botany, University of the Punjab, Lahore got the job in the various Public/Government and Private sectors. Many students got appointed in National and International research organizations.

○ **Faculty-student ratio**

Total Students	Faculty	Ratio
494	12	41.17

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ **Basic enrolment**

Programme	Students
BS 2015	27
BS 2016	35
BS 2017	33
BS 2018	44
M.Sc. 2017	35
M.Sc. 2018	32



M.Sc. 2019	32
M.S. 2017	15
M.S. 2018	31
M.S. 2019	26
M.Phil. 2017	15
M.Phil. 2018	22
M.Phil. 2019	22
Ph.D. Spring 2018	11
Ph.D. Fall 2018	07
Ph.D. Fall 2019	12

○ **Gender-wise Detail**

Year/Semester	Bachelor			Master			M.S/M.Phil			Ph.D.		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Session 2019				04	28	32	10	38	48	05	07	11
Session 2018	05	39	44	01	31	32	25	61	86	03	16	19
Session 2017	04	29	33	01	35	36	02	28	30	03	13	16
Session 2016	03	32	35							04	06	10
Session 2015	03	24	27							02	09	11
Older than 2015										09	16	27
Sub-Total	15	121	136	06	94	100	36	127	156	26	67	93
Total Students	482											

○ **Employability**

- The graduate and postgraduates from this department are absorbed in hospitals, diagnostic laboratories, pharmaceuticals, food industry, research organization, universities and education department.
- Our trained alumni provide technical assistance for different instrumentation to sole agents and suppliers
- Our Alumni has also set up their own diagnostic Laboratories in different cities
- Alumni has also hired in international universities and organizations.
- Many students got scholarships and positions in national and international research organizations.

○ **Faculty-student ratio**

Students	Faculty	Ratio
482	26	18.5:1

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ **Basic enrolment**

- BS Physical Education
Total 53 students admitted in BS Physical Education Program
Total 49 students admitted in BS Physical Education Replica



- M.Sc. Physical Education
 - Total 42 students enrolled in Morning
 - Total 39 Students enrolled in Evening
- **Gender-wise Detail**
 - M.Sc. Physical Education
 - Morning Male: 16 Female: 26
 - Evening Male: 27 Female: 12
 - BS Physical Education
 - Morning Male: 32 Female: 21
 - Replica Male: 40 Female: 09
- **Employability**

There is 90% passed out students selected as Lecturer, Tehsil Sports Officer and PET in education department and other working in leading private organizations.

DEPARTMENT OF ZOOLOGY

○ **Basic enrolment**

Regular Scheme (Morning)

	Bachelor			Master			M.Phil/ M.S.			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	5	51	56	-	-	-	-	-	-	-	-	-
Part-II	-	-	-	3	52	55	-	-	-	-	-	-	-	-	-
1 st semester	7	21	28	-	-	-	4	26	30	-	-	-	-	-	-
3 rd Semester	6	19	25	-	-	-	3	27	30	6	15	21	-	-	-
5 th Semester	5	18	23	-	-	-	-	-	-	5	8	13	-	-	-
7 th Semester	4	24	28	-	-	-	-	-	-	3	15	18	-	-	-
Total:	22	82	104	8	103	111	7	53	60	14	38	52	-	-	-

Self Supporting (Evening)

	Bachelor			Master			M.Phil/L.L.M			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	10	51	61	9	21	30				-	-	-
Part-II	-	-	-	11	53	64	7	52	59	-	-	-	-	-	-
Total:	-	-	-	21	104	125	16	73	89	-	-	-	-	-	-

○ **Faculty-student ratio**

Students : Faculty
20 : 1



INSTITUTE OF AGRICULTURAL SCIENCES

○ **Basic enrolment**

BS (Hons.)	604
M.Sc. (Hons.)	121
Ph.D.	101

○ **Gender-wise Detail**

BS (Hons.)	216 (Male)	388 (Female)
M.Sc. (Hons.)	62 (Male)	59 (Female)
Ph.D.	58 (Male)	43 (Female)

○ **Employability**

There is lot of chances for the students to search their jobs in the field of Agriculture and equal opportunities in all other related fields. Now our students are being accepted for all jobs in private and Government organizations.

○ **Faculty-student ratio**

BS (Hons.)	1:52
M.Sc. (Hons.)	1:11
Ph.D.	1:04

INSTITUTE OF APPLIED PSYCHOLOGY

○ **Basic Enrolment:**

During the academic session, the Institute has following basic enrolment:

Program	Open Merit Seats	Reserved Seats	Total Seats
BS (Morning)	32	08	40
BS (Replica)	36	02	38
M.Sc. (Morning)	42	08	50
M.Sc. (Replica)	48	02	50
M. Phil Applied Psychology	20	--	20
MS Health Psychology	10	--	20
Ph.D	10	--	10

○ **Equity**

The admission in all the programs is done on the basis of merit.

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

Class	Semester	Male	Female
BS (Morning)	Semester-I	04	44
	Semester-III	03	30
	Semester-V	02	31
	Semester-VII	03	33
BS (Replica)	Semester-I	03	37
	Semester-III	02	33
	Semester-V	02	34
	Semester-VII	04	31



M.Sc. Morning	Semester-I	08	40
	Semester-III	03	39
M.Sc. Replica	Semester-I	04	46
	Semester-III	03	45
M. Phil	Semester-I	01	19
	Semester-III	01	17
MS Health Psychology	Semester-I	03	07
	Semester-III	00	12
Ph. D	Research Work	02	08
	Research Work	02	09
	Research Work	02	05
	Research Work	02	04
	Research Work	01	03
	Research Work	01	03
	Research Work	02	07
Total Male 56			Total Female 537
Total:			593

○ **Employability**

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 working as academicians, researchers and as private practitioners.

○ **Faculty-Student ratio**

No. of Faculty	No. of Students	Ratio
Permanent Faculty =12 (Two Faculty Members on PhD Study Leave)	593	1:17
Visiting Faculty =22		
Total Faculty =34		

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

○ **Basic enrolment**

Name of Program	Enrolment
BS Biochemistry	37
BS Biotechnology	37
M. Sc. Biochemistry/ Biotechnology	33
MS Biochemistry	20
MS Biotechnology	19



○ **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	12	62	74	3	30	33	8	31	39	0	0	0
Part-II	3 rd	8	50	58	1	33	34	1	37	38	1	7	8
Part-III	5 th	14	57	71	0	0	0	0	0	0	0	0	0
Part-IV	7 th	3	38	41	0	0	0	0	0	0	0	0	0
PhD Spring 2015		0	0	0	0	0	0	0	0	0	2	6	8
PhD Fall 2015		0	0	0	0	0	0	0	0	0	1	4	5
PhD 2014		0	0	0	0	0	0	0	0	0	5	14	19
Total		37	207	244	4	33	67	9	68	77	9	31	40

*16 PhD students under process

○ **Employability**

On account of high-class training provided, our graduates are highly competitive with others in the job market. Excellent career opportunities therefore await the graduates qualifying from this Institute. Our alumni are working in ICI, LUMS, Punjab forensic agency, different research organizations like CEMB, PCSIR, Food industry, Fermentation industry, Drug testing laboratories, Hospitals, Diagnostic labs, Colleges through Punjab Public Service Commission, Pharmaceutical industry and a number of Foreign universities as researcher and faculty members. The graduates of the Institute are able to fill up the existing vacuum of well-trained manpower in the sectors of agriculture, health, industry and education

○ **Faculty-student ratio**

Class	Regular Faculty	Students	Teacher Students ratio
BS	24	244	1:10
M. Sc.	11	67	1:6
MS	12	77	1:6
PhD	13	40	1:3

SCHOOL OF BIOLOGICAL SCIENCES

○ **Basic enrolment:**

- Ph.D. Students = 15
- M.Phil. Students = 25

○ **Gender-wise Detail**

Programme	Male Students	Female Students	Total
Ph.D. Biological Science	13	62	75
M.Phil. Biological Science	7	45	52
Total	20	107	127



○ **Faculty-student ratio**

Sr #	Description	Numbers
1	Total faculty members	20
2	PhD faculty members	19
3	MPhil faculty members	01
4	Total PhD students in your Dept/ Institute	75
5	Total MS/ MPhil students in your Dept/ Institute	52
6	Student/Teacher ratio in PhD program	4:1 (Student/Teacher)
7	Student/Teacher ratio in MS/MPhil program	2:1 (Student/Teacher)

CENTRE FOR APPLIED MOLECULAR BIOLOGY

○ **Basic enrolment**

Programme	2018-19
M. Phil	Further intake stopped due to some confusion in data, which has been resolved and submitted again through proper channel to HEC
Ph.D	12

○ **Equity**

All admissions were offered purely on open merit

○ **Gender-wise Details**

Programme	2018-19	
	Male	Female
M. Phil	-	-
Ph.D	2	10

○ **Employability**

CAMB has passed out its second batch of 28 students of M.Phil session (2017-19). Out of these, some have been employed in various public and private sectors, one student got foreign Ph.D scholarship and remaining have been accommodated in Ph.D admissions locally.

○ **Faculty-student ratio:**

Programme	2018-19		
	Student	Teacher	Ratio
M. Phil	28	8	1:3.5
Ph.D	28	8	1:3.5



Faculty of Health Sciences

FACULTY OF HEALTH SCIENCES

○ **Basic enrolment**

Sr. No.	Admission/ Discipline name	Duration	Number of students
1	Doctor of Physiotherapy	DPT (5-year)	14
2	Medical Lab Technology	B.Sc. (Hons.) 4- year	9
3	Operation Theater Technology	B.Sc. (Hons.) 4- year	8
4	Medical Imaging Technology	B.Sc. (Hons.) 4- year	9
5	Cardiac Perfusion Technology	B.Sc. (Hons.) 4- year	8
6	Optometry	B.Sc. (Hons.) 4- year	9
7	Dental Technology	B.Sc. (Hons.) 4- year	6
8	Anesthesia Technology	B.Sc. (Hons.) 4- year	8
	Total Amount and Students		71

○ **Gender-wise Detail:**

Sr. No.	Admission/ Discipline name	Number of students	No. of Boys	No. of Girls
1	Medical Lab Technology	9	2	7
2	Medical Imaging Technology	9	0	9
3	Operation Theater Technology	8	4	4
4	Doctor of Physiotherapy	14	4	10
5	Cardiac Perfusion Technology	8	1	7
6	Optometry	9	3	6
7	Dental Technology	6	2	4
8	Anesthesia Technology	8	1	7
	Total	71	17	54

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

○ **Basic enrolment**

Total Enrolled Students = 212

○ **Gender-wise Detail**

Male = 90, Female = 122

○ **Faculty-student ratio**

1 Teacher = 30 Students

DEPARTMENT OF KASHMIR STUDIES

○ **Basic enrolment**

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



- 07 students are admitted in M.Phil Kashmiryat Part-I
- 04 students are admitted in Ph.D Kashmiryat Part-I
- Gender wise Detail

Programs	Session	Male	Female
M. A. Kashmiryat	2018-19	17	06
M.Phil Kashmiryat	2018-19	04	03
Ph.D Kashmiryat	2018-19	02	02

- **Employability:** Can adjust in different projects regarding Kashmir especially water resources.
- **Faculty Student Ratio**

Faculty of Kashmiryat	Student Ratio
04 Ph.D Teachers	34
01 Non Ph.D Teacher	

DEPARTMENT OF PERSIAN

- **Basic enrolment**
46 students are admitted in M.A Persian Part-I
20 students are admitted in M.Phil Persian (Fall Session)

- **Gender wise Detail**

Programs		Male	Female
M.A Persian Part-I	Session 2019-21	22	24
M.A Persian Part-II	Session 2018-20	26	20
M.Phil Persian Part-II	(2018-2020 Fall Session)	03	10
M.Phil Persian Part-I	(2019-2021 Fall Session)	08	12
Ph.D Persian 2015-2020		5	5
Ph.D Persian 2016-2021		5	1
Ph.D Persian 2017-2022		6	9
Ph.D Persian 2018-2023		6	4

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

Faculty of Persian	Student Ratio
08 Ph.D Teachers	

DEPARTMENT OF URDU

- **Basic enrolment**
 - 65 students are admitted in M.A Urdu
 - 30 students are admitted in M.Phil Urdu
 - 23 students are admitted in Ph.D Urdu



○ **Gender wise Detail**

Programs	Male	Female
M.A Urdu 2018-19	23	41
M.A Urdu 2019-20	33	36
M.Phil Urdu 2018-19	12	18
M.Phil Urdu 2019-20	23	11
Ph.D Urdu 2015-16	11	05
Ph.D Urdu 2017-21(Spring)	8	12
Ph.D Urdu 2017-22 (Fall)	8	9
Ph.D Urdu 2018-23	20	3

○ **Faculty Student Ratio**

Faculty of Urdu	Student Ratio
07 Ph.D Teachers	38.85

DEPARTMENT OF PUNJABI

○ **Basic enrolment**

42 students are admitted in M.A Punjabi Part-I, 05 students in M.Phil and 5 students in Ph.D

○ **Gender wise Detail**

Programs	Male	Female
M.A Punjabi P-I 2018-19	30	12
M.A Punjabi P-II 2018-19	13	12
M.Phil Punjabi P-I 2018-19	01	04
MPhil. Punjabi P-II 2018-19	08	05
Ph.D Punjabi 2018-19	03	02

○ **Faculty Student Ratio**

Faculty of Punjabi	Student of Punjabi
05 Ph.D Teachers	90
Ratio	1:18

CONFUCIUS INSTITUTE

Confucius Institute provides scholarship to Pakistani students to learn the Chinese language and culture in different universities of China. Confucius Institute have organized scholarship in China such as; We have sent 20 students for 2 weeks in cultural camp.



Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

○ Basic Enrollment

Pharm.D Morning Class

Year	Total
1st Prof	158
2nd Prof	150
3rd Prof	120
4th Prof	151
Final Prof	121
Sub-Total	700

Pharm.D Evening Class

Year	Total
1st Prof	128
2nd Prof	141
3rd Prof	142
4th Prof	172
Final Prof	130
Sub-Total (ii)	713

M.Phil Regular Morning

Year	Total
1st Semester	48
3 rd & 4 th Semester	60
Total	108

M.Phil Self Supporting

Year	Total
1st Semester	40
3 rd & 4 th Semester	58
Total	98

Ph.D

Year	Total
Ph.D 2018	13
Ph.D 2017	16
Ph.D 2015	32
Ph.D 2014	35
Ph.D 2013	16
Ph.D 2012	10
Total	122



○ **Gender-wise Detail**

Pharm.D Morning Class			
Year	M	F	Total
1st Prof	46	112	158
2nd Prof	52	98	150
3rd Prof	29	91	120
4th Prof	34	121	151
Final Prof	22	99	130
Sub-Total	183	521	700

Pharm.D Evening Class			
Year	M	F	Total
1st Prof	38	90	128
2nd Prof	44	97	141
3rd Prof	40	102	142
4th Prof	51	121	172
Final Prof	30	100	107
Sub-Total (ii)	203	510	713

M.Phil Regular Morning			
	M	F	Total
1 st Semester	14	34	48
3 rd & 4 th Semester	18	42	60
Total	32	76	108

M.Phil Self Supporting			
	M	F	Total
1st Semester	07	33	40
3 rd & 4 th Semester	14	44	58
Total	21	77	98

○ **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
31	700	22.58
Pharm.D Evening Class		
31	713	23



M.Phil Regular		
25	108	4.32
M.Phil Self Supporting		
25	98	3.92
Ph.D		
21	122	5.8

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 Reserved: 0
2	M.Phil. Solid State Physics (Replica)	Total: 200 Merit: 200 Reserved: 0
3	M.Phil. Microelectronic Engineering & Semiconductor Physics	Total: 17 Merit: 17 Reserved: 0
4	MS. Nanotechnology	Total: 13 Merit: 13 Reserved: 0
5	Ph.D.	Total: 5 Merit: 5 Reserved: 0

○ Gender-wise Detail

Sr. No.	Session	Programme	Gender Wise		Total
			Male	Female	
1	2018-2020	M.Phil.	22	8	30
	2019-2021	Solid State Physics	16	10	26
2	2018-2020	M.Phil.	89	59	148
	2019-2021	Solid State Physics (Replica)	151	49	200
3	2018-2020	M.Phil.	10	7	17
	2019-2021	Microelectronic Engineering & Semiconductor Physics	12	4	16
4	2018-2020	MS. Nanotechnology	7	6	13
	2019-2021		6	7	13
	2018-2023	Ph.D.	-	6	6
	2019-2024		5	5	10



○ **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.	48 Teachers	10 students per teacher

CENTRE FOR HIGH ENERGY PHYSICS

○ **Basic enrollment**

Report: Following students were admitted:

PhD: 01, *MPhil*: 25, *MSc*: 85, *BS*: 83.

○ **Gender-wise detail**

PhD: 00M, 01F, *MPhil*: 16M, 09F, *MSc*: 48M, 37F, *BS*: 42M, 41F

○ **Faculty-student ratio:**

Report: Almost 22.5 students per teacher: Total Faculty: 24 (visiting: 7 and regular/contractual: 17, for 540 students).

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

○ **Basic Enrolment**

▪ M.Sc. (Morning)	37
▪ M.Phil. (Morning)	30
▪ Ph. D.	19

○ **Gender -wise Detail**

Program	Male	Female
M.Sc. (Morning)	18	18
M.Phil. (Morning)	18	12
Ph. D.	16	3
Total	53	33
G. Total	86	

○ **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
6	86	1:14

CENTER FOR UNDERGRADUATE STUDIES

○ **Basic Enrollment (2018-19)***

Discipline	Students
BS (4 Years) Botany	17
BS (4 Years) Chemistry	46
BS (4 Years) Zoology	12

○ **Gender-wise details**

Discipline	Students (Currently 2 nd Semester)	Students (Currently 4 th Semester)
BS (4 Years) Botany	17	19
BS (4 Years) Chemistry	46	61
BS (4 Years) Zoology	12	26
Total no. of Students	181	
Total Faculty	10	

○ **Faculty student Ratio**

Faculty: Student ratio is 20:1.

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 2018-19 is as detailed below:

Sr. No.	Degree Program	Total Enrollment
1.	BS Environmental Sciences (Morning & Evening)	301
2.	M.Sc. Applied Hydrology (Morning)	34
3.	M.Sc. Tourism & Hospitality Management (Morning & Evening)	109
4.	M.Sc. Environmental Sciences (Evening)	90



5.	MS / M.Phil. Environmental Sciences	114
6.	PhD Environmental Sciences	48
7.	M.Phil. Applied Hydrology	30
8.	PhD Applied Hydrology	24
9.	M.Phil. Geomatics (Morning & Self-Supporting) Program	66
10.	M.Phil. Occupational Health and Safety (Morning & Self-Supporting)	45
11.	PhD Geomatics	20
Total:		881

○ **Gender-wise Detail (2018-2019)**

Program / Discipline		No. of students	
Class/Discipline/Program		Male	Female
BS Morning:	1 st Semester	08	26
	3 rd Semester	07	26
	5 th Semester	08	21
	7 th Semester	07	25
BS Evening:	1 st Semester	08	37
	3 rd Semester	09	40
	5 th Semester	09	36
	7 th Semester	02	32
MSc Applied Hydrology:	1 st Semester	04	12
	3 rd Semester	02	16
MSc Tourism & Hospitality Management (Morning): 1 st Semester		14	10
3 rd Semester		14	09
MSc Tourism & Hospitality Management (Evening): 1 st Semester		26	04
3 rd Semester		25	07
M.Sc. Environmental Sciences (Evening): 1 st Semester		08	40
3 rd Semester		06	36
MS Environmental Sciences (Morning): 1 st Semester		08	32
3 rd Semester		08	31
M.Phil. Environmental Sciences (Evening): 1 st Semester		11	24
3 rd Semester		00	00
Ph.D. Environmental Science	1 st Semester	03	07
	3 rd , 5 th , 7 th , 9 th , 11 th , 13 th Semester	05	33
MPhil Applied Hydrology:	1 st Semester	07	08
	3 rd Semester	04	11
Ph.D. Applied Hydrology	1 st Semester	00	00
	3 rd , 5 th , 7 th , 9 th , 11 th , 13 th Semester	08	16
MPhil Geomatics (Morning):	1st Semester	19	06
	3 rd Semester	16	05
MPhil Geomatics (Evening):	1st Semester	09	11
	3 rd Semester	00	00



Program / Discipline		No. of students	
MPhil OHS (Morning)	1st Semester	18	08
MPhil OHS (Evening)	1st Semester	16	03
PhD Geomatics	1st Semester	04	01
	3rd, 5 th , 7 th Semesters	11	04

○ **Employability**

1. Environmental Protection Department (EPD)
2. WAPDA, Pakistan
3. PCRWR
4. SNGPL, Pakistan
5. Lahore Waste Management Company
6. Health & Safety Sector of Pakistan & UAE
7. WAPDA
8. Forest Department
9. WWF Pakistan
10. Research Organizations
11. Universities having Environmental Sciences Department
12. Hotels/Resorts in Pakistan & UAE
13. Industrial Organization

○ **Faculty-Student Ratio**

Presently College of Earth and Environmental Sciences has as strength of **482** students in regular / Morning graduate & postgraduate degree programs and has **24** budgetary posts with total available strength of **10** permanent faculty members

Accordingly Teacher-Student ratio is: 1:48

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **Basic enrolment:** 1483

○ **Gender-wise Detail**

▪ Bachelor Degree

Program Bachelor		1 st Year		2 nd Year		3 rd Year		4 th Year	
		M	F	M	F	M	F	M	F
BS Statistics	Morning	25	40	5	51	7	44	5	39
	Replica	20	31	27	30	11	30	14	39
	Evening	-	-	-	-	-	-	-	-
BS Operation Research	Morning	17	34	19	28	-	-	-	-
	Replica	25	21	24	20	-	-	-	-
	Evening	-	-	-	-	-	-	-	-



BS Actuarial Science	Morning	21	25	21	32	-	-	-	-
	Replica	27	19	24	16	-	-	-	-
	Evening	-	-	-	-	-	-	-	-
Total									791

▪ **Master Degree**

	1 st Year		2 nd Year	
	M	F	M	F
MORNING				
M.Sc. Statistics	11	51	6	55
M.Sc. Actuarial Science	14	33	9	36
REPLICA				
M.Sc. Statistics	11	35	18	45
M.Sc. Actuarial Science	2	3	1	1
EVENING				
M.Sc. Biostatistics	-	-	3	14
MIOM	20	16	14	20
MBSM (2 sections)	33	48	53	36
Total				588

▪ **M.Phil Degree**

	1 st Year		2 nd Year	
	M	F	M	F
Regular	8	32	5	27
Total	72			

▪ **Ph.D. Degree**

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year		6 th Year		7 th Year	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Regular	3	3	1	2	3	5	3	0	1	1	2	3	3	2

○ **Employability**

About 50-60 percent of passed out graduate are able to find the jobs in market. **Industrial Linkages Committee** is facilitating the employer and students.

○ **Faculty-student ratio**

No. of Faculty	No. of Students	Ratio
12 + 58 = 70 (Permanent / Contract & Visiting)	1483	1:21



DEPARTMENT OF GEOGRAPHY

- **Basic enrolment:** 260

- **Gender-wise Detail**

Sr. No.	Programme	Male	Female	Total
1.	BS	62	75	137
2.	M.Sc.	22	41	63
3.	M.Phil	15	26	41
4.	Ph.D.	4	15	19

- **Employability**

The graduates of this department are being accommodated in various government as well as non- government organizations like education department, Census of Pakistan, Survey of Pakistan, WWF, research organizations and can perform well in PCPSC, FCPS, Urban Unit, competitive examination held by the federal and provincial governments.

- **Faculty-student ratio**

No. of Faculty Member	No of Students	Ratio
9	260	28.88

DEPARTMENT OF MATHEMATICS

- **Basic enrolment:** 456

- **Gender-wise Detail**

Bachelor Morning 1 st Year (1 st Semester)	Male	Female
2 nd Year (3 rd Semester)	11	25
3 rd Year (5 th Semester)	11	16
4 th Year (7 th Semester)	07	23
Master Morning [Includes executive courses as well] 16 years of Education:		
1 st Year	03	25
2 nd Year (3 rd Semester)	27	43
Master Evening 1 st Year	12	52
2 nd Year	45	36
M. Phil 1 st Year (2 nd Semester)	0	0
2 nd Year (3 rd Semester)	27	22
PhD 1 st Year (1 st Semester)	14	28
2 nd Year (3 rd Semester)	01	01
2 nd Year (4 th Semester)	0	04
3 rd Year (5 th Semester)	02	02
4 th Year (7 th Semester)	0	04
4 th Year (8 th Semester)	05	07
Already enrolled	02	01
	167	289

- **Employability**

Sixteen (18) Teaching Faculty members.

Twenty one (25) Non-teaching staff.



○ **Faculty-student ratio**

Faculty	Students
18	456

DEPARTMENT OF PHYSICS

○ **Gender-wise Detail**

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	13	19	23	17	17	22	10	28

▪ Master Degree

	1 st Year		2 nd Year	
	M	F	M	F
MORNING	12	18	17	37

▪ M.Phil Degree

	1 st Year		2 nd Year	
	M	F	M	F
Regular	11	13	10	15
Replica Afternoon Programme	-	-	13	05

▪ 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	-	-	-	01	-	02	04	03	02	01

○ **Employability**

On average, 70% of the passing-out Physics graduates successfully find jobs after completing their degrees in organizations such as in Pakistan Atomic Energy Commission (PAEC), SUPARCO, Punjab Government Education Department, Public Sector Universities, PCSIR and other Public and Private sector organizations/Departments/Institutes.

○ **Faculty-student ratio**

No. of Faculty	No. of Students	Ratio
19 (Permanent & Contract)	295	15.52
19+10=29 (Permanent, Contract & Visiting)	295	10.17

DEPARTMENT OF SPACE SCIENCE

○ **Basic enrolment**

- BS(Morning) 26
- BS (Replica) 42
- M.Sc. 21
- M.Phil. (Morning) 15



○ **Gender-wise Detail**

▪ Bachelor Degree

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	15	11	13	15	12	18	13	15
Replica	31	11	26	14	26	13		

▪ Master Degree

	1 st Year		2 nd Year	
	M	F	M	F
Morning	14	07	07	14

▪ M.Phil. Degree

	1 st Year		2 nd Year	
	M	F	M	F
Morning	08	07	07	10

○ **Employability**

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

○ **Faculty-student ratio**

No. of Faculty	No. of Students	Ratio
12 (Permanent) 01 on study leave	307	1:23
9+10 = 19 (Permanent / visiting)	307	1:14

INSTITUTE OF CHEMISTRY

○ **Basic enrolment: 284**

○ **Gender-wise Detail**

No of students	Male	Female
	55	229

○ **Table for teacher to students' ratio**

No of Teacher	No of Students
27	284

INSTITUTE OF GEOLOGY

○ **Basic Enrollment**

Sr. No	Name of Program	No. of Students Enrolled in 2018-19		Total
		Male	Female	
1	B.S. Applied Geology (Morning)	29	18	47
2	B.S. Applied Geology (Replica)	27	11	38
3	M.Phil Applied Geology	30	3	33
4	PhD Applied Geology	8	0	8
Total		107	27	126



○ **Gender-wise Detail**

Sr. No	Name of Program	Total Number of Students		
		Male	Female	Total
1	B.S. Applied Geology (Morning)	138	54	192
2	B.S. Applied Geology (Replica)	148	35	183
3	M.Phil Applied Geology (Regular)	61	6	67
4	M.Phil Applied Geology (Under Old Scheme)	4	0	4
5	PhD Applied Geology (Regular)	20	4	24
6	PhD Applied Geology (Under Old Scheme)	26	0	26
TOTAL:		397	99	496

○ **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:** 31:01

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Basic enrolment:** 2767 Total Enrolment of all programs
- **Gender-wise Detail:** Students Enrollment (Morning)

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Fall 2019	160	160	320	18	32	50	44	23	67	4		4
Spring 2019	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2018	153	150	303	23	32	55	57	34	91	3	2	5
Spring 2018	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2017	248	87	335	--	--	--	--	--	--	6	4	10
Spring 2017	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2016	185	95	280	--	--	--	--	--	--	4	3	7
Spring 2016	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2015	--	--	--	--	--	--	--	--	--	3	2	5
Sub-Total (i)	746	492	1238	41	64	105	101	57	158	20	11	31



▪ Self-supporting Program (Afternoon)

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Fall 2019	131	131	262	29	17	46	--	--	--	--	--	--
Spring 2019	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2018	126	125	251	43	43	86	--	--	--	--	--	--
Spring 2018	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2017	258	74	332	--	--	--	--	--	--	--	--	--
Spring 2017	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2016	197	70	267	--	--	--	--	--	--	--	--	--
Spring 2016	--	--	--	--	--	--	--	--	--	--	--	--
Sub-Total (ii)	712	400	1112	72	60	132	--	--	--	--	--	--

▪ Total Students Enrolment (Morning & Afternoon)

	Bachelor			Master			M.Phil			Ph.D		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Total (i)	746	492	1238	41	64	105	101	57	158	13	9	22
Total (ii)	712	400	1112	72	60	132	--	--	0	--	--	--
GRAND TOTAL	1458	892	2350	113	124	237	101	57	158	13	9	22

○ **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	2350	37.3
M.Sc.	237	3:7
M. Phil/PhD	227	12:1

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, 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:** 4074

○ **Gender-wise detail:** Male: 2246, Female: 1828

	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
BBA (Hons) B & F	101	105	67	39
BBA (Hons)	247	255	268	187
MBA (Hons) 1.5 Year	36	84	-	-
B.Com. (Hons)	226	194	290	127
M.Com. 3.5 Year	60	131	40	55
MA English	24	84	8	18
BS. IT	129	135	196	93
BS. CS	56	40	84	22
M.Sc. IT	27	65	32	64
LL.B 3 Year	90	27	91	20
LL.B 5 Year	136	71	38	12
Total	1132	1191	1114	637
Grand Total (all)	4074			

○ **Employability**

All the programmes at the Gujranwala Campus are professional in nature and most of the passed out students (male and female) are working at executive positions in certain national and multinational organizations.

○ **Faculty Student Ratio:** One teacher for 28 students

Punjab University Jhelum Campus

○ **Basic enrollment:** 399 (Male) 355(A) = 754

○ **Gender-wise detail:** Male 208 (M) 215 (A)

Male 191 (M) 135 (A)

Programmer	Male (Morning)	Female (Morning)	Male (Afternoon)	Female (Afternoon)
Computer Science BS(CS) 4 Years Program (8 semesters)	145	123	200	70



BBA (Hons) 4 Years Program (8 semesters) Business Administration	158	108	189	76
Commerce B.Com (Hons) 4 years program (8 semesters)	143	122	200	53
BS Management 4 Years Program (8 semesters)	32	68	48	45
LL.B 5 Year semester system Law 3 Year Annual Program	175	105	39	28
Total				2127

- **Employability**
Currently, Punjab University Jhelum Campus students are working in different Companies
OPPO mobiles Company, Banks and others
- **Faculty Student Ratio:** One teacher for 212.7 Almost students (8 Teachers/1179 Students)

6

Chapter

UNIVERSITY BUILDING ECONOMIES

- University-Industry Linkage/Collaboration
- New Initiatives
- Technology Incubation Centre
- Patents
- Internship and Placement Office
- Student Counseling and Career Guidance



**CHAPTER****6****University Building Economies****Faculty of Arts & Humanities****COLLEGE OF ART AND DESIGN**○ **Internship and Placement Office**

Internship is offered as requirement of the degree of BFA and MFA in a number of organizations both in Public and Private Sector such as: Lahore Zoo, Hospitals, Newspapers, Government Sector, NGOs

The Graduates of College of Art & Design are employed in Public and Private Sector including Publication Houses, Advertising Agencies, Fashion Houses, Print and Electronic Media, Journalism, Interior Design Houses, Freelance Design Consultancies, Photography Studios, Art Criticism, Museum Related Fields such as Curatorship of Galleries, Set and Exhibition Design and Display, Book Illustration and Publishing, Environmental Design, Signage Design, Studio Workshop etc.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **University- Industry Linkages/ Collaboration:** St. Andrews University, Scotland.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES○ **University-Industry Linkages/Collaboration (for the year 2018-19)**

The department is involved to play its more effective role in the promotion of academic and research collaboration with other universities, departments and other institutions of world. The department has established linkages with scholars and academicians of national and international repute.

○ **Internship and Placement Office**

The department has been involved in the University's student career counseling and guidance center.

DEPARTMENT OF FRENCH○ **University – industry linkage/ collaboration:**

- Services offered under Research Wing of the French Department

Translation Desk – linking Academia with Industry:

The services offered under the Research Wing's Translation Desk of the French

Department continued facilitating general public and practically providing direct linkage of French Studies with Contemporary Market, Industry and Society.



Research Projects designed to link French Studies with Market & Industry:

Final term thesis work and Research projects conducted at the French Department are designed especially with a view to link the domain of French Studies with the contemporary needs of Market and Industry. In a dual approach, the graduating students are also groomed to start their professional career and offer their services in a variety of areas, ranging from Education to Management, Business and Corporate Sector, and from Mass Communication to Social, Cultural and Anthropological Studies.

○ **New Initiatives**

French Department's Faculty Group was fully active on Social Media to ensure prompt coordination among Faculty and for instant sharing of office memos and notifications, reminders, class schedules, exam date sheet, etc.

○ **Student counseling and career guidance**

- As a continued initiative from previous years, the dedicated faculty of the Department continued providing guidance and solutions to solve students' problems related to everyday life issues. Ms Sabrina A. Rassool helped as Student Advisor for BS & MA French programmes.
- Dr Saleha Nazeer and Ms Sabrina A. Rassool jointly conducted sessions on Career Counselling and Professional Grooming of the students.
- Parent Teacher meetings were also organized during the academic semesters to share and discuss the academic performance and intellectual progress of the students with their parents and to apprise them about their children's curricular and extra-curricular activities.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

○ **University-Industry Linkage / Collaboration**

Continuously in contact with the public and private sector demands. Awareness raising seminars, conference and conducting research on the women & gender current issues on women & gender.

○ **Technology Incubation Centre**

30 computers having 24 hours internet facility

○ **Internship and Placement Office**

Internships: Students internship at women and gender development GOs and NGOs is an in-built component of the degree programme. Each year about 90 students are sent for two months internship in around 30 NGOs/GOs working for women/gender development.



INSTITUTE OF COMMUNICATION STUDIES

○ **Internship and placement Office**

Institute of Communication Studies offer an extensive program for internship more than 200 students gets training as an internee in the leading media and corporate organization of Pakistan.

○ **Students Counseling and Career Guidance**

The function of students counseling and career guidance is performed by the coordinator of the programs. Owing to their proper guidance students get good jobs in field. Mr. Fahad Mahmood, Assistant Professor is a focal person.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **University Industry Linkage**

MoU has been signed between University of the Punjab and Pakistan Poverty Alleviation Fund on the initiative of Institute of Social & Cultural Studies. ISCS assumes the role of representative of the university and manages the activities regarding the signed MoU.

○ **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 450 students were placed on internships in different national (Public and Private) as well as international organizations concerning their relevant field.

○ **Student Counseling and Career Guidance**

There is a regular activity of providing counseling to students by the permanent faculty at the ISCS. Special seminars have also been organized, inviting experts from the field for providing career guidance to students.

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

○ **University – Industry Linkage:**

We have strong College – Industry Linkages. We have collaborated with Insurance Association of Pakistan, Banks, Stock Exchange, Financial Institutions, Social Service Organization /and various Professional Training Institutions.

○ **New Initiatives**

- We have taken new initiative in form of MOUs with some Industrial Groups, Banks, Insurance Companies and Corporate Sectors for seeking their assistance in improving our educational system.

■



- **Internship and Placement Office:**

We have institutionalized arrangements for internship and Placement of our graduates. We facilitate participants regarding their Internships in relevant field of study.

- **Student Counseling and Career Guidance:**

Continuous students Counseling and Career Guidance is being provided by various faculty members of our College. This has proved to be very helpful. All faculty members have displayed Students' counseling hours on notice board and their offices doors are open to facilitate the students for solution to academic issues.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **New Initiatives**

Initiated research collaboration process with foreign institutes

- **Student Counseling and Career Guidance**

In order to ensure close connection with student community and to guide them in their educational and professional goals, Department of Economics usually engage faculty member as student advisor who is responsible to serve the following key duties.

- To assist students in course selection process
- To identify students strengths and weaknesses
- To manage and arrange curricular, extra-curricular and recreational activities for students
- To display an interest in development of students
- To provide career guidance

DEPARTMENT OF INFORMATION MANAGEMENT

- **Internship and Placement Office**

Students from Master program are placed for eight weeks in technological advanced libraries in public and private sectors to get hands on experience of their professional functions and activities.

- **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

- **At national level:** We have linkages with major national and multinational organizations in order to get our graduates placed in professional organizations and create internship and placement opportunities for students enrolled in different programs. In addition, IAS or its faculty have had professional engagement or 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) at different points in time.
- **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
<ul style="list-style-type: none"> ▪ Merit Scholarship ▪ Needy Scholarship ▪ HEC Need Based Scholarship ▪ PEEF Scholarship ▪ Somitomo Scholarship ▪ Friends Education Fund ▪ Regional and District Scholarships ▪ Prof. Dr. Masood Aslam Scholarship 	<ul style="list-style-type: none"> ▪ Merit Scholarship ▪ Student Welfare Fund ▪ HEC Need based Scholarship ▪ PEEF Scholarship ▪ Dr. Afzal Education Trust

- Gold Medal: IAS honors first position holders(s) of BS (Hons.) Management program with Prof. Dr. A.R. Jafri Gold Medal. Besides this, Prof. Dr. Muhammad Afzal Gold Medal is given to the position holder(s) of Master of Human Resource Management program.
- **Sports:** IAS also focuses upon the physical development of the students. It arranges annual Sports Gala and encourages students to participate in sports.

Total Scholarships awarded in Year 2018-19

- Total Merit Scholarship Allocated = 42
- Total Needy Scholarship Allocated = 42
- PEEF Scholarship Allocated = 3
- HEC Scholarship Allocated = 6
- Financial Assistance for Self-support Students = 36

INSTITUTE OF BUSINESS ADMINISTRATION

○ **University-Industry Linkage / Collaboration**

- IBA arranged a Study/industrial Tour to Century Paper and Board Mills Ltd, 25th September, 2019.
- IBA invited Mr. Sabir Imtiaz, General Manager, Century Papers & Board Mills Limited to deliver a lecture on “Supply Chain Management” on November 21, 2019.

Business Incubation Centre (BIC)

Business Incubation is a business support process that accelerates the successful development of start-up and fledgling companies by providing entrepreneurs with an array of targeted resources and services. The Business Incubation Center (BIC) operated under ORIC was successfully transferred to Institute of Business Administration (IBA) on March 29, 2016. In this regard, a grant agreement between Higher Education Commission (HEC), Islamabad and University of the Punjab has been signed on 23-05-2018 for establishment of BIC at University of the Punjab. HEC has released first installment of grant amounting to Rs. 6,630,000/-. Establishment of BIC will forge a strong collaboration between the university and industry to find solutions of technological problems locally.

**Facilities for Incubatees:**

The following facilities are provided to incubatees at free of cost.

- Well-furnished offices
- Internet access
- Computer systems
- Access to library
- Access to I.T Lab
- Air conditions

Under BIC consideration, IBA students participated and won different Business Plan Competitions and Entrepreneuria 2019 listed below:

- IBA participated in UCP Entrepreneuria held on 12 April, 2019 and won best presentation award.
- IBA participated in Bargainious (Finance Competition) of UCP Entrepreneuria held on 12 April, 2019 and got runner up prize.
- IBA participated in Ad-Mad competition in UCP Entrepreneurship Gala 2019 and won prize of Rs. 25000/-
- IBA participated in Jump Start (Startup Competition) in UCP (University of Central Punjab) Entrepreneurship Gala 2019 held on 12 April 2019 and won 1st post and prize of Rs. 25000/-
- IBA participated in all Pakistan Marketing Competition organized by LB-IETS Society, University of Lahore on March 29, 2019 and won got first place in all Pakistan Marketing Competition.
- IBA participated in competition of “battle of brands” organized by Kinnaird College for Women, Lahore on 15th November, 2019.
- IBA participated in competition of “Pak Mega Leather Shoe 2019” held on January 27-29, 2019 at Expocentre, Lahore.
- IBA participated in competition of “Pakistan start-up Cup by Tie Islamabad” at PC Hotel, Islamabad on 15 January 2019.
- IBA participated in competition of “Superior Expo, 2019” held 20 August 2019 at Expocentre, Lahore.

External Linkages & Placement Resource Centre-Iba***Our Direction Your Destination***

Institute of Business Administration External Linkages & Placement Resource Centre (IBA-ELPRC) is committed to help students to define a unique career and life vision, and then to connect them in multidimensional, personalized ways to the resources, people, organizations and opportunities that will enable them to make their visions a reality.



International Linkages

IBA is linked nationally with several institutions in respect of academics and research. Over the years, we are expecting to grow further in terms of relationships with national and multi-national organizations.

External Linkages

To build a successful partnership with public and private sector organizations, IBA-ELPRC has provided excellent opportunities for students. By developing working relationships with other institutions, expands its resource base and helps in meeting some of new demands.

Objectives

- To provide an exciting learning experience to enhance the brand image of IBA.
- To develop an educational package so that it would include a broader perspective of current youth developmental efforts.
- To develop a positive relationship with national and multi-national organizations.
- Educational focus of the institute is to provide its students hands on exploration and personal grooming.
- IBA-ELPRC helps to provide access to the industrial technology, opportunities to compete in business plan competitions.
- IBA-ELPRC also provides facilities that are perfect for action-oriented focus.

Institute of Business Administration, External Linkages and Placement Resource Centre

- In today's modern and fast world, IBA-ELPRC have become a medium of communication among the student body and national/multi-national organizations, also focuses on building communities of students.
- IBA-ELPRC have themes of providing jobs, student to company interaction and creation of shared and collaborative content, also acts as a good way to make connections between students and industries with similar interests and goals.
- Facilitates open communication, leading to enhanced job information discovery and delivery, build new connection, awareness and company response, and provides an opportunity to widen business contacts.
- IBA-ELPRC facilitates students to get suitable jobs and internships.
- On Campus Recruitment Drives and Awareness sessions by IBA-ELPRC, facilitates students to get suitable jobs and industry knowledge.

Job Placement Record, 2019

- We also facilitate our students to get suitable jobs in distinguished companies.
- Total 81 students of BBA and MBA got jobs in National and Multinational companies through IBA-ELPRC listed below:

Meezan Bank, Hotel One, Allied Bank, Style Textile, Pearl Continental Hotel (PC), Atlas Honda, State Bank of Pakistan, Sapphire finishing Mills Ltd, Duniya News, Vivo Phones



Haier Pakistan, Porsche Auto Company, Nishat Chunian, National spices, Ultra Pack Pvt Ltd, Kohinoor Mills Ltd, FY Industries Pvt Ltd, UBL, Bank Alfalah, Abacus ELS, Mindbridge, Packages Limited, Kohinoor Maple Leaf Group, Dollar East, Oppo Mobiles, Stylo, Analytics Crystal, Bulleh Shah Packages, Fatima Fertilizers, CCL Pharmaceuticals

Internship Record, 2019

Every year our students from discipline of Marketing, Finance and Human Resource Management are being sent for internship to expose them to corporate environment at various national and multinational companies for 6-8 weeks under supervision and guidance of respective company personnel.

Total 106 students got internship through Placement Office.

- 61 students from BBA Morning (2017-21) & 45 students from BBA Afternoon (2017-21)
- Following are some of the successful and distinguished companies in which students were sent to do internship.

State Bank of Pakistan, Bank Alfalah, PEL, Atlas Honda, Meezan Bank, Sapphire, Nestle, PTCL, NishatChunian Group, Brighto Paints, Obrotu Pvt Ltd, Packages, Mitchells, Shaukat Khanum, Memorial Hospital, Albaraka Bank, Bank of Punjab, Hotel One, MCB, Haier Pakistan, Lahore Development Authority (LDA), ELAN, Askari Bank, Plan9, Porsche, Sui Northern Gas Pipelines, Soneri Bank

On Campus Recruitment Sessions

International Scholarships Awareness Session, ABN Overseas Education Pvt Ltd

- International Scholarships Awareness Session held on January 17, 2019. Regarding this, they visited IBA and met with interested students, which was a great opportunity for the students.
- ABN is one of the most specialized overseas education consultants in Pakistan, providing life stunning opportunities for international studies by connecting its students with the top ranking educational institutions around the globe with study abroad programs.

○ Faysal Bank Management Trainee Program, 2019 (Campus Drive)

Faysal Bank Management Trainee Program, held on January 16 2019. With this, Faysal Bank Limited visited IBA for Campus Drive and met with interested students.

Session for CV Writing

Curriculum Vitae (CV) Session held on January 29, 2019. Regarding this, they came to IBA and met with interested final year students, which was a great opportunity for the students to sell themselves with the best writing tool for entering in the best industries.

Introduction to Entrepreneurship

Introduction to Entrepreneurship by Innovation District 92 gives students a colossal platform for assimilating basic concepts of entrepreneurship via event which was held on January 31, 2019. The speakers were as follows:



- Nabeel A. Qadeer (Co-founder Innovation District 92)
- Syeda Maria Naseer (Program Manager Innovation District 92)
- Zain Tanveer (Business Development Manager Innovation District 92)

IELTS Mock Test, 2019

IELTS Mock Test was conducted on March 14, 2019 by ABN Overseas Pvt Ltd.

On Campus Recruitment Drive, 2019 by Kohinoor Mills

Recruitment drive by Kohinoor Mills conducted on March 21, 2019 IBA for Management Trainee Officer Program.

Institute of Business Administration (IBA) organized Job Fair on April 11, 2019

IBA is aiming to provide with an opportunity to market the organizations and find the best employment match in terms of all job types from a pool of potential competitive candidates. Organizations from all over the country participated in this event provided an opportunity to create a corporate network and to conduct on-spot interviews, collect resumes and share information regarding recruitment policies and company profiles. 39 companies participated in this fair, first ever achievement in the history of IBA.

On Campus Information Session, 2019 AIESEC

- AIESEC Lahore intended to host an information session regarding recruitment in IBA on September 16, 2019.
- AIESEC is the World's Largest Youth run organization and the largest partner of United Nations in terms of Cross cultural exchanges. This turned out to be a successful session in which not only was the audience got aware of this concept but also the consultants received feedback to understand student's interests and concerns.

Management Trainee Officer Induction Program at Haier Pakistan, 2019

Management trainee Officer Induction Program held on September 19, 2019. Regarding this, they came IBA, met with interested students and written test was conducted, which was a great opportunity for the students.

Introduction to Migration Resource Centre for collaborating with IBA, University of the Punjab

The MRCs help people make informed decisions when considering to migrate. The MRCs provide four different types of services: counselling, referrals, pre-departure orientation and outreach to outgoing, intending and potential migrants. Introduction to MRC held on October 03, 2019 in IBA.

Awareness Session of prevailing practicing for career pathways in the industry by Professional Engineering Services

T'SEP program designed for the professionals to nurture their knowledge in accordance to the practices of the industry. IBA arranged a symposium for the awareness of the prevailing



norms of Industry that would be valued for the students who are entering to the market for their job placement & further development on October 09, 2019.

Bridging the Gaps Lecture Series (Motivation)

Mr. Qasim Ali Shah, An inspirational Speaker, Leader and Success Coach delivered a lecture on topic “Motivation” at IBA, University of the Punjab on November 13, 2019.

NSPIRE 7th Cycle Incubation Outreach Session

NSPIRE is the 1st Incubator launched by Pakistan's largest Tech Company itself NETSOL Technologies. 7th cycle Incubation Outreach Session in IBA organized on November 19, 2019. Students got amazing opportunity for startups from this session.

○ **On Campus session “Supply Chain Management” by G.M Century Paper and Board Mills**

Century Paper & Board Mills Limited (CPBM) is part of Lakson Group of Companies Pakistan. The Lakson Group of Companies is one the leading groups of the country with diversified interests in industries such as Paper & Paperboard, Printing & Packaging. On campus session (Supply Chain Management) conducted at IBA on November 21, 2019. Mr. Sabir Imtiaz (General Manager) & Mr. Ghulam Dastagir (Deputy Manager Materials Management) of Century Paper and Board Mills lead the session.

On Campus students interaction session by Allied Bank

Allied Bank visited IBA on November 25, 2019 for starting a business relationship. Purpose for visiting was to provide banking facility to young generation/low income persons by increasing their saving habits.

On Campus student interaction session by Master Beverages

Master Beverages & Foods limited focuses on providing quality products to their consumers made at a state-of-the-art facility, using cutting edge technology while maintaining high levels of hygiene. Company visited IBA on December 18, 2019 for displaying and sharing information regarding their product. They also collect information from students for enhancing quality of product.

○ **Student Counseling and Career Guidance**

The Student Advisor is all the time available for student counseling at IBA.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

○ **University-Industry Linkage**

The Institute is actively working on developing and strengthening the relationship between academia and industry since its inauguration. We have established an Industrial Linkages Cell at IBIT.

○ **New Initiatives**

- IBIT has taken many steps to enhance and strengthen the Academia-Industry Liaison. A few among many others are as follow



- Many organizations are invited and facilitated to conduct test and interviews of graduating batch for their ongoing hiring.
- Delegations from diversified organizations including Banks, Software Houses, multinational organizations and private sectors have been invited to reinforce the academia-industry liaison.
- More than 5 Seminars have been conducted at IBIT to motivate students to be the future Entrepreneurs culture by the young and senior entrepreneurs.
- To Facilitate the industry, students' directories have be uploaded at IBIT website.
- **Internship and Placement Office**
 - MoU have been signed with software houses and leading private sector companies.
 - In the summer, 173 students of BBIT (Hons.) have done internships in diversified industries and organizations throughout Pakistan
- **Student Counseling & Career Guidance**
IBIT has 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

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- Linkage with LABARD
- **Student Counseling and Career Guidance**
All faculty member are providing counseling and guidance services to the students.

Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

- **University-Industry Linkage/Collaboration:** Providing testing facilities to different industries in Pakistan. Testing facilities availed by the industries include the followings;
 - Thermogravimetric analyzer
 - Carbon Sulphur analyzer
 - Elemental Analyzer
 - Bomb Calorimeter (for measurement of heating value)
 - Fourier Transform Infrared Spectroscopy
- **Internship and Placement Office:** Following students performed 6 weeks internship at Sahiwal Coal Power Plant.



Sr. No.	Name of the Student	M.Sc. Coal Tech. Session	CNIC Nos.
1	Adnan Khaliq	2017-19	36502-3236287-7
2	M. Saad Ullah	2017-19	31104-6743229-5
3	Waleed Khalid	2017-19	35103-2572620-1
4	M. Adnan Sami	2017-19	33202-4149412-5
5	Abdul Rehman	2017-19	32302-0470157-5
6	Ali Raza	2017-19	35202-5000624-9
7	Abdul Manan	2018-20	35303-7143097-1
8	Muhammad Asif	2018-20	36304-9186202-3
9	Usman Younas	2018-20	31102-8596919-5
10	Muhammad Usman	2018-20	35201-4024989-1

- **Student Counseling and Career Guidance:**Yes

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

- **University-Industry Linkage**

Students of the Department have visited different industries and students of 6th semester have done industrial training in the following industries:

Sr.	Industry Name	Address
1	Ittefaq Sons (Pvt) Ltd.	Lahore
2	Supra Steels	Climax Abad G.T.Road, Gujranwala
3	PCSIR	Ferozepur Road, Lahore
4	New Shalimar Steel Mills	Sheikhupura Road, Lahore
5	HMC	Taxila, 47050
6	Fiber Tech Composites	Canal Bank, Hanif Park, Harbanspura, Lahore-54850
7	Sui Northern Gas Pipelines Ltd	Gas House 21 Kashmir Road, P.O.Box 56, Lahore
8	Pakistan Standards and Quality Control Authority	125-A Industrial Area Kot Lakhpat Lahore-54770
9	Pakistan Cycle Industrial Co-Operative Society Ltd.(Rustam Sohrab Cycle Factory)	P.O.Rustam Cycle Factory Sheikhupura Road, Shahdara
10	PIA Engineering	Near PIA Training Center Airport Karachi 75200
11	Chenab Engineering Works & Foundries Private Ltd.	Jumra Road, Nishatabad, Faisalabad
12	Bolan Castings Ltd.	Hub District Lasbela Balochistan, Adjacent to Bela Engineers Ltd, Village Baroot sub-Tehsil, Hub District
13	New Shalimar Steel Industries Private Ltd.	45-Peco Road, Badami Bagh, Lahore
14	Batala Steels	17 Km, Sheikhupura Road, Lahore
15	Qaderi Brothers Pvt.Ltd.	O/S Kashmiri Gate Peco Road, Badami Bagh Lahore
16	DSW, Pakistan Railways	Mughal Pura Lahore
17	Pakistan Steel Mills Corporation	Bin Qasim Karachi 75000, P.O.Box 5429



18	KSB, Pumps	Hassan Abdal, Garden Trust Building 16/2, Sir Agha Khan Road, Lahore
19	POF,	Institute of Technology Administration Department Wah Cantt
20	BBJ, Pipe Industries Pvt.Ltd.	49 Km, Multan Road, Near Ittefaq Adda, Bhaipheru, BBJ, House 40, Abbot Road, Lahore
21	Excel Foundary	Sheikhupura Road, Lahore
22	Descon Engineering Ltd	18 Km Ferozepur Road, Lahore
23	New Shalimar Steel Industry Pvt.Ltd.	Lakho Dair Road, Shadi Pura, band Road, Lahore
24	NESCOM	Islamabad
25	Mughal Steels	Sheikhupura Road, Lahore
26	Millat Equipment Ltd	10 Km Raiwind Road, Lahore
27	AFCO Steels	22 Km, Sheikhupura Road, Lahore
28	Fast Cables & Co.	14-G, Gulberg III, Lahore, 7-Canal Bank Main Jallo Road, Lahore
29	EMCO Industry Ltd.	2nd Floor, Emirates Bank Building Kashmir/Egerton Road, Lahore
30	Treet Corporation Ltd.	72-B, Kot Lakhpat Industrial Area, Lahore 54770
31	Pakistan Mineral Development Corporation (Pvt) Ltd.	Head Office 13-H-9, Islamabad, 44790
32	Wahid Industries (Universal Pistons)	Fayyazi Street, Dull Khurd, Ferozepur Road, Lahore
33	Emco Industries Limited	19-Km, Sheikhupura Road, Lahore
34	Master Tiles and Ceramics Industries & Master Sanitary Fittings Industries	G.T. Road, Gujranwala
35	Syed Bhais (Pvt.) Limited	200 Ferizepur Road, Lahore 54600
36	Siemens Pakistan Engg. Co. Ltd.	Shared Services Department Carrier Telephone Industries Pvt. Ltd.
37	Sonex Sanitary Fittings	Gujranwala
38	Rastgar Engineering Company	1-9/3, Islamabad
39	Qaderi Foundaries	Badami Bagh, Lahore
40	Zong Cellular Phone Company	Lahore
41	Telenor Zong Cellular Phone Company	Lahore

○ **Student Counseling & Career Guidance:**

The institute's placement bureau works with the collaboration of senior faculty members. Jobs openings are indicated at department's notice board and students are informed about the interviews and tests whenever desired by the industry.



DEPARTMENT OF TEXTILE ENGINEERING AND 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. Department of Chemistry, The University of Lahore in March 2019, Department of Textiles and Fashion Designing (Sarhad University) Peshawar and Azgard-9 Denim Dec 2019
- **Launching of short courses**
Titled "Textile design & Fabric Manufacturing"
1st short course: 1 week, 08-12 April 2019
2nd short course: 1 week, 25-29 April 2019
- **New initiatives**
Collaboration with Donghua University for research projects.
Launching of short courses Titled "Data analytic using excel"
- **Commercialization of Existing Laboratories**
Faculty members are encouraged to commercialize the existing laboratories which will help university and faculty in research prospective.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **University industry linkage**
National competitiveness refers to the ability to produce and deliver products and services effectively and profitably relative to competing countries. Improving national competitiveness is critical to ensure that we utilize our resources in a productive manner – based on merit, quality and innovation instead of unproductive rent seeking. The successful completion of the current projection on which the Department of Polymer Engineering and Technology is working; envisages investment in the determinants of national competitiveness, especially polymer synthesis, polymer end product formation, bio polymers and new fibers and improved fibers for textiles by engagement in international markets. Thus foundations of a knowledge economy thus will be laid and Industry-Academia linkage will strengthen. It also increases Innovation, technology adoption and value addition. The main industrial sectors where polymer engineering department is helping and will help are:
 - 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
- Petrochemical industries
- Coating industries
- Polymer processing units
- Composite producing units
- Foam industry
- Blending industries
- Recycling sector

In this scenario Department of Polymer Engineering and Technology has served the industry since day 1 and this linkage has been enhanced exponentially in the year 2018-19. MoU has been signed with the industry for carrying out joint research projects. Moreover, department has also provided testing facilities to the industry for characterization of their samples.

List of industries with which department is actively worked and is working are:

- Anwar Khawaja Industries
- Marjan Polymer Industries

Two MoU has been signed with industries during the year 2017-18 for joint funded research projects with

- Reliance polymer industries, Lahore
- Shafi Reso Chem Industries, Lahore

○ **New initiatives**

Keeping in view of the new research and material development by new techniques, a number of new research projects have been initiated in the department of Polymer Engineering and Technology during the year 2018-19. Continuation of previous research projects with the value addition in them is progressed way of enhancing research activities which lead to the new product development. The current areas in which department worked previously and will work accordingly with advancements include

- Simulation and modeling for
- Polymer process optimization
- Polymer plant designs
- Polymer material development
- Advanced composite materials
- Biomaterials
- Orthopedics implants
- Eye lenses
- Scaffolds
- Hydrogels
- Poyurethanes



- Separation processes
 - Water treatment
 - Bio medical applications
 - Paints and coating
 - Anti-corrosion paint
 - Adhesives
 - Baking paints
 - Water proof coatings
 - Composite and Blends
 - Fiber reinforced polymer composites for high grade applications
 - Polymer polymer composites using engineering polymers
- **Internship and Placement Office**
The department has no permanent internship and placement office however department tried to consult a number of industries to place the students in different industries.
- **Student Counseling & Career Guidance**
During the courses and lectures special consideration is given on students counseling, building up of their communication skills and also giving information to the students about their carrier growth and potentials. Department has made special focus in collaborating with the industries and also keep on guiding the students about different organizations in which they can apply for jobs. Moreover, faculty also gave strong emphasis on the students to apply for scholarships in foreign universities for Ph.D. In this perspective department arranged special lectures to the students for their guidance how to apply for scholarship in HEC and in other universities. As a result of this a number of students are currently enrolled in universities of Germany, Korea, UK, Ireland, China and Australia.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **University-Industry Linkage / Collaboration**
MOUs has been signed with different universities with in the country and abroad to exchange study program and also with different local research organizations e.g. PCSIR Labs, PSQCA, LCCI etc. to exchange expertise.
- **New initiatives**
- Continual Professional Development Cell (CPDC)
 - Collaboration with SNGPL for research projects
 - Launching of short courses
 - Organization of Co-curricular activities like celebration of Serat-ul-Nabi, Quaid and Iqbal days, Independence day, resolution day, Kashmir day.
- **Technology Incubation Centre**
Faculty members are encouraged to carry out researches of commercial importance.



- **Internship and Placement Office**

At the Institute the internship is the part of curriculum and mandatory requirement to get engineering degree. Every year Institute arranges Internship programs for students in Fifth semester with the facilitation of Industry and R & D organizations.

- **Student counseling and Career guidance**

- CPDC and student advisor has mandate for student counseling and career guidance. CPDC works in close contact with industry for the recruitment and placement of the young engineers in local enterprises.
- A separate Career Counseling & Alumni office has been established. During 2018, sixteen (16) 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 Initiative**

Trying to convert departmental level linkages to organizational level

- **Internship and Placement Office**

Yes, Arranges internship for all students every summer

- **Student Counseling & 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 Law

PUNJAB UNIVERSITY LAW COLLEGE

○ **Internship and Placement Office**

Associated with the senior advocates having. At least 10 years actual standing in the field of Law.

○ **Student Counseling and Career Guidance:**

- For most of the time of Faculty of Law provides counseling and career guidance to Law students. In this connection, Law Moots are arranged by the Law Moot Society under the supervision of teacher's incharge. These exercises' enhance the capacity building of the students for future challenges and opportunities. Moreover, the subject of trial advocacy and office managements and being taught to LL.B students to make them able, how to manage office.
- The visiting teachers are also engaged by the Law College to get maximum benefits from their legal experiences. The adjunct faculty offers the interested students to work with them as an associate by keeping in view the area of interest of students. The College also make necessary arrangements in the interest of students for frequent visit of District Courts and superior Courts in Pakistan. These arrangements act as catalyst for giving them a practical view over the working and procedure of these Courts.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Internship and Placement Office**

- Services Hospital, Lahore.
- Mayo Hospital, Lahore.
- Sir Ganga Ram Hospital, Lahore.
- Jinnah Hospital, Lahore.
- Punjab Institute of Mental Health, Lahore.
- Amin Maktab, Lahore.
- Shadab Training Institute, Lahore.
- Child Protection Bureau, Lahore.
- Social Welfare Department, Govt. of Punjab, Lahore.
- Dar-ul-Sakoon
- Dar-ul-Falah
- Chaman Institute for Special Children.
- Lahore General Hospital
- Turning Point, Lahore.
- Fountain House, Lahore.



- Fatima Memorial Hospital, Lahore.
- Living Institute for Slow Learners, CCP, PU, Lahore
- National Special Education Centre, Government of the Punjab, Lahore.
- **Student Counseling and Career Guidance**
 - **Counseling and Therapeutic Services**
Centre is providing counseling services as well as therapeutic for the management of Anxiety, Depression, Anger, Self Esteem, Acute and Chronic Stress, Drug, marital Problems and Adjustment Problems.
 - **Assessment Services**
Centre is also providing assessment services related to Personality, IQ, Neuropsychological and Achievement.
 - **Living Institute for Slow Learners (LISL)**
Living Institute for Slow Learners (LISL) is working to improve the functioning of children with special needs in the area of self-help, language, socialization, motor and cognition, to manage emotional and behavioral problems of children to enable them for inclusive education. For this purpose efforts are being done to enhance self-esteem, social skills, self-confidence and basic learning skills. Their associated and problematic behaviors are also managed in individual sessions. Management training is provided for major childhood disorders e.g. Attention Deficit Hyper Activity Disorder, Mental Retardation, Asperger's Syndrome, Autism and Learning Disorders and difficulties etc.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **University-Industry Linkage**
The Centre has collaboration with seed companies for field trials of transgenic plants and collaboration with different hospitals for medical and health related projects.
 - M/s Ali Akbar Group, **Bhoptian Chowk Defence Road, Off Raiwind Road, Lahore.**
 - M/s Aziz Group of Companies, 77 Industrial Estate-60000, Multan.
 - M/s FMCUnited (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	Up gradation of Support Facilities/Amenities on the CEMB Campus
3	Expansion of Teaching in Molecular Biology

○ **Patents**

Two patents are submitted.

○ **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 2018-2019 forty eight 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
- Hazara University
- GC University Faisalabad
- 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
- Bahuddin Zakria University, Multan

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 the Department of Botany



- One student from GC University
 - 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.
 - 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
 - Weekly Board Display to create awareness against Anti-corruption in Academia
 - Celebrated Anticorruption day
 - Fire and emergency drills
 - Ecosystem competition for student for giving awareness about protection of ecosystem
 - Dr Imran Sajid and Dr Zaigham Abass are working as career counsellor/ for recommending students to various industries and institutions.

DEPARTMENT OF ZOOLOGY

○ **University-Industry Linkage**

Prof. Dr. Javed Iqbal Qazi

Ph.D. Member, Core committee to develop/strengthen the University Industry Linkage, University of the Punjab, Lahore vide letter No. D/486/R dated 18.07.2013

Prof. Dr. Muhammad Naeem Khan

- Department of Fisheries, Government of the Punjab, Lahore.
- American Soybean Association (Pakistan Chapter), Karachi.

Dr. Najma Shaheen

AB Mauri Pakistan (PVT) Limited December 29-, 2015 to present

Dr. Nadeem Sheikh

Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.

INSTITUTE OF AGRICULTURAL SCIENCES

○ **University-Industry Linkage/Collaboration**

We have already organized different University Industry Linkage Programme with the collaboration of:

- Amanah Halal Research Centre (Amanah HRC)
- Pepsi-Cola International (Pvt.) Limited
- The Ohio State University (material transfer agreement)
- Evoyl Group of Seed, Fertilizer and Pesticides (EGSFP)
- Her Majesty the Queen in Right of Canada (material transfer agreement)



○ **New Initiatives**

- Transgene technology for the purpose of producing virus resistant cotton plants, Kitchen Gardening, Tunnel Farming, Germplasm trials and seed production strategies, Conservation Agriculture, To promote Food Science & Technology (Introduction & preparation of several new products in the lab, such as jam, juices, dried vegetable powders).
- Mushroom cultivation has been started in the Institute of Agricultural Sciences and in near future spawn production will also be initiated.
- Rice germplasm conservation and enhancement: Rice germplasm conservation and enhancement is very important and basic tool for the development of new rice varieties through different breeding approaches. We have collected more than 300 rice germplasm lines (exotic + local) from different sources to increase the production and adaptability of some exotic rice varieties:

Objectives:

- To launch a new breeding program
- To increase yield
- To improve quality
- Breeding for resistant varieties against biotic and abiotic stresses.
- Promotion of Entrepreneurship trend and related training opportunities.

○ **Technology Incubation Center**

Production of different food products in Food Sciences centre and isolation/identification of new pathogens for the improvements of crop plants in different laboratories of the institute by using our own resources.

○ **Patents**

- Ahmad, N., Rashid, N., Haider, M. S. and Akhtar, M. (2016). Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. US PATENT Number US 9,340,778 B2
- **Haider, MS** (2013). Novel approach to generate wide spectrum resistance to cotton begomoviruses infecting cotton and other cultivated crops. Patent with Higher Education Commission, Islamabad, Pakistan. Submitted to Intellectual Property Organization of Pakistan (IPO), Government of Pakistan, vide receipt No.084208/LHR/18

○ **Internship and Placement Office**

Regular internship programme is being conducted and Institute has established a Placement Bureau office to deal with the business related to the availability of jobs for the graduates of IAGS.

INSTITUTE OF APPLIED PSYCHOLOGY

○ **Student Counseling and Career Guidance**

As psychologists we are sensitized to the students' psychological needs. While pursuing higher education, the students undergo a stressful and demanding time in their lives and they need help in coping with stress and optimizing their academic performance. Student Counseling and



Assessment Services (SCAS) was therefore set up in 2005 at the premises of the Institute to provide counseling to university students in order to deal with their academic, emotional, social, adjustment, behavioral and other related problems. Initially the main objective of SCAS was to address the needs of Punjab University students, however owing to the increasing demand; these services were extended to the University employees. In order to facilitate and maintain the comfort level of the students, the SCAS has been moved to the premises of the University Health Centre since 2009.

Counseling services are offered by highly motivated, committed, fully trained and experienced professionals i.e. a team of clinical psychologists under the supervision of Director, Institute of Applied Psychology and Chief Medical officer, Health Centre. Ms. Sadia Shahzeb a Clinical Psychologist is supervising counseling and assessment services provided at the SCAS. SCAS can be approached to set up appointments and seek advice. Detailed information about SCAS is available at <http://pu.edu.pk/scas/> Ph No. 042-99231256.

All contacts and communication with counselor are kept completely confidential. The services also help in developing skills needed for a successful student life mainly: stress reduction and management, time management, confidence building and assertiveness skills. The SCAS also performs psychological assessment of students and employees referred by the University competent authority. Group Counseling sessions are also conducted to address large group of students' issues such as confidence building, time management skills, assertiveness, prioritizing, interpersonal skills etc. SCAS runs awareness activities for University students in form of putting stalls, delivering orientation lectures in Departments and distribution of information leaflets. Our ultimate aim is to enable University students to maximally utilize their potentials to show outstanding academic performance in particular and to lead a healthy and quality life in general.

The number of students benefiting from counseling services has been increasing gradually and they have shown good progress.

The most commonly seen problems are listed as follows:

Academic problems	Adjustment/ relationship problems	Psychological problems	Personal
<ul style="list-style-type: none"> • Poor time management • Presentation anxiety • Lack of concentration/attention • Poor study habits. 	<ul style="list-style-type: none"> • Adjustment issues in hostel • Adjustment problem in department • Problems in managing finances • Relationship problems with friends and family 	<p>Mild level: Anxiety, Stress, Anger control problem, Lack of assertive skills, Lack of confidence, low self esteem</p> <p>Severe Level: Depression, suicidal ideation, Obsessive-compulsive disorder, Personality disorder, Schizophrenia, Delusional disorder</p>	<ul style="list-style-type: none"> • Self grooming, • Living habits • Inappropriate mannerism according to the social environment • Dietary habits • Sedentary life style



▪ Referrals

The students referred to SCAS come either through self-referral, through teachers of their respective departments, through medical professionals at the Health Centre and through the University competent authority.

▪ Tasks Achieved

- Development of Time Management Planner for the University Students developed by Prof. Dr. Rukhsana Kausar & Ms. Sadia Shahzeb.
- In addition to counseling, SCAS also offers Psychological Assessment Services and many students and employees have also availed these services.
- Research collaboration with Institute of Applied Psychology, University of the Punjab Lahore.
- Community work program was organized by Institute of Applied Psychology to give awareness and orientation about psychological well-being and counseling services provided at SCAS for University students.
- Group counseling sessions were also organized in the premises of Institute of Applied Psychology for Balochi Students. Their individual problems in academics, adjustment, in language and in general were addressed in group sessions.

Psychological Scales/Tests Developed

Sr. No.	Name of the Test	Developed by
1	Civil Moral Disengagement Scale (CMD)	Shiba Saeed & Rukhsana Kasuar, Ph.D
2	Cricketer's Psychological Characteristic Scale	Vicor Solomon & Rukhsana Kasuar, Ph.D
3	Desensitization to Violence Scale	Ammarah Sehar & Rukhsana Kasuar, Ph.D
4	Manifestation of Dishonesty Scale (MDS)	Madiha Yasin & Rukhsana Kasuar, Ph.D
5	Maternal Concerns and Attitudes Scale for the Safety of Daughters MCA-SD	Khadija Rasheed & Rukhsana Kasuar, Ph.D
6	Maternal Concerns and Attitudes Scale for the Safety of Sons MCA-SS	Khadija Rasheed & Rukhsana Kasuar, Ph.D
7	Peak Experience of Music Scale (PEMS)	M. Faran & Rukhsana Kausar, Ph.D
8	Professional Jealousy Scale	Shahnaz Bano & Rukhsana Kasuar, Ph.D
9	Sense of Responsibility Scale	Madiha Khan & Rukhsana Kasuar, Ph.D
10	Social Adjustment Scale	Ridaul Wafa & Rukhsana Kasuar, Ph.D
11	Tolerance Scale	Moona Mansur & Rukhsana Kasuar, Ph.D

Psychological Scales/Tests Translated:

Sr. No.	Name of the Test	Translated by	Name of Original Author/ Authors
1	Addiction Belief Scale	Rida ul Wafa & Rukhsana Kausar, Ph.D	Jeffrey A. Schaler, Ph.D., LLC



2	Adherence to Refills and Medication Scale	Farhana Nasim & Rukhsana Kausar, Ph.D	Sunil Kripalani
3	Anger Self-Report (30-Item Version)	Soulat Khan & Rukhsana Kausar, Ph.D	Frank Walkey Frank.Walkey@vuw.ac.nz
4	Belongingness and Emotional Security Scale	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	John Hodgins
5	Body Image State Scale	Nayab Manawar, Syeda Fatima Hasnain & Rukhsana Kausar, Ph.D	Cash, Thomas F.
6	Brief Self Control Scale	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	June P. Tangney, Roy Baumeister & Angela Luzio Boone
7	Child Perception of Interparental Conflict	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	Frank D. Fincham
8	Cricket Mental Toughness Inventory (CMTI)	Vicor Solomon & Rukhsana Kasuar, Ph.D	Daniel Gucciardi
9	Diabetes Specific Locus of Control Scale	Farhana Nasim & Rukhsana Kausar, Ph.D	James H. Price, PhD, MPH
10	Eating Attitudes Test-26 -EAT-26	Nasreen Ramzan & Rukhsana Kasuar, Ph.D	Garner, Olmsted, Bohr & Garfinkel janellen@unm.edu (J.E. Smith garner@river-centre.org
11	Emotional Regulation Questionnaire	Soulat Khan & Rukhsana Kausar, Ph.D	James Gross gross@stanford.edu
12	Experience in Close Relationships-Relationship Structure Questionnaire (ECR-RS)	Shehnaz Bano & Rukhsana Kausar, Ph.D	R. Chris Fraley
13	Interpersonal Reactivity Index (IRI)	Madiha & Rukhsana Kausar, P.hD	Mark Davis
14	Kaufman Domains of Creativity Scale	Syeda Fatima Hasnain, Sidra tul Muntaha & Rukhsana Kausar, Ph.D.	James C. Kaufman
15	Leisure Motivation Scale	Syeda Fatima Hasnain, Sidra tul Muntaha & Rukhsana Kausar, Ph.D.	Tom Blaschko & Idyll Arbor.
16	Perceived Devaluation Discrimination Scale	Farah Yaqoob & Rukhsana Kausar, Ph.D	Link, Bruce G.
17	Self-Harm Behavior Questionnaire	Soulat Khan & Rukhsana Kausar, Ph.D	Augustine Osman augustine.osman@utsa.edu
18	Self-Rating Scale	Soulat Khan & Rukhsana Kausar, Ph.D	Jill Hooley Jmh@Wjh.Harvard.Edu
19	The Consideration of Future Consequences Scale	Ammarah Sehar & Rukhsana Kausar, Ph.D	Alan Strathman & Jeff Joireman, Ph.D
20	The Life Effectiveness Questionnaire	Moona Mansur & Rukhsana Kausar, Ph.D	James Neill Ph.D
21	The Listening Styles	Shiba Saeed & Rukhsana	James B. Weaver



	Profile (LSP-16)	Kasuar, Ph.D	gjk9@cdc.gov
22	Treatment Self-Regulation Questionnaire	Farhana Nasim & Rukhsana Kausar, Ph.D	Edward Deci
23	Uses of Music Inventory	M. Faran & Rukhsana Kausar, Ph.D	Adrian Furnham Ph.D

▪ **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.

○ **Internship and Placement Office**

CAMB is providing a platform to the internees. Seven internees has completed their internship in CAMB under Prime Minister Youth Training Scheme for a period of one year. 34 students/ internees from various universities have been accommodated during 2018-19.

○ **Student Counseling & Career Guidance**

The Centre has formulated a departmental committee named "Student Advisory Committee" which is providing a student counseling and career guidance to the student. Jobs opportunities/ foreign higher studies are indicated at department's notice board. Career counseling provided by the faculty members during their lectures in line with their specialization within the country and abroad. Resultantly, some students got admissions/scholarships in foreign universities for their Ph.D degrees.

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

○ **Internship and Placement Office**

One officer is dealing with the internship program for Community Pharmacy, Hospital and Pharmaceutical Industry.



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

CENTRE FOR UNDERGRADUATE STUDIES

University Building Economics

Dr. ShabnumJaved is Principal Investigator of *Aloe vera*Project (2017-2018) at Center for Undergraduate Studies, University of the Punjab. The agreement in process for Punjab University-Avanti Nutraceutical Industry linkage for the commercialization of *Aloe vera*Juice.

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.
- Collaboration with M/S Wisey's Germany for RWH (SMS) Pilot Project at the CEES.
- Collaboration with the American Rainwater Catchment System (Pakistan Chapter) to Development research innovations technologies and sharing of knowledge, and Manpower.
- Research Collaboration with TDCP Punjab, is in Progress
- MOU with DARCO Group for Research Collaboration
- MoU with National Cleaner Production Center, Pakistan for Research Collaboration

○ **Internship and Placement Office**

Students of The College of Earth and Environmental Sciences are offered placements in the various collaborative organization / institutions in order to carry out research work in the areas of Environmental Sciences, Applied Hydrology and Geomatics as well as in the newly launched discipline of Occupational Health & Safety.



- **Student Counseling and Career Guidance**

The student advisor is all the time available for student counseling in the CEES

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Internship and Placement Office**

A sub-office of Internship and Placement is being working in the college to accommodate the students. Industrial Linkage Committee has also been set up which is working in this regard.

- **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

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 7 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.

7

Chapter

STRENGTHENING PHYSICAL INFRASTRUCTURE

- Development Projects (Laboratories, Libraries, etc.)
- Research Equipment
- Construction Projects



**CHAPTER****7****Strengthening Physical Infrastructure****Faculty of Arts & Humanities****COLLEGE OF ART & DESIGN**

- **Development Projects** (Laboratories, Libraries etc.)
We have four Computer Labs consisting of 76 computers and 3 Libraries having 15589 books.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Development Projects** (Laboratories, Libraries, etc.)
 - The M. Phil, ELT and Linguistics sections of the Department Library have been computerized. The formation of electronic data-bank of MA English books is in progress.
 - Establishment of Departmental Computer Laboratory.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Development Projects** (Laboratories, Libraries, etc.)
The Library of the Department of History contains a wide collection of books, journals, reports; newspapers covering a wide-range of themes related to history. It had purchased 164 books & journals during the session 2018-19.
- **Construction Projects**
 - Furniture of library and office was repaired.
 - New furniture was purchased for office.

Faculty of Behavioral & Social Sciences**DEPARTMENT OF SOCIAL WORK**

- **Development Projects** (Laboratories, Libraries, etc.)
 - Library of the Department added 98 new books on different subjects in the reporting period.



INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Development projects** (Laboratories, Libraries, etc.)
In order to upgrade the library facilities 450 number of latest books has been added in the Institutes library.

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

- **Development Projects** (Laboratories, Libraries, etc)
136 Nos. books were purchased for Library.
8406 Nos. total books in Library.
- **Research Equipment:**
Students are being facilitated with availability of on line journal and use of IT.
- **Construction Projects:**
We have submitted PC-I for construction of new Academic Block besides renovation of old structure.

HAILEY COLLEGE OF COMMERCE

- **Development projects**
 - 3 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.)
Services like OPAC is introduced in case of library during the reference period.
- **Construction projects**
 - Project “Construction of School of Economics at Q.A.C, Lahore” was initiated in 2019.
 - Partial renovation of Chairman Office was undertaken.
 - Seminar room was renovated.
 - Kitchen was renovated.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Development projects (Laboratories, Libraries, etc.)**
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 30-09-2017	21,370
2	New books added during the reporting period	169
3	Total book as on September 30, 2018	21,539

In addition to above books, IBA library is also regularly subscribing for 1 (one) foreign and 9 (nine) local famous journals.

○ **Construction projects**

- Work completed on construction of left over portion of new building comprising a computer lab., faculty office and class rooms through self-supporting fund of the institute. The estimated cost for the said work is about Rs. 17 millions.
- Work completed on renovation of class room and corridor on first floor of IBA new building through self-supporting fund of the institute. The estimated cost for the said work is about Rs. 2.9 millions.
- Work started on construction of tuff tiles passage road at IBA through self-supporting fund of the institute. The estimated cost for the said work is about Rs. 3.4 millions.

INSTITUTE OF BUSINESS AND INFORMATION TECHNOLOGY

○ **Development Projects** (Laboratories, Libraries, etc.)

- The institute has three computer labs, one general computer lab for students to work on their assignments, projects and research activities and Two classroom labs, with 244 computers.
- The institute is using maximum modern facilities such as computer hardware and software, internet, and multimedia equipment.
- IBIT library has more than 4637 books along with more than 1230 MBIT Thesis and more than 400 Internship Reports.

○ **Construction Projects**

A medium size prayer area is being constructed at IBIT for Students, Faculty and Staff on self-reliance basis.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

In the Computer Lab of the department, is running with 10 computers and now is under renewal process.



Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

- **Development Projects (Laboratories, Libraries, etc.):** A new PC-I for converting this Centre into Energy and Environmental Engineering Institute has been approved which includes 20 new labs and a library as well.
- **Research Equipment:** This year a new equipment for the measurement of Total Organic Carbon (TOC) has been installed at the Centre which already have a number of research equipment including Fourier Transform Infrared Spectroscopy (FTIR), Automatic Bomb Calorimeter, Manual Bomb Calorimeter, Digital Density Meter, Elemental Analyzer, BET surface area analyzer etc.
- **Construction Projects:** A new PC-I for converting this Centre into Energy and Environmental Engineering Institute has been approved and design and drawings of the new building have been forwarded to Planning Commission for approval.

DEPARTMENT OF METAULLURGY & MATERIALS ENGINEERING

- **Development Projects**

The development of new laboratories and the refurbishment of existing laboratories was successfully completed. New research equipment (SEM, XRD, UTM, Potentiostat) were installed and made functional.
- **Research Equipment**
 - Department of MME has following research equipment:
 - Scanning electron microscope with EDX analysis
 - X-ray diffractometer
 - Atomic force microscope
 - Potentiostat/Galvanostat
 - Universal testing machine
 - Spectrometer
 - UV spectrometer coupled with Potentiostat
 - Hardness testing machines
 - Optical microscopes
 - Micro Vickers Hardness tester
 - Metallography equipment
 - Furnaces
 - Ball mill
 - Magnetic separator
 - Froth flotation equipment
 - Sand testing equipment



- Gas fired furnace
- Induction furnace
- Scratch tester
- Abrasion tester
- Three roll mill
- Vacuum mixer
- Ultrasonication bath
- Sand blasting machine
- Belt grinder
- Charpy impact tester
- Izod tester
- Power supplies
- Multimeter
- Profilometer
- Lab scale extruder and injection moulding machine
- Hot press

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**

Different glass wares and small scale equipments required for research are added in the department

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

○ **Development projects**

- Department of Textile Engineering and Technology purchased 11 new books in 2019. The departmental library and library record were organized and digitalized
- The institute receives budget for its development projects from University of the Punjab and HEC.



○ **Research Equipments**

Department of Textile Engineering & Technology purchased following pieces of equipment for its laboratories from 2008 to date.

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
Sewing Machine	Ultra sonication Machine	Jet dyeing machine is relocated from Institute of Energy and Environmental Engineering to Department of Textile Engineering and Technology.
Automatic Sampling Loom purchased last Year from China in the USAID Project	Automatic Warping and Sizing Machine purchased last Year from China in the USAID Project	

The Department is engaged in R&D for the development of new materials and new processes that are beneficial for industrial advancement. Strategic areas of focus are (i) Smart Functional Textiles; (ii) Electro spinning; (iii) Water and textile waste water treatment.

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 Sizing Machine
- Automatic Lab Scale loom
- Sewing machine
- Ultra Sonication Machine
- Jet Dyeing Machine



- **Construction projects**

Now department is working on an uninterrupted power supply by virtue of two UPS installed. These generators have been purchased by the departmental savings and Worthy Vice Chancellor's special fund.

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.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

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

Projects are in process to equip Laboratories as per requirements of Pakistan Engineering Council.



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.

- **Construction projects**

The College has renovated its Hall which was in deteriorated condition and has also been given the name as 'Edhi Hall'. New Floor Tiles have been laid down in the College Library.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

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

Library: Institute of Islamic Studies has added more than 2000 New books in the library and number of books has been increased beyond 34572.

SHEIKH ZAYED ISLAMIC CENTRE

Library Services: The Library of Sheikh Zayed Islamic Centre is designed to serve the faculty, students, researchers and staff of the Centre. The Library has a rich collection of materials. The collection is ideally developed to encourage and support research activities. The Library is fully automated. It houses over 17000 printed books, 62 national and international journals and also has other materials like research dissertations and reports. The Library is managed by professional and Para-professional staff those are all well qualified and experienced workers dedicated to providing quality services. The books and other reading materials are categorized into various sections according to the specific nature of the collections.

Computer Lab: The Computer Lab. is equipped with 35 computers to meet academic needs of the students of Centre.

Language lab: Language Lab is equipped with 30 units to facilitate the learning process while carrying out language workshops / Diplomas. Recently the monitor in the Language Lab. is replaced by a LCD to meet the latest standards.



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

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

New Library and Computer Lab for the students was established at the new building of the Centre for Clinical Psychology to meet the Research and Clinical needs of BS, MS& Ph.D. students.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Research Equipment**

Following Research Equipment were purchased

Sr. #	Equipment Name	Quantity
1	Air conditioner 2-Ton GREE&PEL	3
2	Cannon Geyser 35 Ltr size	1
3	Canon Instant Geyser gas 6 ltr	15
4	Computer, XE2 1GB VC W1010TI Cat# A40496 with monitor, 23" flat P231 and accessories	1
5	Corolla Altis super White (LEJ-19-1279) Model:178B AT 1598CC	1
6	Deep Freezer PELL 275 Ltr Model PDF 70-100	1
7	Electric Kettle 1.7ltr	2
8	Exhaust Fan	4
9	G5 computer system (used) power Mac	1
10	Gel Electrophoresis Unit Horizontal TY-SPDTJuni	1
11	Haemocytometer Germany	2
12	Hot Air Dryer Braun	1
13	HP Computer Ci5 8th Generation 8GB ram with LED 18.5"	1
14	HP Printer	2
15	Lab Stools	20
16	Laminar flow Cabinet	2
17	Lap top core i-7 HP pro book	2
18	Lap top Core i5 Dell	5
19	LED DELL 23" model 2318 with stand	1
20	Magnetic stirrer with hot plate	1
21	Micro Centrifuge Model D 2012 DLAB	1
22	Microwave Oven Model 210S	1
23	Mobile CPU Cart with wheel locking system	26
24	Mobile Drawer Unit with three lockable drawers	26



25	Multimedia Projector MITSUBISHI model EX240U	1
26	Nano drop Spectrophotometer model# ND-ONE	1
27	Office Chair Revolving	3
28	Page Apparatus Stock code MV-10DSYS	1
29	Paper Destroyer /Shredder Model AS1225CD	1
30	PCR Veriti 96W Thermal Cycler	8
31	Photocopier machine CANON IR-ADV 4535i	1
32	Pipette Man Eppendorf P 0.5-10ul	3
33	Pipette Man Eppendorf P10-100ul	3
34	Pipette Man Eppendorf P100-1000ul	3
35	Power Supply	2
36	Real Time PCR (QPCR)	1
37	Refrigerator Dawlance 4ft Model 9101	15
38	Refrigerator DAWLANCE 9188WB LVS technology	1
39	Scaffolding Stair 4' * 5' *4 wheel (iron made) for lecture hall	1
40	Scanjet Hp Scanner Model Pro-2500 fi	1
41	Stabilizer	2
42	Steel cabinet for seed storage	3
43	Trance-Blot SD Semi-Dry Electrophoretic Transfer Cell	1
44	UPS 3KVA model Nero II-3KW with two Exide N140 Batteries	1
45	UV Trans illuminator	2
46	Water Bath Model HH-S4	1
47	Weighing balance	3
48	Wooden Almirah (W 48", H 84", D 18"	7
49	Workstation Single Unit (W 5'* D 8'* H 2'-6"/3'-6")	14
50	Workstation Twin Unit (W 5'* D 8'* H 2'-6"/3'-6")	6

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Development Projects** (Laboratories, Libraries, etc.)
 - 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, Pipettes



- Glass ware, glass columns
- Incubators
- Micro Centrifuge
- PCR
- Upgradation of general and research lab equipments
- Spectrophotometers
- PCR Thermocycler
- Safty Cabinets
- Centrifuge High speed
- Freezer -80degree celcius
- Thermocycler (3 Block)
- Freeze Dryer
- Electroporator
- Nanodrop spectrophotometer
- Incubators
- Digital Auticlave
- Equipment purchased by DrBasharat
- Development of anerobic system by DrYasir
- Safty cabinet for Animal house
- Things upgraded in laboratory of Drzaigham and new lab of DrShafiqfot bacteriophages
DR sikander ask from them to add
- **Construction Projects**
 - Established basic animal house
 - Bacteriophage lab

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Construction projects**
One Tennis Court constructed in 2018

DEPARTMENT OF ZOOLOGY

- **Development projects** (Laboratories, Libraries, etc.)
 - At present the Department of Zoology has a clear vision to extend its existing research facilities. These are following main components in this respect which are given as under:
 - Strengthening and up-gradation of existing facilities in Zoology Department.
 - Over all improvement and renovation of the department.
 - To establish field research laboratory at Fish Research Farm University of the Punjab for research students of the department.
 - Establishment of Entomology laboratory for studying Biodiversity and Ecology of insects and spiders.



- To establish Animal house facilities in the department of zoology for rearing of experimental animals.
- **Research Equipment**
Department has purchased following equipments during 2018
 - Multimedia Projectors
 - Spectrophotometers
 - Computers
- **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 equipments to fulfill the needs of MS Health Psychology students.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

- **Research Equipment**
- Elisa reader
 - Fluorescent Microscope
 - Centrifuge
 - Ultra centrifuge
 - Real time PCR
 - Gradient PCR



- Refrigerated Centrifuges
- Fast protein liquid chromatography (FPLC)
- *High-performance liquid chromatography (HPLC)*
- Gel Doc system
- Mini cold Labs
- Nano drop

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 28 functional and fully furnished laboratories with the necessary equipment for research work. There are 11 research laboratories 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-TOF 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. The Third wing comprises animal cell culture and enzymology labs which is facilitated with fermenters to scale up the production of recombinant proteins / enzymes. The School has a programme of 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, in this connection the school holds two training workshops each year, one in spring on recombinant DNA Technology and other in autumn on production and purification of recombinant protein. School is making rapid progress and is heading towards its objectives with the concerted efforts of the faculty members and the able guidance of the Director General.

○ **Research Equipment**

Sr#	Name of Items	Make/Model	Qty	Year	Status
1	UV/VIS Spectrophotometer	Model:CE7400S Make: Cecil . UK	02 Nos	2018	Functional
2	Microscope	Model:IX83P2ZF Make:Olympus	01 No	2018	Functional
3	Multimedia Projector	Model:EB-2255U Make:Epson	02 Nos	2018	Functional
4	Pippet Set	Made: Gilson France	03 sets	2018	Functional
5	Microbiological Safety Cabinet	Model:ClassII Type A2 Make: Local Fabricated	01 No	2019	Functional
6	Shaking Incubator	Model:ZWYR-240 Make:Labwit Australia	01 No	2019	Functional



7	Gel Documentation System	Model: Ingenious Make: Syngene England	01 No	2019	Functional
8	Multi Scan Spectrophotometer	Model: CE7400S Make: Cecil UK	01 No	2019	Functional
9	Biohazard Safety Cabinet 4Ft	Class II, Type A2 Make: Local Fabricated	01 No	2019	Functional

Faculty of Oriental Learning

DEPARTMENT OF KASHMIR STUDIES

- Development projects (Laboratories, Library, etc.)

Sr. No.	Particulars	Available in 2018-19	Addition	Total
01	Books	5582	57	5639
02	Research Journals	276	10	286
03	Thesis (M.A)	297	06	303
04	Thesis (M.Phil)	11	01	12
05	Ph.D Dissertation	08	01	09

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: 46343 books
- Arabic: shifted New Campus
- Persian: 8302 books
- Urdu: 20758 books
- Ref. 3131 books
- Oriental Publications: 1206. Books

Computer Lab

Two combined Computer Labs for all the Teaching Departments and Institute of Languages of the College, comprises on 27 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**
 - Construction of a Central Lab Facility (Funds approved)
 - Construction of a 500 capacity seminar room (Funds approved)
 - Construction of a state of the art Animal House (Funds approved)
- **Research Equipment**
 - Particle Size analyzer
 - UV - Gel-documentation system
 - Sterilizer
 - Thermal cycler
 - Fourier Transformed Infrared Spectroscopy (awaiting delivery)
- **Construction projects**
 - Construction of a state of the art Class Room (Funds approved)
 - Construction of a Quality Control Laboratory (Funds approved)

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Development Projects**
 - Up-grading of Soil and Water Quality Lab
 - Up-grading of Computer Lab.
 - Installation of Security Cameras
 - Up keeping of surrounded area of main building of CIMR.
 - Initiation of BS program in Disaster management

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

- **Development projects** (Laboratories, Libraries, etc.)
 - Up gradation of library
- **Research Equipment**
 - Fume Hood Model KT-Bsc A2-42(Blower with Body Italy)

CENTRE 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 equipment in laboratories

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Development projects (Laboratories, Libraries, etc.)

Library: College of Earth and Environmental Sciences has added more than 185 New books in the library and number of books has been increased beyond 3772.

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;

- **Research Equipment**

- A separate computer lab for research purpose is developed in the college where Ph.D students do the research work with modern tools and equipments

- **Construction Projects**

There was a need of Canteen for the students so a canteen was build covering adequate space in the college.

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.

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.)

- Five Computer Labs.
- One Library

- **Research Equipment**

102 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.
 - A proposal of PC-1 for Central Instrumentation Laboratory is submitted to University.
 - PC-1 for the Strengthen the Research Infrastructure in Department of Physics is under preparation.
 - Faculty members are preparing research proposals for submission to HEC under the call HEC NRP by HEC (Deadline January 15, 2020)
- **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, Materials growth and simulation lab, Thin film lab

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.)

- Lab-C New Campus (50 Computers)

○ **Research Equipment**

Laptops: 1

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: Hot Plat**

○ **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.

8

Chapter

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

○ Network

PERN 1 & PERN 2

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 has been gradually increased in last few years in all campus.

- 1.075 Gbps in Quaid-e-Azam Campus,
- 150Mbps 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 and Sports Department for Women.
- 16Mbps in New Campus GIS Centre,
- 16Mbps in Gujranwala Campus
- 16Mbps in 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

- SANGFOR NGAF(Firewall) (**New Deployment**), 10G CISCO 3750-E Live Switch (**New Deployment**), NE40 Router (**New Deployment**), 2500/3600/3845 Series Cisco Routers, Switches (Core Switch Blade, high-end layer 3/2 manageable and unmanageable, Huawei S7700 Series (Core Switch Layer 3) & Huawei S5700 Series (Distribution Switch)), Cisco Pix Firewall 525, IBM Power Series in Data Centre, Proxy, Web, FTP and a DNS/ DHCP Servers with the latest specifications round the clock with advanced level of UPS and power generator, Nagios Monitoring Server (400+ nodes), Fire Alarms/Extinguishers.



Wireless Network

IT Centre provides internet facility to the following departments by Wireless connectivity:

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

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

I.T. Centre has installed Wi-Fi equipment in all Hostels/PU Staff Colony (Point-Point Link) to provide the Internet services to the students and residents.

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.

IP Telephony Project (VOIP)

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.

Achievements & Expansion in Year 2018-19

New Extension Wi-Fi/ Wireless solutions

- College of Statistical and Actuarial Sciences New Building
- Punjab University Colony
- Khalid Bin Waleed Hostel (Allama Iqbal Campus)

Smart University project (HEC)

- Work in progress

Data Centre

- SANGFOR NGAF(Firewall)
- 10G CISCO 3750-E Live Switch
- NE40 Router

VIDEO CONFERENCE

Video Conferences Conducted 2018-2019

The web link to avail video conference facility. <http://pu.edu.pk/page/downloads>

Sr #	Date	Description (Video Conference)	Facilitated Department	Destination
1	08-10-2018	Meeting of Working Group on Higher Education for 12th Five Year Plan	VC-Office	HEC Islamabad
2	11-10-2018	Universities to be invited through video con for CERN meeting	VC Office	HEC Islamabad
3	15-10-2018	Vice Chancellors' Meeting	VC-Office	HEC Islamabad
4	14-11-2018	Chairman HEC with Selected candidates under Seerat Chair	VC-Office	HEC Islamabad
5	04-02-2019	Meeting with VCs/Rectors	VC-Office	HEC Islamabad



6	28-02-2019	Consultative Meeting of Public Sector Universities	VC-Office	HEC Islamabad
7	15-03-2019	Project Steering Committee Meeting	Engineering Brach	HEC Islamabad
8	02-04-2019	On-line Course entitled, "Laboratory Safety & Security"	MMG	HEC Islamabad
9	10-04-2019	Facilitation Consultative Workshop on World Bank assisted project AGAHEE	VC-Office	HEC Islamabad
10	10-05-2019	Pakistan Citizen Portal for Connecting with Universities	VC-Office	HEC Islamabad
11	10-07-2019	Video Conference	VC-Office	HEC Islamabad
12	19-07-2019	Transition from BA/BSc Program to Associate Degree	VC-Office	HEC Islamabad
13	25-07-2019	PERN Technical Committee Meeting	I.T Centre	HEC Islamabad
14	06-08-2019	Consultative Meeting of all the Heads of public sector Universities	VC-Office	HEC Islamabad
15	29-08-2019	Video Conn request for MSIA	I.T Centre	HEC Islamabad
16	04-11-2019	Video Conference	VC-Office	HEC Islamabad

Important Seminars/Conferences 2018-2019

- Phase-I of 127th Convocation, 2018
- Convention of Punjab University Alumni Association, 2018
- 6th International Conference on Research in Education (ICORE 2018)
- Human Rights Film Festival, 2018
- Seerat-Un-Nabi (S.A.AW) Conference, 2018
- Chinese Lantern festival
- 8th Invention to Innovation Summit
- Time Scale Promotion Ceremony, 2019
- Annual Result Ceremony, 2019
- Ceremony of Art Competition

○ Campus Management Solution

People Soft Campus Management Solution is an ERP and is being used by world's leading universities and is in implementation phase in University of the Punjab. 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)

Training and CMS Helpline

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 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/>

Achievements & Expansion in Year 2018-19

- 50 Queries Resolved (Initiated by Official Letter/Email/Phone)
- Data Import from SRM to CMS.

○ 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 Website

Web section entertained about more than **20,000 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 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.



Acievements & Expansion in Year 2018-19

PU Website Updating	Web section entertained about more than 35,000 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.
Maintenance / New Additions Online Payment Integration	Online real time payment Integration has been implemented with (HBL) Habib Bank Pvt Ltd. Now the students can pay the dues online.
Maintenance / New Additions to 1st Alumni Reunion Website	IT Centre has designed and developed the new website for alumni of University of the Punjab and added new features in the website. http://alumni.pu.edu.pk
YouTube Live Streaming	IT Centre has covered the live streaming of the Convocation held in Faisal Auditorium on YouTube. http://pu.edu.pk
NCPH Conference Website	IT Centre has developed conference website NCPH. http://pu.edu.pk/NCPH/
ICPU Conference Website	IT Centre has developed conference website for "Recent Innovations in Molecular Sciences". http://pu.edu.pk/icpu2019/
PU admission Basic Criteria Merit Calculator	IT Centre has designed and maintained Basic Criteria Merit Calculator of University of the Punjab. http://journals.pu.edu.pk/old/fee/basicadmission/calculator/
Development of Confucius Institute (CIPU)	Maintain and added new features for Confucius Institute, University of the Punjab. http://pu.edu.pk/confuciusinstitute/cipu/
PU Website New Design	Maintain and added new features to the new website of University of the Punjab. http://pu.edu.pk
Development of DPCC Website	Maintain and developed new functionality of the website for DPCC
International Journal of Business Reflections	IT Centre has developed journal Management system of International Journal of Business Reflections for HCBF. http://111.68.103.26/journals/index.php/JECE
Journal of Media Studies	IT Centre has developed journal Management system of Journal of Media Studies for ICS. http://journals.pu.edu.pk/journals/index.php/jms

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.

***Acievements & Expansion in Year 2018-19***

Software	Development/Maintenance Detail
Fee Management System (Fee Section - Accounts Branch)	<ul style="list-style-type: none"> • Various changes in Inquiry Report & excel export. • Various changes in challans refund. • Various changes in Challan Entries. • Import Breakup in Bank Data with relevant exceptions control. • Defaulters List Report. • Import of Online Admission Challans (fall – 2018). • Import of Regular Registration Forms/Challans. • Various changes in Regular Challan Entries.
Students Records Management (SRM)	<p><u>Administration Panel (for IT Centre)</u></p> <ul style="list-style-type: none"> • Various changes in existing Summary Reports • Developed New Summary Reports. • Change Student current Status. • Export Students Data for RFID Cards with export tracking. • New Search Filters & Criteria addition in Students List. • Export Students Data for CMS (Campus Management System) <p><u>SRM Portal for all PU Departments</u></p> <ul style="list-style-type: none"> • Provision of direct printing for single student's details • Provision of adding Foreigner students. • Change Student Status Feature (i.e. Dropped, Freeze & Passed Out etc) • New Search Filters & Criteria addition in Students List • Summary of Added Students w.r.t Admission Session & Program • Export Students w.r.t Admission Session & Program • Various changes in Generate Return feature.



Online Admissions Portal	<p><u>Administration Panel (IT Centre)</u></p> <ul style="list-style-type: none"> • Various changes in Online Applicants/Applications Summary. • Various changes in Open/Edit/Manage Admission Schedules & offered programs assignments. <p><u>Administration Panel (Departments)</u></p> <ul style="list-style-type: none"> • Various changes in Applicants/Applications List with search filters. • Various changes in Applicants/Applications Details. • Various changes in Export Applicants (all details added by applicant) for further merit list generation. <p><u>Admission Form (Applicants)</u></p> <ul style="list-style-type: none"> • Various changes in User Interface & Layout of Admissions Form. • Various contents changes on Admission Form. • List of Offered Programs with schedule accordingly. • Complete process for Groups Programs applications (i.e. for B.Sc Engineering programs). • Sign-up/Sign-in features for applicants. • Various changes in final pdf file of Admission Form.
Online Registration Portal	<p><u>Administration Panel (Registration Branch Officials)</u></p> <ul style="list-style-type: none"> • Various changes in Colleges Returns. • New Summary Reports for Registration Officials. • Various changes in export of Candidates Data. • New reports and export features for data being used for Fee Section.
Online HR Portal	<p><u>Online HR Administration Panel</u></p> <ul style="list-style-type: none"> • Add/Edit/Manage Records being used for offering of the job Posts/Applicants <ul style="list-style-type: none"> ○ Campuses ○ Faculties ○ Departments ○ Posts etc... • Add/Edit/Manage Schedules for offering Job Posts • Various Summary, List & Details Reports for Applicants / Applications with searching filters • Export facility in desired format for HR Branch for further manipulations



	<p><u>Online HR Form (Applicants)</u></p> <ul style="list-style-type: none"> • Application Forms for profile creation that includes as follow: <ul style="list-style-type: none"> ○ Personal/Educational/Experience/Publication/Seminars/Thesis Supervised information handling. ○ Community Services • References etc. • Final Submission of Profile • Apply for desired / offered job posts • Separate Fee challan for each job application • Finalization of job application by Generate Application after depositing fee challan in bank.
Payroll Management System (Salary Section)	<ul style="list-style-type: none"> • Various changes and additions were made in the existing Payroll Management System, as required by the Salary Section (Accounts Branch).
Payroll System (CEMB)	<ul style="list-style-type: none"> • New features and updates were made in Payroll System for CEMB, to facilitate them in generating the salaries of their employees in a better manner.
HEC ePortal	<ul style="list-style-type: none"> • Continued the resolution of users' queries related to HEC ePortal (used for degree attestation, scholarships applications etc.) on daily basis. The resolution of these queries involves adding/updating information about campuses, departments & degree programs.
Billing System (Engineering Branch)	<ul style="list-style-type: none"> • Few changes were made in Billing System according to the new requirements of Billing Section (Engineering Branch).
Hostel Management System (Hall Council)	<ul style="list-style-type: none"> • Resolved several queries initiated by Hall Council • Maintain software access to all hostels • Extended student general reports. • New reports developed • Release Student List (New Report) • Vacant Rooms (New Report) • New feature has been developed in different modules • Students Module • Search Module • Hostel Rooms Allocations Module • Reports Module
HR Management System (DRA-I)	<ul style="list-style-type: none"> • Resolved several queries. • New reports developed.



Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

- **Digital Library:** Yes
- **PERN:** Yes
- **Video Conferencing:** Yes
- **Campus Management Solution:** CMS,SRM
- **Web Portal:** Csapu.edu.pk
- **Development of online admission system:** Yes

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- **Digital Library**
Working to convert the old system into new software
- **Campus Management Solution**
- Trained the staff on handling the CMS. Presently entering data directly into the New software CMS
- **Web Portal**
Strengthening the website of the Department. Planning to start on-line short courses.

DEPARTMENT OF SOCIAL WORK

Department is working on Students Record Management

Faculty of Economics & Management Sciences

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
- **Development of online admission system:** Yes



INSTITUTE OF ADMINISTRATIVE SCIENCES

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

Development of online admission system

All admissions have been made online in 2019 in IBA.

INSTITUTE OF BUSINESS AND INFORMATION TECHNOLOGY

○ Digital Library

IBIT is working on Digital Library to simplify and accelerate the user access to its knowledge bank. Initially the MBIT Thesis are being made accessible in PDF format.

○ Campus Management Solution

IBIT has its own Campus Management Solution that enable all the stake holders with prompt information and expedited execution of routine work. Students can check their enrollment status, attendance status, results, and draft transcripts through LAN.

○ Web Portal

IBIT is easily accessible by students, faculty and staff and worldwide surfers through its website, www.ibitpu.edu.pk.

○ Development of online admission system (for the year 2018-19) if available

IBIT is one of the first institute at University of the Punjab to conduct its online admission through <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

DEPARTMENT OF TEXTILE ENGINEERING AND 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 Department of Textile Engineering and Technology is utilizing video conferencing facility of the university on need basis from different university hubs.
- **Campus management solution**
The Department of Textile Engineering and Technology has implemented the Campus Management solution for managing different tasks. Most of the faculty members have been using Turnitin software for the publication.
- **Web Portal**
The Institute has a shared web portal with University of the Punjab.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Web Portal:** Yes
- **Development of online admission system:** Yes

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.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Digital Library:** Yes, Main Library as well as Departmental
- **Campus Management Solution:** Yes, CMS
- **Web Portal:** Yes
- **Development of online admission system:** Yes

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- **Digital Library**
Digital Library service is available.
- **Video Conferencing** facility is available in the University campus and can be arranged whenever needed.
- **Campus Management Solution (CMS)** has been successfully operating in the institute.

Faculty of Islamic Studies

INSTITUTE OF ISLAMIC STUDIES

- **Digital Library**
Efforts are being made to convert the Institutional 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 Institute of Islamic Studies web portal "<http://pu.edu.pk/home/department/64/Institute-of-Islamic-Studies>"
- **Development of online admission system:** Yes.



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- **Video Conferencing**
Lecture / Seminar are organized through Video Conferencing
- **Campus Management Solution**
Students Management System (SMS) is used for the admissions, results, classes and accounts related activities.
- **Web Portal**
Information regarding Centre is available on Punjab University Web Portal.
- **Development of online admission system**
Online Admissions for all academic programs are conducted through SMS system for the year 2019. In future all admission will be conducted through online.

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

- **Development of online admission system**
Yes, available under Students Records Management (SRM) University of the Punjab, Lahore.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Campus Management Solution**
Complete record of departmental students has been updated in SRM. Five office staff is continuously working on it.



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

- **PERN: Yes**

- **Video Conferencing: Yes**

- **Web Portal: Yes**

- **Development of online admission system: 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 HIGH ENERGY PHYSICS

- **Video conferencing**
CHEP has Video conferencing facility especially for participation in BESIII Collaboration physics meetings/Collaboration meetings, etc.

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Strengthening Technology Infrastructures**
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

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 <http://pu.edu.pk/home/department/61/College-of-Statistical-and-Actuarial-Sciences>
- **Development of online admission system**
Online admissions have successfully done at the college with collaboration of the University IT Center.

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.

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
- **Development of online admission system:** At University level

Punjab University Jhelum Campus

- **Digital Library:** PUJC library has the access to HEC Digital Library on JSTOR, Emerald, Springer Link and Wiley Online Library & all basic resources is available.
- **PERN:** Punjab University Jhelum Campus has been selected as Aggregation Point of Presence (A-POP) for the connectivity of PERN2 by the HEC. PUJC is utilizing 8 MB of internet bandwidth on PERN2.
- **Campus Management Solution (CMS):** The Campus Management Solution is functioning and the following modules have been used:
 - Student Application Entry
 - Term Activation
 - Student Enrollment
 - Student Grading and Enrollment
 - Student Financials
- **Web Portal:** PUJC.edu.pk
- **Development of online admission system:** Yes
- Library software (MLiMS) OPAC is available for student at PU official web site.

9

Chapter

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 HISTORY & PAKISTAN STUDIES**○ **Department –community interaction**

The aims of the above Academic programs are to produce qualified researchers in the field of history. The students have already started writing the research articles in journals of national and international repute.

○ **Department’s role in building community**

The department has been promoting awareness about Pakistan through observing days of national significance, holding seminars and special lectures throughout academic year.

○ **Alumni Affairs: Outstanding Achievements etc.**

Various students of the department have been placed on civil services of Provincial and National level besides appointments in colleges and University

Faculty of Behavioral & Social Sciences**DEPARTMENT OF GENDER STUDIES**○ **Alumni Affairs: Outstanding Achievements etc.**

“Gender Alliance” is Alumni of the department and has membership of around 425 student graduates.

DEPARTMENT OF SOCIAL WORK○ **University Building Communities**

As a Faculty of Behavioral and Social Sciences, the Department took part in different workshops and seminars organized by Dean, Faculty of Behavioral and Social Sciences in the said year.

INSTITUTE OF SOCIAL & CULTURAL STUDIES○ **Department-community interaction**

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 in March, 2019. 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
 - Institute has encouraged its Alumnus to register themselves as member of Alumni of University of the Punjab, Lahore in general and Institute of Social & Cultural Studies in specific

Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

- **University – Community Interaction**
We have organized interactive and religious culture in our college. We strictly observe discipline.
- **University's Role in Building Community:**
SOPs set by University are strictly observed and implemented. Moral & Ethical values are strictly observed.
- **Alumni Affairs: Outstanding Achievements etc:**
We have recently announced on the college Website the establishment of our Alumni Association and we are hoping to institutionalize its affairs. This effort will be beneficial to all stakeholders.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Department-community interaction**
The Department of Economics successfully engaged economics community in all colleges affiliated with Punjab University by organizing three day curriculum based orientation workshop for the curriculum of BS - Economics program (03 Jan, 2019 – 05 Jan, 2019).

DEPARTMENT OF INFORMATION MANAGEMENT

- **Department-community interaction**
As mentioned above, the Department conducted collaborative workshops for librarians, researchers and faculty staff within and outside the Department.
- **Alumni Affairs: Outstanding Achievements etc.**
Through patronizing alumni association (PUILMAA) and organizing various activities, the Department is playing a pivotal role in bonding the community.



INSTITUTE OF COMMUNICATION STUDIES

○ **Department's role in building community:**

The Institute 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 BUSINESS ADMINISTRATION

○ **Department-community interaction**

Business Incubation Centre (BIC) was handed over to IBA which is a great opportunity for boosting SMEs to help individuals create and nurture small startups at our cell and then become drivers for a strong economic community inside Pakistan.

○ **Department's role in building community**

- IBA in association with HEC and Pink Ribbon Youth Awareness Program arranged a "Pink Ribbon Walk" on October 15, 2019. Aim of the walk was to give awareness of the breast cancer to the community.
- Blood camps for Shaukat Khanum Memorial Cancer Hospital and Research Centre arranged by this institute on 24th January 2019 and 26 September 2019.
- Informative session was organized by College of Earth and Environmental Sciences at Institute of Business Administration on December 16, 2019. Institute of Business Administration believe that getting involved in social activities can help students meet new people with whom they share interests and improve their social skills as a result. Extracurricular activities also help students to expand their network, which is beneficial for finding career opportunities.
- Informative session on "Sensitization of Civic Education" was organized in association with the United Nations Development Programme (UNDP) at IBA on November 11, 2019. UNDP is the United Nations' global development network. It advocates for change and connects countries to knowledge, experience and resources to help people build a better life for themselves. Session was very informative and attractive, students actively participated in this session.



- **Alumni Affairs:** Outstanding Achievements etc.
IBA Alumni Annual Dinner & General Body Meeting was arranged on Saturday February 16, 2019 at Pearl Continental (PC) Hotel, 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**
Students as practitioners serving the field in public and private set up.

Faculty of Engineering & Technology

INSTITUTE OF ENERGY AND ENVIRONMENTAL ENGINEERING

- **Department-Community Interaction:** Department effectively interacts with the community including students' parents, consultants, industrialists and public media persons etc.
- **Department's role in Building Community:** Under the guidelines of National Accountability Bureau (NAB), a characterbuilding society (CBS) has been made which is actively arranging events on different occasions to provide healthy and positive environment to the student. The main objectives of the CBS is to create a resilient environment for the social evils like bribery, nepotism, favoritism, cheating and fraud by building an over mindset which has zero tolerance against these crimes.
- Centre for coal technology is also playing a vital role in community building by providing consultancy and solutions to the local industries, which are switching to coal rapidly. In addition industrial sample testing is provided at convenient rates.
- **Alumni Affairs: Outstanding Achievements etc.** Students employment rate is above

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Department Community interaction**
 - Community interaction with electronic media e.g. Facebook pages
Three pages are active
- **Departments's Role in building Community**



While there is still no consensus on the relationship between human capital and economic growth, Ph.D and M.Phil holders who have accumulated substantial human capital through education, have been identified as “one of the key actors” behind the creation of knowledge-based economic growth. The department thus aims to strengthen academic programs by modernizing undergraduate and postgraduate laboratories of synthesis and processing of Polymers. Enhanced research facilities will increase more post graduate and Ph.D’s in the market which ultimately achieve the goal of development of competitive community. In this respect, the department promoted the exchange of knowledge and proper utilization of technological resources available on nationwide as well as on international grounds and played a key role in development of building community is research, education and well as economical basis.

- **Alumni Affairs: Outstanding Achievements etc.**

Department has started Alumni activities for gathering information of Alumni so that future activities and working of the Alumni office can be carried out.

DEPARTMENT OF METAULLURGY & MATERIALS ENGINEERING

- **Alumni Affairs:** Most 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.

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

- **Department-community interaction**

The Department of Textile Engineering and Technology 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.

- **Department’s role in building community**

The Department of Textile Engineering and Technology 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.**

The Department of Textile Engineering and Technology is new and department will soon launch the MSc and M.Phil. Programmes, currently there is no alumni

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- **Institute-community interaction**

The institute appreciates community interaction activities among the students and faculty. In this regard institute is continuously interacting with the industry as well as international faculty to incorporate and improve new trends and enrich the curriculum.



- **Institution's role in building community**

The institute is actively participating in different bodies constituted under the law to put an impact to improve the quality standards of education and technical requirements for the betterment of community.

- **Alumni affairs:** Outstanding achievements etc.

Alumni office has been established at the institute. The office is building its database for all alumni in the first phase. Alumni of the institute have established a Zakat Fund from which a handsome amount of scholarships is being paid to needy students. The alumni of the institute are serving the industry as well as public sector organizations in various positions. Software has been developed on the faculty of Engineering and Technology level and used for generating merit lists during admission process.

DEPARTMENT OF ELECTRICAL ENGINEERING

- **Alumni Affairs:** Outstanding Achievements etc.

Department of Electrical Engineering has started back in 2005, Around 400 students has been graduated from this department. Lot of graduates are currently working in top government, research and multinational organizations within and outside Pakistan. Moreover our graduates got admissions in world best institutes for postgraduate studies

Faculty of Islamic Studies

INSITUTE OF ISLAMIC STUDIES

- **Department's role in building community:** A constructive role is being played by the faculty and students of the Institute.

- **Alumni Affairs:** Outstanding Achievements etc.

Two gathering of previous students have been arranged.

Faculty of Life Sciences

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Department-Community Interaction**

The Department provides the opportunity to community such as students from colleges, universities and young researchers to visit the Centre and get knowledge related to applications of Molecular Biology.

- **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 evaluated the thesis of MS students of Biotechnology department and conducted Viva Voce examination of Govt College University, Lahore
- Dr. Anjum Nasim Sabri reviewed PSF project proposal and technical reports as an expert.
- Dr. Anjum Nasim Sabri reviewed HEC project proposals as an expert.
- Dr. Anjum Nasim Sabri reviewed international project proposal as expert.
- Dr. Anjum Nasim Sabri member curriculum revision committee in the subject of Botany in Punjab Public service commission.
- Dr. Anjum Nasim Sabri is member of committee for review of NOC for MS/MPhil in HEC.
- Dr. Anjum Nasim Sabri reviewer of international journals.
- Dr. Anjum Nasim Sabri is a member of board of studies , Faculty board life sciences Women university multan
- Dr. Anjum Nasim Sabri is member of board of studies Pharmacy college PU.
- Dr. Abdul Rehman evaluated 01 PhD, 04 MS and 02 B.S. (Hons.) students and conducted Viva Voce examination in GC University, Faisalabad, Mirpur University of Science and Technology, A & J Kashmir and GC University, Lahore.
- Dr. Shafiqur Rehman is the member board of advanced studies, Department of Microbiology, Abbottabad University of Science and Technology.
- Dr. Saba Riaz conducted Viva Voce examination and evaluated the thesis of MS student of University of Lahore
- Dr. Saba Riaz conducted Viva Voce examination and evaluated the thesis of BS, MSc and MS student at Lahore College for Women University, Lahore
- Dr. Mehboob Ahmed evaluated 01 PhD, 05 MS/MPhil and 03 B.S. (Hons.) students and conducted Viva Voce examination in University of Veterinary & Animal Sciences (UVAS), Lahore; Kinnaird College for Women University, Lahore; University of Lahore, Lahore and University of Health Sciences, Lahore.
- Dr. Saira Malik evaluated the thesis and conducted viva voce examination of students at Lahore college for Women University, Lahore
- Dr. Samreen Riaz evaluated the thesis of 4 MS, 2 Msc students and conducted Viva Voce examination of Lahore College for Women University, Lahore.
- Dr. Samreen Riaz evaluated the thesis of MS/BS students and conducted Viva Voce examination of Govt College University, Lahore.
- Dr. Samreen Riaz evaluated the thesis of MS/BS/ Mphil students and conducted Viva Voce examination of University of Veterinary Sciences, Lahore.
- Dr. Samreen Riaz Co-Supervised the thesis of two MS students and conducted Viva Voce examination of CEES College of Earth and Environmental Sciences, University of the Punjab, Lahore.
- Dr. Numan Javed conducted Viva Voce examination and evaluated the thesis of four MS and three PhD students of the University of Veterinary & Animal Sciences (UVAS), Lahore.



- Dr. NumanJaved recorded the course of Immunology to B.Sc (Hons) Biotechnology at Virtual University of Pakistan.
- Ms. AmmaraKhalid Evaluated the thesis of two MS students and conducted Viva Voce examination at IQTM, University of the Punjab
- **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.

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 extension department to promote the recent research and knowledge to the different communities.
 - Annual function was organized every year which produced excellent interaction with the societies.

INSTITUTE OF APPLIED PSYCHOLOGY

- **University-community interaction**
 - Institute of Applied Psychology, University of the Punjab, Lahore collaborated with Drug Free Pakistan Foundation (DFPF) to organize fourth Pakistan Youth Congress in Lahore. The purpose of this congress was to provide life skills to the youth of Pakistan in order to empower them for a better future of the nation. Several students of the Institute participated in this event as well few students were youth mobilizes and were involved in the management of the whole event.
 - To inculcate the sense of volunteerism and responsibility towards community, the Institute of Applied Psychology has included Community work as mandatory part of their degree. Students work on community project in form of small groups under the supervision of a teacher.
- **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.
- **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 300 to 400 patients monthly get benefited from these services.
- 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.
- Quality testing Services
- **Alumni Affairs:** Outstanding Achievements etc.
CAMB has passed out its second batch of 28 students of M.Phil session (2017-19). Out of these, some students got foreign scholarships for Ph.D.

Faculty of Oreintal Learning

DEPARTMENT OF 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 URDU

- Alumni Affaires:** Outstanding Achievements etc
- A big number of Graduates of the Department of Urdu are selected as Lecturer in different colleges & universities during this year.

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 2018
 - Centre for Integrated Mountain Research (CIMR), University of the Punjab, Lahore has celebrated the "International Mountain Day 2018" on December 11, 2018. The theme of this year mountain day was "mountains matter for youth, water, disaster risk reduction, food, indigenous peoples and biodiversity". Prof. Dr. Munawar Sabir, CIMR, give a keynote lecture on the current mountain theme to highlight how uth, water, disaster risk reduction, food, indigenous peoples and biodiversity are affecting highlands/mountains and to ensure sustainable mountain development in the region. At the end cake cutting ceremony and awareness walk was also conducted. Director CIMR Prof. Dr. Munawar Sabir, faculty members and a large number of students participated in the event.



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

The Centre arranges various types of seminars, workshops and lectures for highlighting and solving their issues of field.

○ **Alumni Affairs: Outstanding Achievements etc.**

The Centre recently announced on Centre website to establishment of Alumni association. This effort will be beneficial to all stakeholders.

CENTRE FOR UNDERGRADUATE STUDIES

- The Annual Sports Gala of Centre for Undergraduate Studies was held on 13-14 March 2019. 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 on 15th March 2019 at the Annual Dinner Program. The sports program was a great success and was greatly appreciated by both students and teaching faculty.
- Centre for Undergraduate Studies under the vision of Vice Chancellor has been conducting tutorials in various social and recreational subjects. The students of all disciplines are encouraged to take part in the tutorials and they are given a chance to enhance their various skills. Along with that, CUGS has been involved in conducting various lectures/seminars inviting various prominent speakers/personalities and their details are as follows:
 - Centre for Undergraduate Studies, organized the orientation session to welcome the students of first semester in November, 2018. The students were briefed about the semester rules by Ms. Nida Ahsan whereas the coordinator Dr. NajamulSeharAfshan with other teachers addressed the students and guided them about various matters. The concluding remarks by Director, Centre for Undergraduate Studies, enlightened the students about their code of conduct and expectations from them.
 - Center for Undergraduate Studies arranged a talk by Dr. Thomas Hesse, Deputy Secretary General, Alexander von Humboldt Foundation Germany on 27-03-2019. Prof. Dr. Faheem Aftab welcomed the distinguished guests and participants of the event. Former VC Punjab University, Prof. Emeritus Dr. Khalid Hamid Sheikh presided over the formal proceedings. In his address to the faculty members and research scholars, Dr. Hesse talked about fellowships and research awards that Humboldt Foundation offers.
 - Center for Undergraduate Studies arranged "Two Days Interactive Training Workshop on New Trends in Protein Analysis" on April 24th 2019. The keynote speaker for this event was Emeritus Professor from School of Biological Sciences, Punjab University, Dr. Javed Iqbal whose lecture on "Post Genomic Approaches to Bio Maker Discovery" benefitted the audience. Emeritus Professor Dr. Syed Razi Abbas Shamsi and Acting Director General, School of Biological Sciences, Prof. Dr. Naeem Rashid appreciated the effort of arranging the training workshop. Dean, Faculty of Life Sciences, Prof. Dr. Firdaus-e-Bareen in her talk stressed upon the importance of arranging such workshops and praised the organizers. The inaugural session was followed by hands-on training in protein analysis.



COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

○ **Department-Community Interaction**

The College of Earth and Environmental Sciences is making all sorts of efforts to educate the masses on current environmental issues. On World Environment Day (June 5) awareness programs were arranged at the College. Moreover, the Tree Plantation Campaigns are also launched by the CEES in collaboration with the NCPC, Islamabad.

- **Department's role in building community:** A constructive role is being played by the faculty and students of the College.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

○ **University-community interaction**

College provides expertise and consultancy services in the field of Statistics, Operation Research, Actuaries and Business Management to the various organizations / departments in the country

○ **University role in building community**

- A seminar on Iqbal Day was conducted at the college in which all the students and faculty members participated. Many guests also participated in the seminar from all over the university.
- Centre of Health and Gender Equality for the peace promotion activities under the title of peace for the moral, spiritual and character building phonemes under sports, art, culture, debate and literary societies collaborates with College of Statistical and Actuarial Sciences. This Centre conducts training of the above-mentioned societies for the promotion of peace by conducting mentorship sessions with students and then the students conduct social action projects in the College.
- Pink Ribbon Day was observed for breast cancer awareness in the College.

○ **Alumni Affairs: Outstanding Achievements etc.**

An alumni reunion was organized which provided an opportunity of social networking as well as professional growth of alumni and the college

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.



DEPARTMENT OF GEOGRAPHY

- **Alumni Affairs: Outstanding Achievements etc.**
Old Geography Students Association holds Annual General Body Meeting and Dinner each year from 22 March followed by one day picnic tour to place of Geographical Importance.

DEPARTMENT 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.

10

Chapter

SPORTS

- Inter-Departmental Sports
- Participation in National Championship
- Achievements at National Level
- Incentives and Honours/Awards for Sports Persons





CHAPTER 10

Sports

Department of Sports (Men)

During the session for the year 2018-19 the Punjab University Sports Department (Men), not only conducted Inter-Collegiate sports tournaments in various games and sports, but also selected, trained and managed University Teaching Departments combined teams as well as Punjab University teams for their participation in the University Inter-Collegiate and Inter-University Championships.

The standard and performance of both University Teaching Departments and Punjab University teams had been remarkably praise-worthy. P.U.T.D. got all-round Champions in the University Inter-Collegiate tournaments; Punjab University team also got all-round Runners-up' Position in the Inter-University Championship.

The details of achievements of Punjab University teams in the Inter-University tournaments are as under:

▪ Winner

Sr. No.	Name of Game	Position Secured
1	Athletics	Winner
2	Archery	Winner
3	Football	Winner
4	Badminton	Winner
5	Boxing	Winner
6	Chess	Winner
7	Taekwondo	Winner
8	Squash	Winner
9	Rifle Shooting	Winner
10	Skiing	Winner

▪ Runners-Up

Sr. No.	Name of Game	Position Secured
11	Hockey	Runner-Up
12	Wrestling	Runner-Up
13	Body Building	Runner-Up
14	Kabaddi	Runner-Up
15	Rowing	Runner-Up
16	Tug of War	Runner-Up



17	Cycling	Runner-Up
18	Table Tennis	Runner-Up
19	Weightlifting	Runner-Up
20	Cricket	Runner-Up
21	Judo	Runner-Up
22	Karate	Runner-Up
23	Rugby	Runner-Up
24	Wushu	Runner-Up
25	Water Polo	Runner-Up
26	Baseball	Runner-Up

▪ **Third**

Sr. No.	Name of Game	Position Secured
27	Handball	Third
28	Basketball	Third
29	Mountaineering	Third
30	Gymnastics	Third
31	Volleyball	Third

▪ **Fourth**

Sr. No.	Name of Game	Position Secured
32	Swimming	Fourth
33	Netball	Fourth
34	Tennis	Fourth
35	Ju-jitsu	Fourth

Total	Gold	10
	Silver	16
	Bronze	5
	4th Position	1
	No. Position	2
	No. Organized	1

○ **Inter Department Sports**

In Inter Department Sports Gala the Following Games conducted during the session 2018-19

- Athletics
- Cricket
- Football
- Badminton
- Chess
- Table Tennis
- Tug of War
- Volleyball



In **Inter Collegiate** the Following Games conducted during the session 2018-19

- Athletics
 - Football
 - Badminton
 - Wrestling
 - Hockey
 - Kabaddi
 - Volleyball
 - Chess
 - Archery
 - Table Tennis
 - Tug of War
- List of outstanding **International Players** during session 2018-19.

International Players

Name	Game	Department/College
Maaz Ur Rehman	Football	Sports Sciences
Saqib Nizaam	Football	Akwaan College Barki
Amir Iqbal Gondal	Football	Sociology
Shabaz Tariq	Football	Hailey College B & F
Mustafa Nadeem	Football	Akwaan College Barki
Hassan Goryya	Football	IAS
Uzair Akhtar	Football	IBA
Saad Ali	Football	IBIT
Subaan Asim	Table Tennis	Sports Sciences
Abid Iqbal	Table Tennis	CEES
Abdul Waheed	Table Tennis	Islamic Center
Zaryad Ahmad	Tennis	Akwaan College Barki
M. Uaakeph Khan	Badminton	IER
M Ammar Masood	Badminton	Sports Sciences
M Muqeet Tahir	Badminton	IBA
Tayyab Shafique	Badminton	IAS
Zeeshan Ullah Gul	Squash	Barki College
M. Huassan Raza	Squash	IBA
M. Samiullah Ajmeri	Squash	Barki College
M. Sumaid Rasheed	Squash	Enverimental Sciences
Waleed	Squash	Barki College
M Yasir	Athletics	Sports Sciences
Umar Sadat	Athletics	Fine Art
M. Laeeq Naveed	Athletics	Sports Sciences



Hamaza Mehood But	Basketball	IBA
Dawood Jan	Wushu	Sports Sciences
Haider Ali	Wushu	Sports Sciences
Muntazir Mehdi	Wushu	Sports Sciences
Syed Khalil	Wushu	Barki College
Tahir Rahim	Wushu	Barki College
Liaquat Ali	Wushu	Barki College
Asad Ullah	Wushu	Barki College
Hidayat Ullah	Taekwondo	Gender Study
Jabran Asad Khan	Taekwondo	IQTM
Nomaan	Taekwondo	Barki College
M Zubair	Taekwondo	Gender Study
Mazhar Ali Khan	Taekwondo	IQTM
M Anas	Taekwondo	Sports Sciences
Tanveer Ahmad	Taekwondo	IQTM
Adnan Ahmad	Taekwondo	Barki College
Talha Amin	Taekwondo	Sports Sciences
Noorza Din	Taekwondo	Barki College
Syed Dawood Shah	Taekwondo	Sports Sciences
Amir Dasih Shah	Hockey	Barki College

- List of outstanding **NATIONAL PLAYERS** during session 2018-19.

National Players

Name	Game	Department/College
Amir Sohail	Football	Sports Science
Syed Wjahat Abbas	Football	Shah Hussain College
Waqar Hassan	Football	CIMS
Israr Hussain	Football	Sports Science
M. Umer Arshad	Football	HCBF
Muhammad Zoahib	Table Tennis	Physics
Husain Manzoor	Tennis	Barki College
M. Hashir Farooq	Tennis	CIMS
Hassan Akhtar	Swimming	Engg (Chemical)
Ahmad Mehmood	Swimming	Pharmacy
Azmat Ullah	Swimming	Sports Sciences
M. Farhan Shahid	Swimming	Engg (Chemical)
M. Umar Arshad	Water Polo	Engg (Chemical)
M. Ammar Masood	Water Polo	Sports Sciences
Usama Shafi	Badminton	Sports Sciences
Arif Hussain	Ski	Fine Arts



Tayyar Hussain	Ski	Sports Sciences
Hasnain Hussain	Ski	Barki College
M Harif	Chess	Barki College
Syed Ali Mughees	Chess	PUCIT
Rashad Rafique	Chess	Ikhwar College
M. Uzair	Chess	IBA
M. Mursaleem	Archery	Sports Sciences
Ghulam Dustgheer	Archery	Sports Sciences
Huzran Khan	Athletics	Sports Sciences
Afzaal Ahmad	Athletics	IBIT
M. Amjad	Athletics	Sports Sciences
Saim Hayyat	Cycling	PUCAD
Usama Qayyum	Cycling	Barki College
Taimoor Mehdi	Basketball	Barki College
Ali Iqbal	Basketball	IBA
M. Usman	Basketball	Barki College
Shahzad Gran	Basketball	Barki College
Mohsin Yousaf	Basketball	Barki College
M. Rizwan	Basketball	IER
Umer Saleem	Basketball	Barki College
Daud Patter	Basketball	HCC
Musad Zahid	Shooting	PUCIT
Sarfraz Nawaz	Shooting	Law College
M. Bilal	Shooting	IBIT
Nabeel Ayub Bhatti	Shooting	PUCIT
Mubasher Manzoor	Karate	IBIT
M. Umer Farooq	Karate	Earth & Envi
Tamoor Safdar	Karate	PUCIT
M Azam	Kabaddi	Sports Sciences
M Hasan Hanif	Kabaddi	Barki College
Waqas Munir	Kabaddi	Barki College
Munawar Hussain	Kabaddi	Sports Sciences
M. Rashid	Kabaddi	Sports Sciences
M. Irfan	Kabaddi	Barki College
Abu Safyan	Kabaddi	Barki College
Mahad Riaz	Kabaddi	Barki College
M. Ramzan	Kabaddi	Barki College
Umar Hayat	Kabaddi	Barki College
Amir Sohail	Kabaddi	Barki College
M. Ashfaq	Kabaddi	Barki College



Jaffar Abbas	Kabaddi	Barki College
Aqib Ali	Kabaddi	Barki College
M. Mansoor Arif	Kabaddi	Barki College
Asif Munir	Handball	Gender Study
Hashim Butt	Handball	Sports Sciences
Abdul Waheed	Handball	Islamic Study
M. Ghous Bashir	Wushu	Sports Sciences
Zeeshan Ayoub	Wushu	PUCIT
Mustanser Billah	Wushu	Barki College
Asad Ullah	Wushu	Barki College
Amir Shoail	Wushu	Barki College
M. Waqas	Wushu	Sports Sciences
M. Nouman Altaf	Wushu	Sports Sciences
Qasim Waris	Wushu	Barki College
M. Asad Jalal	Taekwondo	Botany
Kaleem Ullah	Taekwondo	Agri Sci
Danial	Taekwondo	Agri Sci
M. Waqas	Taekwondo	Sports Science
Syed Sajid Nawaz	Taekwondo	Law College

As mentioned on pre page, Inter-Collegiate tournaments in 02 different disciplines were held and member of teams from affiliated Colleges and constituent Institutions participated. The results were as under:-

Games	Winner	Runners-up
Kabaddi	Ikhwan Sc. College, Barki	P.U.T.D.
Athletics	P.U.T.D	Ikhwan Sc. College, Barki
Tug of War	P.U.T.D	Islamia College Civil Line
Football	P.U.T.D	H.C.C
Badminton	P.U.T.D	H.C.C
Wrestling	P.U.T.D	Ikhwan Sc. College, Barki
Volleyball	Nobel	P.U.T.D
Chess	PUCIT	P.U.T.D
Archery	P.U.T.D	Barki College
Table Tennis	P.U.T.D	H.C.C
Hockey	P.U.T.D	Islamia College Civil Line

Punjab University combined Teaching Departments teams were duly selected, their camps training were arranged. Their participation in the University Inter-Collegiate tournaments was ensured. The detail of performance of these teams is given hereunder:-



Apart from arranging/managing, Inter-Department tournaments in Badminton, Hockey, Football, Table Tennis, Basketball, Tug-of-War, Cricket, Chess & Volleyball were conducted in which a large number of student-players of the University Teaching Departments/ Institutes actively and keenly participated. The results and positions obtained by these Departments/Institutes are as such:

Game	Winner	Runners-up
Basketball	I.B.A	Sports Sciences
Football	Sports Sciences	Institute of Social Culture St.
Cricket	Sports Sciences	I.B.A
Chess	Philosophy	I.B.A
Table Tennis	Sports Sciences	Chem. Engg. & Tech
Volleyball	Sports Sciences	Institute of Social Culture St.
Athletics	Sports Sciences	Chem. Engg. & Tech

Sports Sciences won the title of 'All-round Champions' with 28 points while I.B.A. was 'All-round Runners-up' with 11 points.

Furthermore, vast area of playing-fields both at Old and New Campuses, Boat Club, Physical Fitness Centre and New Campus, Swimming Pool are properly looked after, up kept and maintained in a befitting manner.

In brief, the work and performance of Punjab University Sports Department (Men), remained highly satisfactory for the sessions 2017-'18. It is further added that National Games results, Intervarsity and Inter Collegiate are enclosed. List of Students/Players awarded scholarship on the basis of Performance of HEC as well as National levels is also enclosed.

▪ **Which Events organized by University of the Punjab during the Session 2018-19**

- Athletics
- Taekwondo
- Football
- Table Tennis
- Swimming
- Rifle Shooting

▪ **Participated National Championships under the management of University of the Punjab for HEC Teams**

Game	Venue
Athletics	Islamabad
Table Tennis	Lahore
Badminton	Lahore
Taekwondo	Islamabad
Rugby	Lahore



▪ **HEC allotted events for 33rd National Game 2019**

Game	Venue
Taekwondo	Abbattabad

○ **Punjab University Department of Sports (Men)**

▪ Inter-University Result

Gold	10
Silver	16
Bronze	5

▪ Inter-Collegiate

Punjab University Teaching Departments

Gold	8
Silver	3
Bronze	0

▪ Over All Total Medal

Gold	18
Silver	19
Bronze	5

Department of Sports (Women)

▪ **Volleyball**

Date	5-12-2018
Venue:	Punjan University Ground W.W
Participating Teams:	08 Teams
Winner:	PUTDSA.
Runner:	Govt. College for Women, Township, Lahore.
Third:	Govt. College for Women, Shangla Hill.
Fourth:	Govt.College for Women, Shahkot

▪ **Table Tennis**

Date:	12-12-2018
Venue:	Punjab University Gymnasium New Campus
Participating Teams:	08 Teams
Winner:	PUTD.
Runner:	Shibli College for Women,Faisalabad.
Third:	Govt. Islamia College for Women, Lahore.Cantt.
Fourth:	



▪ **Handball**

Date:	03-12-2018
Venue:	Punjan University Ground W.W
Participating Teams:	05 Teams
Winner:	Punjab University Teaching Department.
Runner:	Govt. College for Women, Township, Lahore.
Third :	Himayat-e-Islam Degree College for Women, Lahore.
Fourth:	Govt. College for Women Baghbanpura, Lahore.

▪ **Badminton**

Date:	21-12-2018
Venue:	Punjab University Gymnasium New Campus
Participating Teams:	11 Teams
Winner:	Nobel College For Women Lahore.
Runner:	PUTD.
Third :	Govt. Islamia College for Women, Lahore.Cantt.
Fourth:	G.C.W Nankanasahab.

▪ **Basket ball**

Date:	14-01-2019
Participating Teams:	07 Teams
Winner:	PUTD.
Runner:	Govt. College for Women Home Economics Lahore.
Third:	Govt. College for Women, Township Lahore.

Achievements

- 11th Women's National Ju-Jitsu Championship was held from 29th December, 2016 to 3rd January, 2017 at Nishtar Gymnasium, Lahore.
- 15th National Women's Open Swimming Championship was held from 29-31 July, J2016 at Lahore. Our four players were selected for National Championship. These are Ms. Mahnoor, Ms. Filza Aleem, Ms. Iffrah Atif and Ms. Nazish Saleem.
- 5th National Archery (Men & Women) Championship 2016 was held from 10 to 12 January, 2017 at Peshawar Sports Complex, Peshawar. In the said championship three (3) female players belongs to University of the Punjab, Lahore was selected in HEC Team. Their names are as follows:
- Ms. Zunaira Liaqat, Ms. Rabia Liaqat and Ms. Kashaf Kamran.
- 8th National Women's Judo Championship was held at Islamabad, from 13th to 18th February, 2017. Our three players were selected in HEC team for the participation in said championship. These are Ms. Kanwal Naz, Ms. Naila Bano, and Ms. Kashaf Javed.



- 48th National (Men & Women) Athletics Championship was held at Karachi from 7 – 9th April, 2017. Nine players of Punjab University, Lahore were selected to participate in the said championship. These are: Ms. Naila Bano, Ms. Gulnaz Nasir, Ms. Saba Yousaf, Ms. Syeda Turab Zahra, Ms. Aneela Gulzar, Ms. Safia Ashiq, Ms. Aasia Sattar, Ms. Arzoo Ashraf and Ms. Sehrish Asghar.
- 12th Mohtarma Fatima Jinnah National Women's Cricket Championship was held at Lahore & Muridke from 27th March to 17th April, 2017. Our two cricketers were selected for the said championship these are, Ms. Saima Maqsood and Ms. Masooma Basharat.
- National Women's Volleyball Championship was held at Karachi from 1st September to 4th September, 2016. In the above said Championship, our five players were participated and their names are:
Ms. Rabia Kanwal, Ms. Razia Hanif, Ms. Masooma Basharat, Ms. Fatima Jabeen and Ms. Sadia Baloch.
- 29th National Women's Hockey Championship was held at Islamabad from 05 to 12 August, 2016. In the above championship, our eleven players were selected to participate in the championship. Their names are:
Ms. Rashida Malik, Ms. Mehwish Rafique, Ms. Amina Waqar, Ms. Sidra Hakim, Ms. Ibra Shaik, Ms. Sana Amjad, Ms. Sehrish Waheed, Ms. Rukhsana Shaukat, Ms. Sidra Ashfaq, Ms. Aqsa Ejaz and Ms. Bushra Fareed.

○ **PUTD Scholarships to Players**

PUTDSA is giving Scholarship and Fee Waivers to the outstanding players.

Sr. No.	Name of Player	Game	Month	Amount
1.	Anita Yaseen	HB	2500/-	2,500/-
2.	Aqsa Siddique	Cricket	1500/-	1,500/-
3.	Aqsa Khawar	Chess	1500/-	1,500/-
4.	Barka Lodhi	Basketball	2500/-	2,500/-
5.	Debrah Marten	Basketball	2500/-	2,500/-
6.	Farhana Naz	Wushu	1500/-	1,500/-
7.	Farzana	Athletics	2500/-	2,500/-
8.	Gulnaz Nasir	Baseball	2500/-	2,500/-
9.	Huma Niaz	Cricket	1500/-	1,500/-
10.	Irsa Khawar	Chess	1500/-	1,500/-
11.	Kashaf Kamran	Chess	1500/-	1,500/-
12.	Mahnoor Zahid	Rifle Shooting	2500/-	2,500/-
13.	Misha	Ju-Jitsu, Judo	2000/-	2,000/-
14.	Mah Noor Iftikhar	Rifle Shooting	2500/-	2,500/-
15.	Maryam Shehzad	Cricket	1500/-	1,500/-
16.	Nadia Naseem	Baseball	2500/-	2,500/-
17.	Naila Nazar	Taekwondo	2500/-	2,500/-
18.	Noor Asfia	Taekwondo	1500/-	1,500/-



19.	Naila Zaheer	Handball	2500/-	2,500/-
20.	Nida Shahbaz	Cricket	1500/-	1,500/-
21.	Rabia Tabassum	Taekwondo	2000/-	2,000/-
22.	Roma Shakeel	Athletics	2000/-	2,000/-
23.	Saima Maqsood	Baseball	2500/-	2,500/-
24.	Summiya Farukh	Baseball	2500/-	2,500/-
25.	Saba Tahir	Basketball	2500/-	2,500/-
26.	Sania Arif	Karate	1500/-	1,500/-
27.	Samaviya Akhtar	Baseball, Cricket	2000/-	2,000/-
28.	Shehzeen Javaira	Cricket	1500/-	1,500/-
29.	Sumaira Saeed	Ju-Jitsu	2500/-	2,500/-
30.	Shabana	Athletics	2500/-	2,500/-
31.	Sehar Naz	Cricket	1500/-	1,500/-
32.	Saira Nazim	Cricket	1500/-	1,500/-
33.	Tayiba Gull	Wushu	2500/-	2,500/-
34.	Tahera	Judo	1500/-	1,500/-
35.	Zarish Malik	Karate	1500/-	1,500/-
		Total Rs.		70,500/-

Current Initiatives

- Enhancement of Rental deeds for Pool and Gym.
 - Enhancement of Media Coverage.
 - Syncing with Private Sector for Usage of Sports Facilities to generate revenue for the maintenance of the grounds.
 - Coaches are assigned different colleges to impart training.
 - Incentives introduced for the Teachers / Coaches to be given incentives for referring talented players for admission at PU.
 - Job Description is defined for the staff of women sports department and Games are segregated.
 - Enhancement of rates for Coaches, Players and Technical officials.
 - Purchase of Computers / Printers and fridge for the office.
 - Transport Pool is broadened to provide pick and drop facility to the girl players.
 - PO sent for 2 Suzuki Bolans.
 - Hiring of 2 foreign Coaches in ATHLETICS AND WUSHU.
 - Enhancement of remuneration for players, Coaches and Technical officials.
 - Quarterly News Letter is published highlighting the activities of the department.
 - Web page is to be uploaded shortly.
 - Scholarship criteria is designed and implemented.
 - University color award criteria is developed based on the written recommendations from Coaches / Managers and performance statistics.
 - Free admission, Fee waivers and need based scholarships to be given out of the profit generated through the saving deposits on the roll over plans on the way to self reliance.
 - Associations to get NOC from Punjab University for the release of the players.
 - Department purchase committee is notified.
- Sports Development Plan is submitted for approval of Vice-Chancellor.



▪ Incentives for Teachers

According to the decision of Executive Committee of PUWSC 5000/- Rupees will be paid to the Sports In-charges who participate 5 or more games of Punjab University Inter-Colligate Competitions.

This Year Following Colleges In charges got incentives:

1. Govt. College for Women, Kot Khawaja Sayed Lahore.
2. Govt. Fatima Jinaha Degree College for Women Chuna Mandi.
3. Himayat-e-Islam Degree College Lahore.
4. Queen Marry College. Lahore
5. Govt. Kulya tul Banat College Lahore.

▪ Inter – University Events

Athletics Championship

Date: 10-11-2018

Venue: Punjab Stadium

Position: Winner.

Participates: Aisha Aneeq, Saba Yousaf, Sbeha Ali Akbar, Syeda Turab Zahra, Khalida Andleeb, Aneela Gulzar, Farzana Ismael, Arzoo Ashraf, Sara Mumtaz, Shabana, Ayesha Mubeen, Naila Bano, Kainat Khalid, Nadia Ayesha, Zainab Khan, Shumaila Ahmed, Mafia Parveen, Anila Irshad, Javeria Javaid, Fatima Iftikhar, (University of the Punjab, Lahore)

▪ Table Tennis Championship

Date: 26-11-2018

Venue: Punjab University Gymnasium New Campus

Position: Punjab University Lahore.

Participates:

▪ Hand Ball Championship

Date: 15-12-2018

Venue: University of Agriculture Faisalabad.

Position: Runner Up.

Participates: Hira Anum, Kinza Shafa, Anita Yaseen, Sidra, Qandeel, Mushara, Ayub, Farah Arshad, Anila Kousar, Atteqa, Mafia Parveen, Iram Shahzadi, Shumaila Ahmaed, Laila Kushbu, Asmat Rehmat, (University of the Punjab, Lahore)

▪ Base Ball Championship

Date: 24-012-2018

Venue: Lahore College for Women University Lahore.

Position: Third.



Participates: Sidra, Masooma Basharat, Mehwish Rafiq, Muafia Jamal, Nida Shahbaz, Maryam Shahzad, Saher Naz, Musharaf Ayub, Sumbel, Syeda Farwa Sultana, Lubna, Ayesha Irfan, Shehzeen Jaweria, Gull Feroza, Huma Niaz, Memoona Aziz, (University of the Punjab, Lahore).

▪ Badminton Championship

Date: 02-01-2019

Venue: SBBUP.

Position: Winner.

Participates: Kousar Javed, Aqsa Zakriya, Azmat Ferdous, Khadija, Yasmeen Maqbool. (University of the Punjab, Lahore).

▪ Skiing Championship.

Date: 06-01-2019.

Venue: P.S Base Nalter.

Position: Winner.

Participants: Jiya Ali, Misbha Hina, Umama Wali, Iram Gul, (University of the Punjab, Lahore).

PUWSTC Scholarships to Players

Sr. No.	Name of Player	Game	Amount
1.	Arzoo Ashraf	Athletics, Volleyball, Rowing	10,000/-
2.	Aqsa Zakriya	Badminton	4,000/-
3.	Aneela Gulzar	Athletics,	14,000/-
4.	Asia Tariq	Cycling	10,500/-
5.	Aqsa Ijaz	Hockey	5,500/-
6.	Ansa Ali	Karate	7,000/-
7.	Amine Jabeen	Table Tennis	4,000/-
8.	Asia Munawar	Wushu,	4,000/-
9.	Ayesha Amjad	Karate	8,000/-
10.	Assia Sattar	Athletics HB, BB,	4,000/-
11.	Amber Arshad	Rifle Shooting	3,000/-
12.	Asfa Shehbaz	Tennis, Cricket, Squash	7,500/-
13.	Ayesha Mubeen	Cycling, Rowing	10,000/-
14.	Ayesha Yousaf	Hockey	4,000/-
15.	Ayesha Arbab	Table Tennis	4,000/-
16.	Aqsa Hafeez	Hockey	4,000/-
17.	Aqsa Javed	Hockey	4,000/-
18.	Bushra Farid	Hockey	4,000/-
19.	Filza Aleem	Archery, Rifle Shooting, Swimming	17,000/-
20.	Fatima Jabeen	Table Tennis, Volleyball	7,000/-
21.	Flower Zaheer	Taekwondo	5,500/-
22.	Fatin Waseem	Taekwondo	4,000/-



23.	Fizzah Akhter	Swimming	5,500/-
24.	Gulbreen	Wushu	4,000/-
25.	Hira Anum	Football, Handball	5,500/-
26.	Kosar Javed	Badminton	4,000/-
27.	Kashaf Javed	Judo, Ji-Jtuse, Wushu, Inter National	15,500/-
28.	Kainat Liaqat	Squash	4,000/-
29.	Kinza Shifa	FB, HB,	5,500/-
30.	Kafia Karim	Football, Cricket	4,000/-
31.	Khatija Saif	Wushu	4,000/-
32.	Karishma	Football	4,000/-
33.	Khadija Tanveer	Cycling	4,000/-
34.	Mehwish Rafiq	Hockey, Football, Inter National	8,500/-
35.	Mafia Jamal	Rowing, Baseball, Ju-Jitsu	8,500/-
36.	Munaza Illyas	Tennis, Volleyball	7,000/-
37.	Kafia Karim	Football, Cricket	4,000/-
38.	Khatija Saif	Wushu	4,000/-
39.	Karishma	Football	4,000/-
40.	Khadija Tanveer	Cycling	4,000/-
41.	Khadija Nasir	Badminton	4,000/-
42.	Kainat Bibi	Volleyball	4,000/-
43.	Komal Emmanuual	Wuhu	4,000/-
44.	Laraib Manan	Taekwondo	10,000/-
45.	Mehwish Rafiq	Hockey, Football, Inter National	8,500/-
46.	Mafia Jamal	Rowing, Baseball, Ju-Jitsu	8,500/-
47.	Masoma Basharat	VB, FB, Badminton, Baseball, Cricket	16,000/-
48.	Muniba Khan	Karate	5,500/-
49.	Maheen Babar	Karate	4,500/-
50.	Misbah Hina	Volleyball	4,000/-
51.	Maha Munir	Swimming	5,000/-
52.	Musharaf Ayoub	Football, Baseball, Handball	8,500/-
53.	Maryam Shehzad	Basketball, Cricket	4,500/-
54.	Mehroze Babar	Cycling	7,000/-
55.	Mariyam Nasrullah	Handball, Basketball	3,000/-
56.	Misbah Shabeer	Basketball	4,000/-
57.	Mahrukh	Wushu	4,000/-
58.	Noreena Khalil	Hockey, Tennis, FB, Baseball, Cricket, Squash	15,000/-
59.	Naila Bano	Wushu, Judo, Cycling, Rowing, Volleyball, Cycling	56,500/-
60.	Nida Majeed	Hockey	4,000/-
61.	Nida Shahbaz	Basketball, Cricket	4,500/-
62.	Noor Nobaish	Table Tennis	4,000/-
63.	Qandeel	Basketball, Handball, Netball	4,500/-
64.	Rabia Liaqat	Rowing, Baseball, Cricket, Inter National	16,000/-
65.	Razia Hanif	VB, Rowing, Cycling,	48,500/-
66.	Rabia Kanwal	VB, HB,	5,500/-



67.	Rimsha Ghulam	Football	4,000/-
68.	Rushna Sehar	Judo	4,000/-
69.	Saba Shabbir	Hockey , Handball	5,500/-
70.	Sumaira Yasmeen	Football, Rowing	14,500/-
71.	Sadia Baloch	Volleyball	4,000/-
72.	Shamshad Bano	Football	4,000/-
73.	Sabeeka Kareem	Football	4,000/-
74.	Sidra Hakim	Hockey, FB, Cricket, BB,HB	12,000/-
75.	Saba Yousaf	Athletics	16,000/-
76.	Saima Bota	Hockey	4,000/-
77.	Syeda Umama	Wushu	4,000/-
78.	Sania Arif	Taekwondo, Karate	3,000/-
79.	Safia Ashiq	Athletics	4,000/-
80.	Samaviya Akhtar	Basketball, Cricket	4,500/-
81.	Sara Mumtaz	Athletics	4,000/-
82.	Sumaira Inayat	Football	4,000/-
83.	Sana Rafique	Judo, Wushu, Ju-Jitsu	7,500/-
84.	Sadia Mai	Archery	4,000/-
85.	Saima	Archery	4,000/-
86.	Sana Akhter	Hockey	4,000/-
87.	Shukriya Rasheed	Hockey	4,000/-
88.	Syeda Farwa	Football	4,000/-
89.	Sehar Naz	Basketball, Cricket	4,500/-
90.	Saima Farooq	Table Tennis	4,000/-
91.	Sonia Yaqoob	Basketball, Netball	5,500/-
92.	Turab Zahra	Athletics, Basketball, Rowing	16,500/-
93.	Tahira Burhan	Rifle Shooting	5,500/-
94.	Umaira Shaukat	Cycling, Baseball	5,500/-
95.	Unaiza Nasir	Squash	4,000/-
96.	Urooj Shehzadi	Hockey, BB	4,500/-
97.	Umme Aiman	Football	4,000/-
98.	Yasmin Maqbool	Badminton	4,000/-

Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

○ Inter-departmental sports

Male	Female
13	07



Faculty of Commerce

HAILEY COLLEGE OF BANKING AND FINANCE

○ Inter-Departmental Sports

Our College participated in several Inter-Departmental, Sports activities namely; Cricket, Hockey, Football, Badminton, Table Tennis, Wushu, Kabbadi, Volleyball, Athletics, Cycling, Tackwondo and Rifle Shooting etc. We have achieved greater heights and also won several medals.

○ Participation in National Championships

- Mr. Muhammad Zain Majid – MH19BBA130, Boxer. Participation at National Level.
- Ms. Ayesha Irfan – M18MBA073, Crickter. Participation at 33rd National Games Peshawar in Baseball.
- Ms. Areej Qayyum – MH19BBA133, Riffle Shooting. Participation at 33rd National Games Peshawar in Athletic.
- Mr. Yaseen Khan – MH19BBA134, Athelete. Participation at 33rd National Games Peshawar in Athletic.

○ Achievements at National Level:

Ms. Mahnoor Raza – M17BBA072, Karate.

- 12th National Women Karate Championship Bronze Medalist.
- 33rd National Games Peshawar HEC Bronze Medalist.

Ms. Amna Tariq – M15MBA074, Karate.

- 11th National Women Karate Champion 2 Bronze Medals.
- Participation in 13th National Women Karate Champion.

Ms. Aleena Rasheed Butt – M18BBA074, Basket Ball.

- 33rd National Games Peshawar Bronze Medalist.

Ms. Khadija Tanveer – M17BBA069, Cyclist.

- 34th National Cycling Championship 2 Gold Medals 1 Silver 1 Bronze.
- National Championship Peshawar Gold Medalist Sprint Race.

○ Incentives and Honors / Awards for Sports Persons

As an appreciation we present cash awards, role of honor, shield etc. to outstanding Sports persons.

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

○ Interdepartmental sports

Apart from academics, sports is a regular activity at the University. Every year during the spring season, sports gala is arranged by the different departments of university to encourage the students for their active participation in sports such as: cricket matches,



football, luddo, hockey, table tennis, badminton and chess are organized among students and faculty members.

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

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.

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.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

○ **Interdepartmental sports**

Apart from academics, sports is a regular activity at the Institute. Every year during the spring season, sports gala is arranged by the Institute to encourage the students for their active participation in sports as well. Different sports activities like cricket matches, football, luddo, hockey, table tennis, badminton and chess are organized among students and faculty members.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Sports week is arranged in department on annual basis

○ **Achievements**

BSc IEM Students

- Intersivity Gold Medal (JabranAsad Khan, Mazhar Ali Khan)
- National Championship Silver Medal (JabranAsad Khan)
- National Champion Bronze Medal (Mazhar Ali Khan)
- World Championship Jordan Bronze Medal (JabranAsad Khan)
- Quiad-e-Azam Games Gold Medal (JabranAsad Khan, Mazhar Ali Khan)

○ **Incentives and Honors**

1 Scholarship awarded from PU (Intersivity Taekwondo Championship) and 1 from HEC (National Championship)



Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

○ **Inter-departmental sports**

- The Centre for Clinical Psychology celebrated its sports day on 5th March, 2019. On this occasion Prof. (R) Dr. Rafia Hassan, Founding Director, Centre for Clinical Psychology was the chief guest. The students of MS, ADCP and BS arranged various stalls of Eatables, Jewellery and other accessories. Various kinds of sports events were also arranged by CCP, like Cricket, Badminton, Tug of War. There was a special demonstration of Karate. Students represent the colours of spring by wearing colorful clothes and decorating the stalls. The Students of CCP participated in all games enthusiastically. The students of Living Institute for Slow Lerner (LISL) were also participated in the event. Children and their parents enjoyed a lot. Parents of children were very happy to see the performances of their children.
- The ceremony was concluded with the prize distribution to the participants by the Dr. Saima Dawood, Director, Centre for Clinical Psychology alongwith Chief Guest. She was appreciated the efforts put forward by the faculty, students and staff members for organizing such an energetic event.

NATIONAL CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

○ **Inter-Departmental Sports**

Sports such as Badminton, Cricket matches, Football, Chess, Table Tennis, Luddo matches are organized among students and faculty members.

INSTITUTE OF APPLIED PSYCHOLOGY

○ **Incentives and honours/ awards for sports persons**

As per University policy the students admitted on sports basis are exempted from Semester Fee and Dues as well as hostel charges.

Faculty of Sciences

DEPARTMENT OF GEOGRAPHY

○ **Inter-departmental sports**

- On 14th November, 2018 GIS Day was celebrated at the department of Geography to spread awareness about GIS among students.



- On 31st January, 2019 a seminar on Google Earth Engine was organized for M.Phil and Ph.D. students at the department.
 - On 1st February, 2020 a lecture on remote sensing for land by an expert from forest department, Punjab was organized for the students of the department.
 - In March, 2019 a foreign delegate from Hong Kong visited department and presented students their professional field work.
 - On 25th September, 2019 an orientation session for M.Sc. Part I (Session 2019-2021) was held by the Chairman and faculty of Geography department.
 - 18th – 22nd April, 2019 study field tour was organized for the final year students of B.S. and M.Sc. classes to Islamabad and its surrounding villages for performing demographic survey.
 - In May 2019, the annual photograph of M.Sc. and B.S. students was held at the department.
- **Incentives and honours/ awards for sports persons**
- A number of students who play in the University teams obtained a number of awards.

11

Chapter

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

Directorate of Students Affairs

- Achievements in all pakistan intervarsity co-curricular competitions.

Team Trophies : 19 Nos.

Runners Up Trophies : 02 Nos.

Total Team Trophies : 21 Nos.

Individual Prizes

First Prizes : 91 Nos.

Second Prizes : 48 Nos.

Third Prizes : 22 Nos.

Total Individual Prizes : 161 Nos.

- **Total Trophies + Individual Prizes : 21 + 161 = 182 Nos.**

It is pertinent to mention that students in the co-curricular competitions have also received cash prizes of more than 0.8 million (Rs.8,26,000/-) of PAK rupees.

- **Arrangements and coordination by the directorate of students affairs in various programs and visits.**

The Directorate of Students Affairs with the collaboration of NAB Lahore organized competitions in the university for the Observance & Reporting of the Anti Corruption Awareness Activities – Culmination into Anti Corruption Week 9th December, 2018.

- **The theme of competitions was Character Building and Anti Corruption.**

The details of competitions were as under:

Sr. No.	Name of Competition	Date	Venue
1	Urdu Essay Writing	05-10- 2018	Centre for Undergraduate Studies, Quaid-e-Azam Campus
2	English Essay Writing	05-10- 2018	Centre for Undergraduate Studies, Quaid-e-Azam Campus
3	Poster / Painting Canvas/Poster Size 18" x 23"	08-10- 2018	College of Art & Design, Allama Iqbal Campus
4	Urdu Declamation	09-10- 2018	Directorate of Students Affairs, STC, Quaid-e-Azam Campus
5	English Declamation	10-10- 2018	Directorate of Students Affairs, STC, Quaid-e-Azam Campus



- The Directorate of Students Affairs organized a ceremony for newly admitted students at Faisal Auditorium on Tuesday, the 27th November, 2018. The renowned Pakistani Scientist Dr. Abdul Qadeer Khan was invited as Chief Guest but he could not attend the program due to health issues. The other guests of honors poets Mr. Amjad Islam Amjad, Mr. Mansoor Afaq and Ex-captain Pakistan Cricket Team Mr. Misbah ul Haq addressed the students.
- The Directorate of Students Affairs organized a program on Seerat un Nabi (S.A.A.W) on Tuesday, 04th December, 2018 at New Campus Cricket Ground (Hostel Area). The Eminent Islamic Scholar Mohtram Maulana Tariq Jameel was the Guest Speaker. The program was presided over by the Worthy Vice Chancellor Prof. Dr. Niaz Ahmad Akhtar.
- Nine students of different departments of Punjab University attended the International Students Convention & Expo 2018 organized by Punjab Higher Education Commission at PAK China Friendship Centre Islamabad from 11-12-2018 to 13-12-2018.
- 100 Students attended the cash prize distribution ceremony for position holders students of SSC / HSSC (Annual) Examination, 2018 at Aiwan-e-Iqbal Complex, Lahore on 21-01-2019.
- A follow up session of almost 100 students was arranged at Al-Raazi Hall on 23rd January, 2019 to share their experiences who participated in conference organized by Azm-e-Pakistan at Islamabad.
- The Directorate of Students Affairs organized a program regarding “**Kashmir Day**” on 29th January, 2019 at Faisal Auditorium. Mrs. Mishal Yaseen Malik wife of Great Kashmiri Freedom Fighter, Mr. Yaseen Malik addressed the students, Faculty and Staff of Punjab University as Guest Speaker.
- The Punjab Educational Endowment Fund (PEEF) organized Entrepreneurial Skills Development Training Workshop for the PEEF Scholars of University of the Punjab from 17th to 20th January 2018 at Youth Development Centre, Punjab House, Murree. The Directorate of Students Affairs coordinated the PEEF Scholars to attend the training workshop.
- A Road Safety Program was organized by Pakistan Highway & Motorway Police with the collaboration of Directorate of Students Affairs on 8th February, 2019 at Al-Raazi Hall.
- The Pakistan Red Crescent, Punjab Provincial Branch, Lahore organized Inter University Urdu Declamation Competition with the collaboration of Directorate of Students Affairs at Al-Raazi Hall on 11th February, 2019.
- On the direction of worthy Vice Chancellor, Directorate of Students Affairs arranged Annual Dinner for Foreign Students studying in Punjab University on 12th February, 2019 at Punjab University Club.
- The Punjab Educational Endowment Fund (PEEF), Youth Development Centre, Murree organized Entrepreneurial Skills Development Training Workshop for the PEEF Scholars of University of the Punjab from 22nd to 25th August. 2019 at Youth Development Centre, Punjab House, Murree. The Directorate of Students Affairs coordinated the PEEF Scholars to attend the training workshop.



▪ **This office also deals with the followings**

Online Admissions Guide Book

The Directorate of Students Affairs has been publishing admission guidebook for the information of students seeking admission 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. However for the admission 2019-20, the university authorities decided to complete the admission process through online. To cope with the requirement, Director Students Affairs collected the relevant information from all teaching departments, compiled the same and requested to IT department to upload information for the guidance of students who intend to seek admission in the university.

Admission Trials

- Each year, University of the Punjab enrolls exceptionally talented students on the basis of co-curricular activities. The admission trials are held in various categories such as Qiraat, Naat, Quiz, Essay Writing (English & Urdu), Calligraphy, Debates (English, Urdu, Punjabi and Parliamentary Style), Dramatics, Singing / Music etc and any other category subject to approval of the committee. 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 fifteen hundred applicants appear before the Selection Committee constituted by the Vice Chancellor for admission in the university who are evaluated by distinguished and proficient jury panel. These students, once admitted, are further coached on the platform of DSA to represent the university on regional, national and international forums.
 - Preparation of list of foreign students studying in Punjab University as per information provided by all teaching departments.
 - Preparation of list of students studying in Punjab University other than Punjab province.
 - The Director Students Affairs is the ex-officio Secretary of Discipline Committee. Therefore, this office deals with all disciplinary matters and conducts Discipline / Review Committee meetings.
 - On the directions of worthy Vice-Chancellor, Director Students Affairs established a group of advisor students of all teaching departments for smooth functioning of student's matters.
- Accommodation facility at directorate of students affairs (stc) for faculty members / officials and students who visited lahore for conferences, study tours etc.

Summary Table From

Total Tours	Total Students	Faculty Members / Officials
46	1211	447



▪ **Short list of study tours whose faculty members and students visited Punjab University**

1. Kotli Azad Kashmir
2. Benazir Agriculture Sindh University
3. Ghazali College Ghotki Sindh
4. Cadet College Jafarabad, Quetta
5. Degree College Azad Kashmir
6. Balochistan Residential College Khuzdar
7. Cadet College Panjgur Balochistan
8. Mughal Model Science College Muzaffarabad
9. Batkhela College KPK
10. Business College Abbotabad
11. Chitral University
12. Azad Kashmir University, AJK
13. Jammu Kashmir University
14. Peshawar University
15. Post Graduate College Loralai Balochistan
16. Technical College Mansehra KPK
17. Gawadar Development Authority High Secondary School
18. Khairpur University Medical University Sindh
19. Haripur University
20. Abdul Wali Khan University Mardan
21. Technical College Abbotabad KPK
22. Technical College DG Khan
23. Islamia University Bahawalpur
24. Bonair College KPK
25. Arid Agriculture College Rawalpindi
26. Kohat University KPK
27. University Rawlakot
28. BZU University Multan
29. Turbat College Balochistan
30. Elahi Bux College Balochistan
31. Government Post College Jhang
32. Agriculture College Quetta



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, Chairperson / Associate Professor
 - Looking after administrative affairs of the Department
 - Convener Board of Studies in Social Work, University of the Punjab, Lahore
 - Convener Department Doctoral Program Committee
 - Member Board Faculty of Behavioral and Social Sciences, University of the Punjab, Lahore
 - 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
 - Social Work Expert in Punjab Public Service Commission (Examiner PMS, Panelist PPSC)
 - Convener Department Disciplinary Committee
 - Convener Department Admission Committee
 - Member Global Social Service Workforce Alliance, since 2016.
 - Monitoring and Guiding Social Work Practicum of different groups.
 - Research supervision and teaching to the students of MSc, MPhil & PhD
 - MPhil Examiner at Institute of Social and Cultural Studies, University of the Punjab, Lahore and Department of Social Work, University of Sargodha
 - PhD Examiner at Department of Social Work, University of Peshawar
 - Working as Advisor on a UNICEF project for establishment of Child Protection Case Management System in Balochistan & Gilgit Baltistan
- Ms. Bushra Naheed, Assistant Professor
 - Member Board of Studies, Social Work, Lahore College for Women University, Lahore.
 - Member Board of Social Sciences, Bahauddin Zakariya University, Multan
 - Member Board of Studies, Social Work, University of Sargodha, Sargodha.
 - Coordinator MSc Social Work Replica Program
 - Member, Admission Committee, Examination Committee, Scholarship Committee, Department of Social Work, University of the Punjab, Lahore.
 - Monitoring and Guiding Social Work Practicum of different groups.



- Ms. Sonia Omer, Assistant Professor
 - Member Senate, University of the Punjab, Lahore.
 - Member Academic Council, University of the Punjab, Lahore.
- Mr. Muhammad Arsahad, Assistant Professor
 - Coordinator BS 4-Years Program in Social Work, University of the Punjab, Lahore.
 - Secretary, Committee for Evaluation of Research Projects, University of the Punjab, Lahore
 - Member, Board of Studies in Social Work, University of the Punjab, Lahore
 - Member Board of Studies in Child Rights Department, University of Lahore.
 - Member, Admission Committee, Examination Committee, Scholarship Committee, Department of Social Work, University of the Punjab, Lahore.
 - Departmental Focal Person for implementation of MOU and coordination with Community World Service-Asia.
 - Monitoring and Guiding Social Work Practicum of different groups.
 - Research supervision and teaching to the students of MSc
 - MPhil, MSc and BS Examiner at Center of South Asian Studies, University of the Punjab and Institute of Social and Cultural Studies, University of the Punjab, Lahore.
 - Conducted Trainings of Social Welfare Officers and NGOs on Child Rights, Community Development, Social Mobilization, Report Writing etc under Social Welfare Training Institute, Township Lahore.
 - Conducted Lectures/Trainings of Jail/Prison Staff on Role of Social Workers in Rehabilitation of Offenders under National Academy for Prison Administration (NAPA).
- **Student Leadership**
 - Under the MoU between University of the Punjab and Community World Service-Asia, Mr. Muhammad Arshad, Student of M.Sc. Social Work, session 2017-2019 visited Kathmandu, Nepal to present our culture.
 - Under the MoU between University of the Punjab and Community World Service-Asia, Students of Social Work Department attended Capacity Building Workshops at Murree in August, 2019 for Strengthening Democracy through Youth Leadership Program.
 - Under the MoU between University of the Punjab and Community World Service-Asia, 11 Students of Social Work Department alongwith faculty member Mr. Muhammad Arshad attended "First National Summer School Social Work, at Bara Gal Summer Campus, University of Peshawar, Abbottabad from 19-21 August, 2019

Faculty of Commerce

HAIELY COLLEGE OF BANKING AND FINANCE

- **Student Leadership (Co-curricular Activities: University Drams, Exhibitions, Expos, Competitions, Debates at National and International Levels:**
 Several societies exist in our College and throughout the year Exhibitions, Competitions, and Debates were arranged by them to actively involve the students and to help develop leadership in them. This institutionalized effort has been very helpful.



Faculty of Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

○ **Faculty Leadership**

- Prof. Dr. Khalid Mahmood is selected as president of the Punjab chapter of Pakistan Library Association (national professional body)
- Prof. Dr. Kanwal Ameen is a member of National Testing Service and HEC Curriculum Committee on LIS.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

○ **Student Leadership**

Nominated two students Mr. Ismail Ishaq & Miss UmmyZetoon for Championship of debates at national and international levels.

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING AND TECHNOLOGY

○ **Faculty leadership**

- Most of faculty members are members of different committees formulated by 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

○ **Student leadership**

Every year different workshops and trainings were arranged by the Department to develop the leadership qualities among students.

INSTITUTE OF CHEMICAL ENGINEERING AND 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**
 - Organized Mental Health Day on 10th October, 2018
 - Celebrated Iqbal Day on 9th November, 2018
 - Arranged Mehfil e Milad Un Nabi on 21st November, 2018
 - Organized its annual sports day on 5th March, 2019
 - Pakistan Day was celebrated on 23rd March, 2019
 - Celebrated Independence Day on 14th August, 2019

Faculty of Sciences

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.

12

Chapter

FINANCE

- Annual Statement of Accounts
- Financial Year at a Glance
- Development Budget
- Recurring Budget
- Self-Generated Income
- Trend of Per Student Spending




CHAPTER
12

Finance

ANNUAL STATEMENT OF ACCOUNTS

	Rupees in million	
Annual Statement of Accounts		Attached
Financial year at a glance		Attached
Development Budget		156.844
Recurring Budget		7,498.321
Self-generated Income		5,007.332
SAP related activities		No activities
	2017-18	2018-19
Trend of per student spending	170,905	186,273

Summary of Income

		Rs. in Million	
Sr. No.	Income Head	Revised 2018-19	Actual 2018-19
1	GOVERNMENT GRANTS	2,639.680	2,629.618
2	EXAMINATION FEES	2,657.200	2,656.776
3	REGISTRATION / DEGREE / AFFILIATION FEE	890.000	807.697
4	FACULTY OF BEHAVIORAL & SOCIAL SCIENCES	59.618	48.899
5	FACULTY OF ECO. & MANAGEMENT SCIENCES	88.103	86.583
6	FACULTY OF ARTS & HUMANITIES	29.720	24.923
7	FACULTY OF SCIENCE	133.471	120.185
8	FACULTY OF LIFE SCIENCES	67.454	59.802
9	FACULTY OF ENGG. & TECH.	39.833	38.828
10	FACULTY OF PHARMACY	28.685	29.238



11	FACULTY OF LAW	15.124	10.288
12	FACULTY OF COMMERCE	50.522	48.887
13	FACULTY OF ORIENTAL LEARNING	6.607	4.885
14	FACULTY OF ISLAMIC STUDIES	11.971	9.961
15	FACULTY OF EDUCATION	3.149	3.392
16	GUJRANWALA CAMPUSES	41.343	20.937
17	JHELUM CAMPUS	14.731	10.092
18	FACULTY OF HEALTH SCIENCES	2.000	2.764
19	SKILL DEVELOPMENT CENTRE	3.700	3.918
20	FOREIGN STUDENTS	21.000	19.369
21	HOSTELS ADMISSION FEE & ROOM RENT	9.500	9.651
22	RENTS COLLECTION	68.900	75.803
23	PUBLICATION	57.600	46.313
24	UTILITY CHARGES (RECOVERY)	313.000	353.883
25	INCOME FROM QUAID-E-AZAM CAMPUS	57.700	56.136
26	ENDOWMENT FUNDS INCOME	298.720	291.961
27	MISCELLANEOUS INCOME	86.000	166.161
	Total Income for the Year	7,695.331	7,636.950

▪ Summary Of Expenditure

Faculty Code	Faculty Name	Rs. in Million	
		Revised 2018-19	Actual 2018-19
01	GENERAL ADMINISTRATION	423.964	421.796
02	DEPARTMENT OF EXAMINATIONS	971.915	965.752
03	FACULTY OF BEHAVIORAL & SOCIAL SCIENCES	159.405	164.838
04	FACULTY OF ECO. & MANAGEMENT SCIENCES	203.231	206.455



05	FACULTY OF ARTS & HUMANITIES	189.174	194.422
06	FACULTY OF SCIENCE	666.517	690.010
07	FACULTY OF LIFE SCIENCES	386.046	394.730
08	FACULTY OF ENGINEERING & TECHNOLOGY	226.121	234.946
09	FACULTY OF PHARMACY	87.252	91.423
10	FACULTY OF LAW	94.752	99.275
11	FACULTY OF COMMERCE	146.532	154.537
12	FACULTY OF ORIENTAL LEARNING	151.316	160.093
13	FACULTY OF ISLAMIC STUDIES	70.232	73.611
14	FACULTY OF EDUCATION	58.238	59.334
15	SUB CAMPUSES	123.858	126.375
16	FACULTY OF HEALTH SCIENCES	203.782	202.807
17	IMPROVEMENT OF EDUCATION	486.893	459.009
18	SPORTS & GAMES	38.037	38.369
19	UNIVERSITY HOSTELS	127.012	127.600
20	DEPARTMENT OF PRESS & PUBLICATION	58.283	56.185
21	CAMPUS CORPORATION	314.038	300.409
22	MAINTENANCE OF LAND & GARDEN	202.973	204.130
23	ENGINEERING DEPT. & MAINT. OF BUILDINGS	292.098	281.190
24	UTILITY CHARGES	436.000	430.447
26	MISCELLANEOUS	100.231	90.857
27	STUDENTS BENEFITS	150.996	181.172
28	PENSION & EMPLOYEES BENEFITS	1,321.930	1,245.393
	TOTAL EXPENDITURE FOR THE YEAR:	7,690.826	7,655.165



○ **Finance year at Glance**

	DESCRIPTION	Revised 2018-19	Actual 2018-19
	INCOME		
(1)	Grant from H.E.C. (Recurring)	2,687.847	2,590.391
	Grant to be transferred to I.E.R. & CAMB	198.697	198.697
	Grant for the year (P.U. Share)	2,391.694	2,391.694
	Grant for Tenure Track System	150.530	140.468
	Need based Scholarships (H.E.C.)	97.456	97.456
	Total Grants	2,639.680	2,629.618
(2)	Income from Own Sources		
	Examinations	2,657.200	2,656.776
	Registration / Degree / Affiliation	890.000	807.697
	Fee from Regular Students	252.622	191.101
	Fee from Self Supporting Students	343.409	332.481
	Fee from Foreign Students	21.000	19.369
	Endowment Funds	298.720	291.961
	Other Sources	592.700	707.947
	Total Own Sources :	5,055.651	5,007.332
	Total Income (1 + 2):	7,695.331	7,636.950
(3)	EXPENDITURE		
	Pay & Regular Allowances	3,261.645	3,370.042
	Benefits & Facilities	1,367.031	1,344.706
	Pension etc.	1,202.090	1,147.326
	Conduct & Remuneration of Examination	520.900	516.286
	Utility Charges	579.157	557.777
	Research	48.911	42.528
	Scholarships (Faculty / Students)	207.664	202.206
	Other Operating Expenditure	337.274	317.450
	Development Expenditure	166.154	156.844
	Total Expenditure:	7,690.826	7,655.165

13

Chapter

UNIVERSITY GOVERNANCE

- Heads of Administrative Departments
- Syndicate Meetings
- Academic Council Meetings
- Board of Advanced Studies Meetings




CHAPTER
13

University Governance

UNIVERSITY GOVERNANCE

Chief Executives

Chancellor	Ch. Muhammad Sarwar
Pro Chancellor	Raja Yassir Humayun Sarfraz
Vice Chancellor	Prof. Dr. Niaz Ahmad Akhtar
Pro Vice Chancellor	Prof. Dr. Muhammad Saleem Mazhar

Deans

Sr #	Faculty	Employee Name	Date of Appointment
1	Faculty of Commerce	Prof. Dr. Mubbsher Munawar Khan	12/06/2018
2	Faculty of Behavioral and Social Science	Prof. Dr. Umbreen Javed	28/11/2018
3	Faculty of Life Sciences	Prof. Dr. Firdaus -E-Bareen	03/12/2018
4	Faculty of Education	Prof. Dr. Abid Hussain Ch.	04/02/2019
5	Faculty of Islamic Studies	Prof. Dr. Muhammad Hammad Lakhvi	13/02/2019
6	Faculty of Science	Prof. Dr. Muhammad Sharif	02/04/2019
7	Faculty of Pharmacy	Prof. Dr. Nadeem Irfan Bukhari	20/08/2019
8	Faculty of Economics and Management Sciences	Prof. Dr. Khalid Mahmood	04/12/2019
9	Faculty of Arts and Humanities	Prof. Dr. Amra Raza	12/03/2020
10	Faculty of Engineering & Technology	Vacant	
11	Faculty of Oriental Learning	Vacant	
12	Faculty of Law	Vacant	
13	Faculty of Health Sciences	Vacant	



Director

Sr #	Department Name	Employee Name	Date of Appointment
1	South Asian Studies	Prof. Dr. Umbreen Javed	08/02/2011
2	Institute Of Education & Research	Prof. Dr. Rafaqat Ali Akbar	21/03/2017
3	Center For High Energy Physics	Prof. Dr. Bilal Masood	30/05/2017
4	Institute Of Chemical Engineering & Technology	Prof. Dr. Abdullah Khan Durrani	24/11/2017
5	Centre For Clinical Psychology	Dr. Saima Dawood Khan	06/03/2018
6	Integrated Mountain Research Centre	Prof. Dr. Munawar Sabir	13/08/2018
7	Institute Of Social And Cultural Studies	Prof. Dr. Rubeena Zakar	16/08/2018
8	Director, School Physical Sciences	Prof. Dr. Farah Kanwal	17/09/2018
9	Institute of Chemistry	Prof. Dr. Muhammad Abdul Qadir	25/09/2018
10	Sheikh Zayed Islamic Centre	Prof. Dr. Muhammad Ijaz	23/08/2019
11	Institute Of Bio-Chemistry & Bio-Technology	Prof. Dr. Zahoor Qadir Samra	28/10/2019
12	Institute Of Communication Studies	Prof. Dr. Nosheena Saleem	04/01/2020
13	Institute Of Islamic Studies	Prof. Dr. Muhammad Saad Siddiqui	04/01/2020
14	Centre For Excellence In Molecular Biology	Prof. Dr. Ahmad Ali Shahid	03/02/2020
15	Institute Of Applied Psychology	Dr. Rafia Rafiq	10/03/2020
16	Institute Of Geology	Prof. Dr. Naveed Ahsan	10/03/2020
17	Institute Of Agricultural Sciences	Prof. Dr. Muhammad Saleem Haider	14/03/2020
18	Pak Study Centre	Prof. Dr. Amra Raza	28/04/2020
19	Institute Of Quality & Technology Management	Dr. Muhammad Usman Awan	16/08/2018
20	Institute of Energy & Environmental Engineering	Prof. Dr. Mahmood Saleem	10/12/2018
21	Centre for Solid State Physics	Dr. Saira Riaz	07/09/2018



Chairman/Chairperson

Sr #	Department Name	Employee Name	Date of Appointment
1	Department Of Zoology	Prof. Dr. Javed Iqbal Qazi	02/04/2018
2	Department Of Information Management	Prof. Dr. Khalid Mahmood	25/05/2018
3	Department Of Economics	Prof. Dr. Mumtaz Anwar Ch.	28/06/2018
4	Department Of Urdu	Prof. Dr. Zahid Munir Khan Amir	01/07/2018
5	Department Of Metallurgy & Materials Engineering	Prof. Dr. Abdus Salam	01/07/2018
6	Department Of Kashmiriyat	Prof. Dr. Muhammad Saleem Mazhar	14/07/2018
7	Department Of Polymer Engineering	Prof. Dr. Rafi Ullah Khan	14/07/2018
8	Department Of Physics	Prof. Dr. Mahmood Ul Hassan	15/07/2018
9	Department Of Geography	Prof. Dr. Safdar Ali Sherazi	13/08/2018
10	Textile Engineering & Technology	Dr. Javed Ashraf Awan	26/09/2018
11	Sports Sciences & Physical Education	Dr. Muhammad Zafar Iqbal Butt	24/11/2018
12	Department Of Mathematics	Prof. Dr. Malik Zawwar Hussain	28/10/2019
13	Department Of Persian	Prof. Dr. Muhammad Nasir	28/10/2019
14	Department Of Urdu Encyclopedia Of Islam	Dr. Muhammad Arshad	28/10/2019
15	Department Of Archaeology	Dr. Muhammad Hameed	04/01/2020
16	Microbiology & Molecular Genetics	Prof. Dr. Sikandar Sultan	04/01/2020
17	Department Of History	Prof. Dr. Mahboob Hussain	20/01/2020
18	Department Of Botany	Prof. Dr. Faheem Aftab	04/06/2020
19	Department Of Arabic	Prof. Dr. Khaliq Dad Malik	22/03/2020
20	Department Of Electrical Engineering	Prof. Dr. Muhammad Azhar Naeem	05/06/2020
21	Department Of Space Science	Prof. Dr. Syed Amer Mahmood	05/06/2020
22	Department Of Punjabi	Prof. Dr. Nabila Rehman	16/08/2017
23	Department Of English Language & Literature	Prof. Dr. Amra Raza	01/10/2017
24	Department Of Political Science	Prof. Dr. Iram Khalid	28/10/2019
25	Department Of Gender Studies	Dr. Raana Malik	28/10/2019
26	Department Of Special Education	Dr. Humara Bano	04/01/2020
27	Department Of Social Work	Prof. Dr. Syeda Mehnaz Akhtar Naqvi	10/03/2020
28	Urdu Development Committee	Prof. Dr. Muhammad Kamran	20/07/2018

**Principal**

Sr #	Department Name	Employee Name	Date of Appointment
1	Punjab University Law College	Prof. Dr. Shazia Naureen Qureshi	18/04/2017
2	College Of Art & Design	Prof. Dr. Shahida Manzoor	08/08/2017
3	Hailey College Of Commerce	Prof. Dr. Hassan Mobeen Alam	10/08/2017
4	College Of Earth & Environmental Science	Prof. Dr. Sajid Rashid Ahmad	03/08/2018
5	College Of Statistical & Actuarial Sciences	Dr. Sohail Chand	28/10/2019
6	University Oriental College	Prof. Dr. Syed Muhammad Qamar Ali	28/10/2019
7	University College Of Pharmacy	Prof. Dr. Khalid Hussain	04/01/2020
8	Hailey College Of Banking & Finance	Prof. Dr. Mubbsher Munawar Khan	07/03/2020
9	College of Engineering & Emerging Technologies	Vacant	

Director General/Administrator

1	School Of Biological Sciences	Prof. Dr. Naeem Rashid	22/05/2017
2	University of The Punjab, Gujranwala Campus	Prof. Dr. Sayyid Salman Rizavi	10/03/2020
3	University of The Punjab, Jhelum Campus	Dr. Muhammad Mudasar Ghafoor	15/03/2017
4	Geographical Information Center	Prof. Dr. Shahid Ghazi	18/02/2019

**Incharge**

Sr #	Department Name	Employee Name	Date of Appointment
1	Sughra Begum Centre For Education Policy And Development	Vacant	
2	Career Counseling & Placement Centre	Dr. Abdul Qayyum Chaudhry	17/04/2015
3	Dr. Faqir Muhammad Faqir Chair	Prof. Dr. Naveed Ahmad Shahzad	12/02/2018
4	Seerat Chair	Dr. Shahida Perveen	07/06/2018
5	Center For Applied Molecular Biology	Dr. Aleena Sumrin	21/06/2018
6	Institute Of Languages	Mr. Ashok Kamar Khatri	14/07/2018
7	Pu College Of Information Technology	Dr. Muhammad Arif Butt	10/12/2018
8	Department Of Hindi	Miss. Shabnam Riaz	26/04/2019
9	Firdousi Chair	Prof. Dr. Sayyid Muhammad Fareed	14/05/2019
10	Dr. Faqir Muhammad Faqir Chair	Dr. Asma Qadri	04/09/2019
11	Dr. M. Hamid Ullah Chair	Prof. Dr. Muhammad Abdullah	04/09/2019
12	Baba Farid Gunj Shakar Chair	Dr. Hafiz Naveed Shahzad	04/09/2019
13	Human Rights Chair	Prof. Dr. Bushra H. Rehman	04/09/2019
14	Rumi Chair	Dr. Muhammad Sabir	04/09/2019
15	Iqbal Studies Chair	Vacant	
16	Moulana Zafar Ali Khan Chair	Dr. Savera Shami	04/09/2019
17	Institute Of Business Administration	Dr. Labiba Sheikh	28/10/2019
18	Institute Of Business & Information Technology	Mr. Muhammad Saleem Raza	28/10/2019
19	Institute Of Admin. Sciences	Dr. Kashif Rathore	28/10/2019
20	Department of Philosophy	Mr. Shahid Mahmood Gul	24/12/2018
20	Department of French	Dr. Saleha Nazeer	29/01/2010



Heads of Administrative Departments

1. Vice-Chancellor	Prof. Dr. Niaz Ahmad Akhtar (08.06.2018 to date)
2. Pro-Vice-Chancellor	Prof. Dr. Muhammad Saleem Mazhar (05.07.2019 to date)
3. Registrar	Dr. Muhammad Khalid Khan Acting Registrar (2018 - 2019) (On regular basis from 21.10.2019 to date)
4. Treasurer	Rao Muhammad Tahir Rafique Acting Treasurer (Additional assignment from 14.03.2018 to date)
5. Controller of Examinations	Mr. Muhammad Rauf Nawaz Acting Controller (2018 - 2019) (On Regular basis 21.10.2019 to date)
6. Chief Librarians	Dr. Muhammad Haroon Usmani (19.10.2017 to date)
7. Chief Medical Officer	(i) Dr. Tehseen Zamir Ali Deputy Chief Medical Officer (Additional assignment from 29.12.2015 to to 19.05.2019) (ii) Dr. Muhammad Akram Deputy Chief Medical Officer (Additional assignment from 20.05.2019 to date)
8. Chairman, Hall Council	Prof. Dr. Abid Hussain Ch. Chairman, Department of Secondary Education (IER) (Additional assignment from 09.05.2018 to date)
9. Director, Directorate of Student Affairs	Dr. Asmatullah Associate Professor Department of Zoology (Additional assignment from 18.08.2018 to 09.01.2020)



10. Resident Officer-I	(i)	Mr. Jaleel Tariq Acting Resident Officer-I (Additional assignment from 31.08.2018 to 17.11.2019)
	(ii)	Col. (R) Umer Khalid (18.11.2019 to date)
11. Resident Officer-II	(i)	Malik Muhammad Zaheer (14.10.2000 to 31.10.2019)
	(ii)	Mr. Jaleel Tariq (01.11.2019 to date)
12. Chief Engineer		Mr. Faiz ul Hassan Sipra Acting Chief Engineer (Additional assignment from 10.04.2018 to date)
13. Director, P&D Wing	(i)	Rao Muhammad Tahir Rafique Additional Treasurer (Additional assignment from 01.06.2018 to 03.09.2019)
	(ii)	Prof. Dr. Hafiz M. Anwaar Asghar Institute of Chemical Engineering & Technology (Additional assignment from 04.09.2019 to date)
14. Director, Press & Publications		Mr. Amjad Pervez Assistant Professor, College of Art & Design (Additional assignment from 2018 - 2019)
15. Director, I.T. Centre		Mr. Imran Qureshi (2018 - 2019)
16. Director, Public Relations		Vacant
17. Director, Directorate of External Linkages	(i)	Prof. Dr. Kanwal Ameen Department of Information Management (Additional assignment from 23.07.2018 to 31.05.2019)
	(ii)	Dr. Sobia Khurram Assistant Professor, Institute of Admin. Sciences (Additional assignment from 05.11.2019 to date)



18. Public Relations Officer

Mr. Khurram Shahzad
(2018 - 2019)

19. Resident Auditor

Mr. Muhammad Zafar Iqbal
Government of the Punjab, Finance Department
Town Accounts Officer, TMA, Samnabad Town
Lahore. (on deputation from 2018 - 2019)

Meetings of Various Bodies of the University

The detail of meetings of various bodies of the University of the Punjab conducted by the Academic Branch from 1st October, 2018 to 30th September, 2019 are as under:-

Sr. No.	Statutory Body	No. of Meetings	Date
1.	Senate	02	21-02-2019 19-08-2019
2.	Syndicate	04	24.11.2018 12.01.2019 04.05.2019 29.06.2019
3.	Academic Council	05	20-12-2018 29-05-2019 21-06-2019 08-07-2019 23-07-2019
4.	Advanced Studies & Research Board	13	03-10-2018 29-10-2018 29-11-2018 07-01-2019 22-01-2019 07-02-2019 26-02-2019 26-03-2019 29-04-2019 20-06-2019 05-08-2019 30-08-2019 05-09-2019



Meetings of Various Bodies of the University

Selection Boards

25 meetings of the Selection Board were held during the period (1st October 2018 to 30th September 2019). The detail of the appointments is as under:-

Professor	Associate Professor	Assistant Professor	Lecturer	Non-Teaching (BS-17 & above)	Total
16	31	51	38	19	155

OFFICE OF RESOURCE GENERATION/DEVELOPMENT

14

Chapter

- Initiatives and implementation
- Future plans



**CHAPTER****14****Office of Resource Generation/Development****Office of Resource Generation/Development**

Planning & Development (P&D) Wing is responsible for planning, monitoring and controlling of all development projects. This Wing has been flourishing under the tutelage of Rao Muhammad Tahir (Acting Director) and now is under the directorship of Prof. Dr. Hafiz. M. Anwaar Asghar. This office coordinates with various departments of University for monitoring and evaluation of all development projects funded by both Federal and Provincial Government. It also collects and compiles Statistical Data related to the University as and when required by the different organs of the Federal & Provincial Government. The progress of the P&D wing for the year 2018-19 is summarized as below:

In the year 2018-19, the P&D Wing monitored four (4) ongoing federally funded projects as per following details:

Ongoing Projects Funded by Federal Government (HEC)

Sr.No.	Name of the Project	Total Cost (Rs. in Million)
1	Prepared and Submitted PC-IV to HEC against the Project Titled "Capacity Building and Upgradation of Selected Departments, University of the Punjab, Lahore".	745.603
2	Strengthening of Academic and Research Programs at University of the Punjab, Lahore.	976.530
3	National Centre for Artificial Intelligence.	1098.387 (Capital Cost)
4	Prepared and submitted PC-IV to Accounts Branch, PU for vetting of Expenditures against the Project Titled "Strengthening of Laboratories of Departments of; Biochemistry & Biotechnology, Chemistry, Botany, Zoology, Space Science and Geology".	39.842

In the year 2018-19, P&D Wing has submitted a proposal to Higher Education Commission, Islamabad for one (1) new Project to be included in Public Sector Development Program (PSDP) 2019-20 as per following details:



Sr.No.	Name of the Project	Total Cost (Rs. in Million)
1	Establishment, Strengthening & Modernization of R&D, Academic and General Facilities at University of the Punjab.	1486

Assignments/Tasks Accomplished in the Year 2018-19

Sr.No.	Name of Assignment/Task
1	Collection of Annual Statistical Data for the Academic year 2018-19.
2	Higher Education Statistics for the year 2018-19.
3	Prime Minister's Electric Wheel Chair Scheme for Disabled Students of University of the Punjab.
4	Preparation of Annual Report for the year 2015-16 and 2016-17.
5	Collection of Data for Annual Report for the year 2017-18.
6	Preparation of Executive Telephone Directory 2019-20.

Other Ongoing Projects

Sr. No.	Name of Project
1	Application for "Grant for Repair and Maintenance of Scientific Equipment's" has been submitted to HEC.
2	PC-I for "Establishment of Department of Natural Medicine at University of the Punjab, Lahore" has been submitted to HEC.
3	PC-I for "Upgradation of Department of Economics as School of Economics, University of the Punjab, Lahore" has been submitted to HEC.
4	"Policy documents on Energy and Commerce" have been submitted to Vice Chancellor, UoP for onward transmission to Federal Government.
5	Proposal for "Transformation of Higher Education Institutions through Smart Classrooms" has been submitted to HEC.
6	Following two (2) Proposals on "Internet of Things (IoT)s" have been submitted to Prof. Dr. Atta-ur-Rahman(FRS), Vice Chairman, Prime Minister's Task Force for Knowledge Based Economy: <ul style="list-style-type: none"> i. Next Generation Smart Textile Products (Development and Commercialization), at Department of Textile Engineering, University of the Punjab. ii. IDAS: IoT Data Analytics as a Service at Punjab University College of Information Technology.

Future Projects

Sr. No.	Name of Project
1	Preparation of PC-I for Public Sector Development Program (PSDP) 2020-21.
2	Establishment of Sub Campus, University of the Punjab, Lahore at Samundri, District Faisalabad.

HEALTH CENTRE & MEDICAL FACILITIES

- Medical Facilities available
- Counseling for Stress Reduction

15

Chapter



**CHAPTER****15****Health Centre & Medical Facilities****Health Centre / Medical Facilities**

Punjab University Health Centre is providing medical cover to about 1153 teachers, 6650 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 outdoor clinic of the University Health Centre is about 300 patients. We are providing general medication to the chronic disease Patients since April 2019. A fully equipped Emergency Centre is functioning round the clock. A Part-time Radiologist provides his services from 9.00 a.m. to 12.00 noon. 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 Hostel female patients from 2.00 p.m. to 8.00 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.

This year 132 patients were provided comprehensive Cardiac treatment at Punjab Institute of Cardiology. Similarly 35 patients were referred to Shaukat Khanum Memorial Cancer Hospital for treatment of Malignant diseases.

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.

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.

80 to 90 patients including students, employees visit to the Laboratory for different tests. After getting admission in the University, 4920 students have visited the Health Centre this year for Hepatitis screening. Out of which 22 students turned out HBS-Ag positive and 65 HCV positive. Eighty Eight patients (74 Employees + 14 Students) received treatment for Hepatitis-B and Hepatitis-C from the Health Centre.

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 without any cost.

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 P.U. Health Centre started to provide medical cover to the **'parents'** residing with the employees and wholly dependent on them.

We have also conducted the Dengue awareness session in which lecture was delivered regarding the concerned material and elaborated the precautionary measures. Leaflets and posters were being distributed to create awareness among the University population. We are also coordinating with the Higher Education Department, Government of the Punjab, about Dengue prevention and we deliver a weekly report about activities conducted by the Dengue Control Team of the Punjab University constituted by the Vice-Chancellor. Breast Cancer campaign has also been conducted. Data of about 12000/- for drug abuse students have been collected and report sent to the concerned authority.

All the 281 newly appointed teachers and employees reported to the Health Centre for medical check up. They were examined medically and clinically. After thorough examination they were issued medical fitness certificates.

Student Counseling & Assessment Services was established in 2005 by Institute of Applied Psychology, University of the Punjab and since 2009 it has been functioning on the premises of University Health Centre under the patronage of the worthy Vice Chancellor.



The counseling services are offered for Punjab University Students. The main objectives of these services are to support and guide students having problems in the areas of academics, social or emotional adjustment or any serious psychiatric problem. Since 2009 up till 2013 almost 265 students have availed counseling services. Thus in 2014 the figure raised above 350 enrolled students and uptill now it has been around 500 who have been provided psychological help on the basis of one to one counseling session and have shown good prognosis. Thus other students have availed simple guidance and assessment services on the basis of self-referral or in special cases referral by the competent authority. Counseling services is a joint venture of SCAS and Health Centre as in severe cases Psychiatric help is also provided by the doctors in Health Centre along with psychotherapy. All University students are eligible to receive counseling services at the SCAS free of cost.

P.U Health Centre is striving and putting its efforts pertaining to amelioration of the Patients. P.U. Health Centre is forming different scenarios to facile the patients in medical examinations, pharmaceutical medical examinations, and is amassment of medicines as well. Its prestige pertaining to its systematic approaches.

Centre for Clinical Psychology

○ Counseling for stress reduction

▪ Clinical Services

The Centre for Clinical Psychology provides Clinical Services for Diagnosis and Management of Psychological Disorders for Children and Adults. Clinical Internee (MS & ADCP) see the clients to fulfill their academic requirement under supervision of faculty members.

- **Neuro Developmental Disorders:** Autism, Attention Deficit and Hyperactivity Disorder, Intellectual Disability, Learning Disability etc.
- **Emotional and Behavior Disorders:** Conduct Disorder, Impulse Control Disorder, Opposition Defiant Disorder.
- **Psychological Disorders:** Depression, Anxiety, Schizophrenia, Eating Disorders, Sleep Disorders, Substance Related Disorders, Sexual Disorders, Somatoform Disorders.
- **Counselling Services:** Academic and Career Counselling, Adjustment Issues, Family and Personal Matters, Emotional Issues, Improving Social Behaviors and Thinking Patterns.

▪ Assessment and Diagnostic Services

The Centre also provides Assessment Facilities which include:

- Diagnostic Testing for Psychological Disorders
- Intelligence Testing
- Aptitude Testing
- Neuropsychological Testing
- Personality Testing



- **Trauma Centre**

Trauma Centre provides immediate and extensive services to those individuals who have experienced any kind of trauma (natural disaster, man-made disasters, and other traumatic events like accidents; loss of loved one etc.) to manage their Post Traumatic Stress Symptoms as well as Post Traumatic Stress Disorder.

- **Speech Services**

Centre for Clinical Psychology (CCP), University of the Punjab, Lahore is providing Consultation Services to clients with speech related issues with the aim to enhance the clinical skills of trainee students. Centre provides speech and language therapy services to clients both children and adults, having Hearing Impairment; Cleft Lip and Palate; Stroke, Head Injury; Brain Tumors; Autistic Spectrum Disorders; Voice Disorders; Speech and Language Delay, Stammering, and others caused by any pathology.

- Consultation services of Speech and Language Pathology
- Delayed speech and language, Articulation, Stammering, Voice Disorder etc).
- Assessment Services for Clinical (Intelligence Testing; Aptitude Testing ; Psycho - Diagnostic Testing ; Neuropsychological Testing; Ability Testing; and Personality Testing) and Language related issues.

**FACILITIES OF THE UNIVERSITY
& IMPROVEMENTS**

16

Chapter



**CHAPTER****16****Facilities of the University & Improvements****Facilities of the University & Improvements****HUMAN RESOURCE BRANCH**

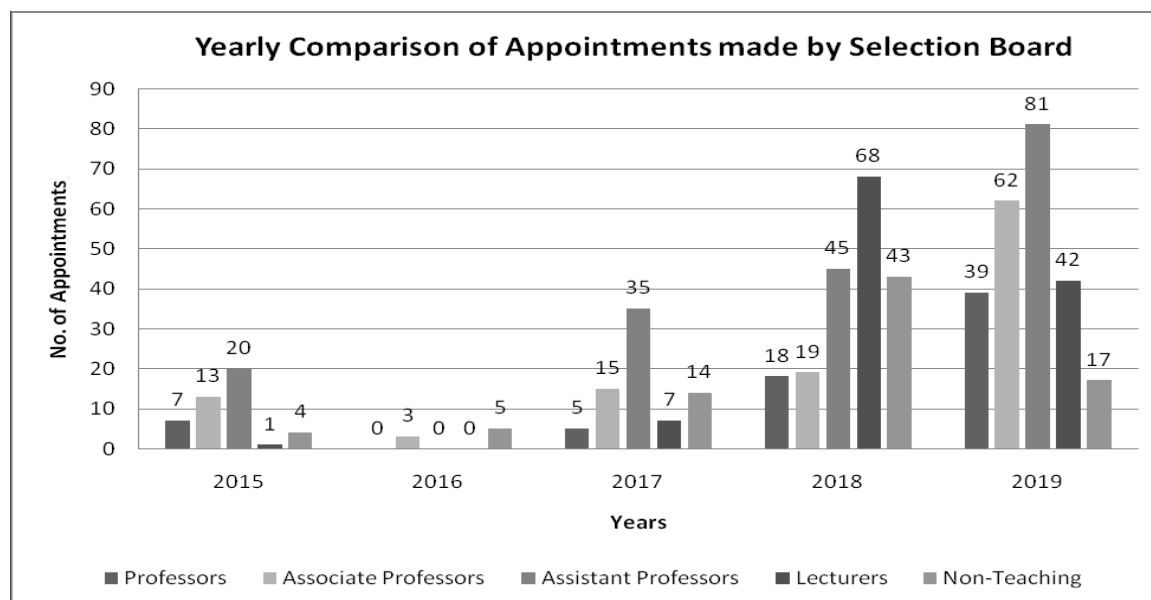
Human Resources Branch was established in October 2008 in order to streamline the appointment procedure of teaching faculty/administrative staff. Following are major functions of the Branch:-

- Publishing of advertisements
- Receiving/processing applications
- Conduction the Selection Boards
- Issuance of appointment orders

Till to time, 29 advertisements for appointment of teaching faculty and administrative posts (BS-17 & above) have been floated in the print media. Against these advertisements, 28,117 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, 244 meetings of the Selection Board have been conducted. The breakup of the appointments made by the Selection Boards in the last five years is as under:-



AFFILIATION BRANCH

Affiliation Branch, 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 sector 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 visits of Affiliation Committee to these colleges, preparation of proceeding of visits of Affiliations Committee and then issuance of office 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 01.10.2018 to 30.09.2019 is outlined in the tabular form below:

Sr.	Task	for the year
1	Total colleges visited	399
2	Fresh Affiliation granted	16
3	Fresh affiliation not granted	66
4	Addition / extension / increase in intake granted	336
5	Addition / extension / increase in intake not granted	01
6	De-affiliation / withdrawal of affiliation / suspension of	42

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. 28119 & 29733 letters, complaints were entered in the Diary Register and were disposed off accordingly. E-mail accounts were handled. Arrangement of Monitoring of Examination Centers of B.A/B.Sc., M.A/M.Sc., Commerce and Law etc. were made. Monitoring team of University Teachers were constituted and daily visit program of Examination Centers for those 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. Inquiries 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 Additional Controller of Examinations as well. Daily dak and public inquiries relating to exams, results and degrees problems are also dealt within the personal section. 400 Ph.D. thesis were received and 600 Thesis were sent for evaluation. 180 letters and reminders were dispatched to M.S., M.D. & M.D.S. thesis examinations. 24023 & 261578 degrees were signed by the Controller of Examinations, 150 thesis were sent to HEC for record. 900 remuneration bills of Ph.D thesis examination evaluation were processed.

Server Room & General Section

This section dealt lot of matters related 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, matters of Convocations, arrangements of local purchase committee meeting, 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 roper counting by the deputed person.

In short, this section provides technical and non-technical support to all the sections working under Controller of Examinations.

In order to make examinations online, 15MB dedicated link was purchased and deployed. This will enable department for online form submission in future. Camera networking is further expended and 107 nos. of cameras were installed not only to strengthen security aspect but also monitoring of critical section is enhanced.

Furthermore troubleshooting of equipments, 2000 to 2200 queries were dealt as of installation of windows, software and hardware. The vendors were contacted in time for claiming warranties and repair. Two R730 Servers were purchased and deployed to improve network infrastructure of department. Firewall was installed to secure the examinations department data. Work is under process to make online form submission active.



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 800

Exams (Theory + Practical) in a year. The degree wise working of the Branch is being summarized as under:-

▪ Secrecy Branch

Sr #	Period	Theory Exams	Practical Exams	Written Centres	Practical Centres	Q/Paper Packets	DI's	RI's	Supt s	Adl. Supts	Invig.	Ans. Books Theory	Ans. Books Practical	Foreign Exams
1	01 st October 2018 to 30 th September 2019	446	275	874	726	97500	117	623	874	874	6992	1972217	232000	97

• B.A./B.SC. SCRIPT SECTION

During the period of 1st October 2018 to 30th September, 2019 the B.A. / B.Sc. script section arranged the following exams: -

B.A. / B.Sc. Supplementary 2018

- Part-I : 107-Local Centers/Mufassil Centers
- Part-II : 98-LocalCenters/Mufassil/Centers

B.A. / B.Sc. Annual Examination 2019

- Part-I: 376-Local/Mofussil/Centers
- Part-II : 312-Local/Mofussil Centers

B.A. / B.Sc. Practical Supply Examinations 2018 and Annual 2019

Practical : 893-Local/Mofussil Centers

The result of B.A. / B.Sc. Supplementary Examination 2018 was declared on **30-01-2019**. The result of B.A. / B.Sc. Annual Examination 2019 was declared on **31-07-2019**.

▪ M.A./M.Sc. Section

The result of M.A. / M.Sc. Part-I & II Supplementary Examinations 2018 were declared in April 2019. The results of M.A./M.Sc. Part-I and Part-II Annual Examination 2019 in all subjects have been declared and 1700 R.L. cases were also cleared in a very short period. M.A./M.Sc. Part-I Annual Examination 2019 in 31 different subjects at 228 local and Mofussil examination centers was conducted in the month of June/July 2019. Furthermore, M.A./M.Sc. Part-II in 31 different subjects was also conducted at 228 local and Mofussil examination centers in the month of June/July 2019. 39-Special Examinations (Urdu, Political Science, Islamic Studies, Arabic, Economies, Islamic Studies, English & History, Math. etc.) of M.A. Annual Examinations 2018 & Supply 2017 were held in Kuwait, U.K.,



K.S.A, Jeddah, Medina, Doha, Belgium, Behren, Oman, London, and (U.A.E). Their results have been declared.

▪ **Professional Section**

About 110 Professional Examinations of different diplomas, certificates, etc., in the fields of Medical, Engineering, Commerce, Home Economics, Pharmacy, B.S. 4 Years Program, M. Com, M.B.A. etc. were held during 1st October 2018 to September 2019. In addition to these examinations B.Ed., B.S.Ed. (2nd & 3rd Prof.), Diploma in Physical Education, M.Ed. Elementary / Secondary/General, M.Ed. Visual Impairment were also conducted in October, 2018 and February, March 2019 and their results have been declared. Scripts were received from examination centers, processed and were dispatched to examiners for marking. Marked scripts were kept in the section. About 12625 R.L. and R.F.C. cases and 120 different other cases pertaining to above mentioned examinations and about 500 Re-checking cases were settled during this period.

▪ **B.Com. & Law Scripts Section**

It is pointed out that central marking of B.Com. Part-I and B.Com. Part-II Supplementary 2018 & B.Com. Part-I & II Annual Examination 2019 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 2018 and B. Com Part I, and II Annual Examination 2019 have been declared well in time. Central marking of LLB Part-I, II&III Supplementary Examination 2018 and LLB Part I, II&III Annual Examination 2019 was also conducted in the new building of Admin Block, University of the Punjab, Lahore. B.Com Part-I supplementary 2018, 05 R.L. Cases R.F.C 543 & 48 Re-checking cases. B.Com Part-II Supplementary 2018 03 R.L. Cases R.F.C. 569 & 113 Re-checking cases. LLB Part-I, II& III Supplementary 2018, 26 R.L. Cases R.F.C. 438 & 82 Re-checking cases. B. Com Part I Annual 2019 519 R.L Cases. R.F.C 1907 & 58 Re-checking cases. B.Com Part II Annual

2019. 13 R.L Cases R.F.C 3018 & 123 Re-checking cases. LLB Part I, II, & III and LL.B. 5-year Annual 2019 31 RL. Cases R.F.C 1717 & 220 Re-checking cases.

▪ **Dispatch and Receipt Section**

During the above-mentioned period, the Diary & Dispatch Section received and dispatched bundles of different exams and received the counterfoils of all exams. The details are as under:

Received Bundles from Local and Mofussil Centers

- B.A. / B.Sc. **8000-Bundles**
- M.A./ M.Sc., B. Com, B.S., D-Pharm, H.Eco., B.S.Ed. **9000-Bundles** & all Professional

Dispatch packets to the Examiners in different exams.

- 31201- Packets/Bundles



▪ Re-Checking Section

Detail of Re-checking cases received and processed during the period from October 2018 to September 2019 is given below: -

B.A./B.Sc. cases:	1079
M.A./M.Sc. & Professional	<u>945</u>
Total:	2024

Note: All the cases have been disposed off.

▪ Secrecy Section-II & III

This section deals 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 sought from 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 examinations in local and abroad as well. Thereafter, preparation of remuneration, T.A. / D.A. and 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 was also dealt i.e. M.B.A. B.B.A. B. ComPart-I, II LL.B. LL. B (03 Years) Part-I, II, III, LL.B. (05 Years) Part-I, II, III. During the period 1st October, 2018 to September 2019, approximately 25000 examiners and 7000 paper setters were appointed to fulfill 357 examinations.

▪ Anti Unfairmeans Section

During the specific period from 1st October 2018 to 30th September 2019, total 3074 unfair means cases were registered and resolved, the detail is as under: -

- B.A. / B.Sc. 2219
- M.A. / M.Sc. 544
- All Professional Exams. 311

External & Computer Degree Section

Progress Report for the period from 01-10-2018 to 30-09-2019

Detail		No. of Degrees
1.	B.A (Small Degree)	518
	B.A (Large Degree)	66730
2.	B.Sc. (Small Degree)	150
	B.Sc. (Large Degree)	16645



3.	M.A (Small Degree)	168
	M.A (Large Degree)	49615
4.	M.Sc. (Small Degree)	18
	M.Sc. (Large Degree)	3644
5.	B.Com (Small Degree)	253
	B.Com (Large Degree)	42171
6.	LL.B (Small Degree)	67
	LL.B (Large Degree)	7663
7.	Manual/Professional Degree (Old Pattern)	3048
	Manual/Professional Degree (New Pattern)	26038
Total Degrees		216728

Section No. 1

	No. of Verification	No. of Verification	No. of Departmental Verification	No. of Departmental Verification	Total
	V1	PV1	R	PBV	
Total Cases	920	415	3192	1182	5709
Issued Cases	903	408	3127	1180	5618
Objection	17	7	65	2	91

Progress Report B.A/B.Sc., M.A/M.Sc, B.Com/LLB, B.Ed/MBBS, and All Professional Exams from October 01, 2018 to September 30, 2019.

Degree	F2	PF2	A2	PA2	Total Cases
Received Cases	240	80	900	152	1372
Issued Cases	210	75	880	50	1215
Under process	30	5	20	2	57
Objected	30	5	20	2	57

Degree Ver	V2	PV2	R.NO.	PBR Cases	Total Cases
Received Cases	450	380	1450	3500	5780
Issued Cases	435	360	1390	1200	3385
Objected	15	20	60	2300	2395

Degree	F1	PF1	A1	PA1	Total Cases
Received Cases	1280	80	840	80	2280
Issued Cases	1250	75	835	78	2238
Under process	30	5	5	2	42
Objected	30	5	5	2	42

**Section No. 3****Verification/Degree/DMC Report (01-10-2018 to 30-09-2019)**

	No. of Verification	Deptt Verification	Bar Association	Original Degree without Fee	Duplicate Degree & D.M.C etc	Total
By Hand	4391			12522	2802	19715
By Post	3203	15771	23537	6883	1397	50791
Total	7594	15771	23537	19405	4199	70506

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 2018, Annual Examination 2019.

Session	Appeared Candidates in Examination	
	Part-I	Part-II
S/18	31125	24028
A/19	119230	86618
Total Appeared Candidates	261001	

Total Candidates appeared for the Year (2018-2019) are 261001. The declaration of results were made within stipulated time successfully.

B.A/B.Sc Section (Computer Inquiry)

This Section dealt with the complaints of the candidates relating B.A/B.Sc. Examinations total 6706 cases of B.A/B.Sc Part-I & Part-II were received and processed.

B.Com/LL.B Hall & B.Com/LL.B Computer Section

Exams Session	Quantities	
B.Com-I A/18	25000	Exam and Result
B.Com-II A.18	22500	
B.Com-I, II		
B.Com-II S/18	12500	Degree Validation
B.Com-I, II		
B.Com-I A/19	22000	Exam and Result
B.Com-II A/19	19500	Exam and Result
B.Com-I, II		
LLB-I A/18	6000	Exam and Result



LLB-II	A/18	3000	Exam and Result
LLB-III	A/18	3000	Exam and Result-Degree validation
LLB-I	S/18	2500	Exam and Result
LLB-II	S/18	2000	Exam and Result
LLB-III	S/18	2000	Exam and Result
LLB-I	A/19	4000	Exam and Result
LLB-II	A/19	5000	Exam and Result
LLB-III	A/19	5000	Exam and Result

Special exams A/2018 and S/2018

Exams	Session	Quantities	
B.Com-I Doha	A/18	20	Exam and Result
B.Com-II Doha	A/18	16	Exam and Result
B.Com-I Riyadh	A/18	06	Exam and Result
B.Com-II Riyadh	A/18	20	Exam and Result
B.Com-I Jeddah	A/18	35	Exam and Result
B.Com-II Jeddah	A/18	25	Exam and Result
B.Com-I Kawait	A/18	50	Exam and Result
B.Com-II Kawait	A/18	52	Exam and Result
LL.B -III Jeddah	S/18		01 Exam and Result
LL.B -III Jeddah	S/17		01 Exam and Result
LL.B -I Madina Manwarah	S/18		02 Exam and Result
LL.B -II Madina Manwarah	S/18		03 Exam and Result

M.A / M.Sc. (Computer Section / Tabulation Section)

The M.A. /M.Sc. Part-I & Part-II Supplementary Examinations 2018 were held in February/March 2019 and results were declared in April/May 2019. Result Cards were dispatched accordingly. 9607 candidates appeared in Part-I and 10629 candidates appeared in Part-II Supplementary Examination 2018. R.L. Cases were also cleared within very short period of time.

The M.A. /M.Sc. Part-I & Part-II Annual Examinations, 2019 were held in June/July 2019 and results will be expected to declare in November & December 2019. 52768 candidates appeared in Part-I and 40273 candidates appeared in Part-II Annual Examination 2019. 539 candidates choose thesis for M.A. /M.Sc. Part-II Annual Examinations 2019.



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 2018-19.

- 2, 80,000 Admission forms of various examinations were go prepared by the University Press.
- Admission forms were handed over to the college concerned, according to their demands.
- Admission forms of different examinations were issued to the candidates by hand free of cost.
- About 5, 40,000 admissions forms of different examinations were received from the candidates individually, by hand by post and from the colleges.
- After checking, the admissions forms were entered in the relevant registers to maintain proper record and thereafter arranged category-wise.
- After having affixed serial number on admission forms of each examination, these were delivered to the Sections Concerned/Computer Section according to the Schedule.
- Incomplete admission forms of the candidates of each examination which were received by post were rejected and returned to them under registered post.
- 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 121 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 1-10-18 to 30-9-19. 89 Writ Petitions have been decided and the remaining are still pending in the above-mentioned Courts of Law. Similarly, 51 complaints were received from the office of the Provincial Ombudsman out of which 47 cases have been decided and the decisions of remaining complaints are still awaited from the Provincial Ombudsman.

▪ **Awards 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 2018-19, the sealed envelopes containing total No. 14402 Award Lists were received from the examiners of the various Examinations. These Awards Lists were checked/entered and delivered to the section In-charges 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. 2127 cases were received by hand.

Information Cell

4179 cases of M.A/M.Sc. were received and processed; only 3 cases are under process up till now. 4260 cases of B.Com/LL.B Exams. Were received and processed, 01 case is under process. Hundreds of duplicate roll number slips were also issued to the candidates.

Facilitation Office / Room & Counter 12

The staff of facilitation centre has to provide information and deal with a large number's of inquiry relating to BA/B.Sc, B.Com, LL.B, MA/M.Sc & Professional examinations etc. Furthermore, staff of facilitation centre also receive from related to original degree, duplicate degree, detail marks sheet & verification forms etc.

Professional Computer Section

This section dealt with the results of all the Professional Computerized examinations. During the stipulated period 94 different examinations were conducted for 12025 candidates.

Total 101 results were declared 14475 candidates were declared pass.

BS Computer Section

This section dealt with the results of semester system examinations. During the stipulated period 2018-2019, different examinations were conducted for 48841 candidates.

Total 61 results were declared, 33393 out of 34535 candidates were declared pass.

Professional Hall

It is submitted that this section deals with all the Professional Examinations running under semester and annual system. In 77 result notifications of Undergraduate programs, total 3725 candidates appeared, in 73 result notifications of Master degree program, total 2435 candidates were appeared & in 100 result notifications of MS/M.Phil. programs total 2586 candidates were appeared.



DEPARTMENT OF PRESS & PUBLICATIONS

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 documents, 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 2018 to September 2019 as following.

Sr.	Departments	Description	Quantity
1.	Controller of Examinations, Earth & Environmental Sciences, Department of Economics, College of Statics, Hailey College of Commerce, Institute of Chemical, Jehlum Campus, Law College, Institute of Biochemistry & Biotechnology, Department of Social & Cultural Studies, Faculty of Engineering & Technology, Centre for High Energy Physics, Sheikh Zayed Islamic Centre, Gujranwala Campus, Institute of Communication Studies, Hailey College of Banking & Finance, Department of Botany, Department of Geography, Department of Philosophy, Institute of Business Administrator, Institute of Quality & Management, Department of Pharmacy	Answer Books	13,55,500
2.	Institute of Chemical Engineering, Department of Botany, Department of Geography, College of Earth & Environmental Sciences, Department of Statics Hailey Collage of Banking & Finance, Department of Law Collage Faculty of Engineering & Technology,	Extra Sheets	88,000



3.	Controller of Examinations, Department of Special Education Shaheen Commercial Collage Kasure, Jehlum Campus, Department of Pol. Science, Skills Development Center TEVTA	Degree / Diploma/ Certificates/ Transcripts	1,70,350
4.	Controller of Examinations	Result Cards	49,900
5.	Controller of Examinations, Treasurer Office, Director Alumni, CMO, Law Collage, PUEHS, Institute of Education & Research, External Linkages, Govt, Technical Training Institute for Women, Govt. Vocational Instt. Sheikupura, c/o SabirHussain.	Admission Forms/ All types of forms	5,02,705
6.	Controller of Examinations, Deputy Registrar (Acad), Information Technology University.	Title/ Agenda/ Gazette/ Annual Report, Progress Report/ Project Report	6,204
7.	Baltistan University, Pharmacy, Collage of Art & Design, Govt. Vocational Institute Shekupura	Prospectuses	3,100
8.	All Teaching & Non-teaching Staff of Punjab University	Visiting Cards	17,650
9.	Faculty of Islamic Studies, Department of Persian, Faculty of Oriental Learning, Department of Information Management, Oriental College, Department of Geography, Hajveri Chair, Department of Iqbalayat, Department of Zoology, Centre for Clinical Psychology, Institute of Applied Psychology, Institute of Education Research, Department of Political Sciences, Department of Philosophy, Department of Mathematics, Centre for South Asian Studies, Department of English, Department of Urdu, Department of Kashmiryat, Institute of Communication Studies, Institute of Administrative Sciences, ShiekhZayed Islamic Centre, Urdu Development Committee, Department of History & pak Studies, Pakistan Research Society, Department of Economics, College of Statics.	Research Journals	8,945
10.	Alumni Association, Chairman Admission Committee, Treasurer, Hajveri Chair, UKARA University, South Asian Studies, Department of Urdu, C/o Director Press, TEVTA Town Ship, C/o Shah Nawaz Zaidi, Department of Islamic Studies, Department of Agricultural Sciences, Department of Punjabi, Urdu Development Committee, Kashmiryat, Chief Librarian, Dr. Mujahid Kamran, C/o Madam Rahat (CAD).	Books	10,400



11.	Vice Chancellor, Controller of Examinations, Registrar Office, Deputy Registrar – I, Resident Office – II, Gujranwala Campus, Oriental College, Doctoral Program, Coordination Committee, Centre for Clinical Psychology, Punjab Arts Council, College of Pharmacy, C/o Raja Munawar, P & D cell, Hailey College of Banking & Finance, Jehlum Campus, College of Art & Design, Officers Association, Institute of Administrative Science, Centre for Applied & Molecular Biology, Department of Sports, College of Statics, Faculty of Commerce,	Envelopes	1,68,570
12.	Vice Chancellor Office, Department of Punjabi, Hailey Collage of Banking & Finance, Earth & Envirmental Sciences, ASA, Institute of Business Administrator Department of English.	News Letters	5,050
13.	Controller of Examinations, Directorate of Almni, Registrar Office, VC Office, Alumni Association, Punjab University Employees Housing Society.	Posters, Stickers & Hall map	16,750
14.	Controller of Examinations, Registrar Office, Treasurer Office, Department of Philosophy, Oriental Collage, Department of Art & Design, Transport wing, Department of Pharmacy, TECTA Town Ship, Textile Engineering & Tech., ASA, TEVTA Kamal Ganj, C/o Ajmal Sb., C/o Tayyabljaz Khan, C/o RizwanElahi,	Brochures, Pamphlet & booklet	1,72,175
15.	Registrar Office, Alumni Association	Fact Books	1,250
16.	Registrar Office	Speeches	9,000
17.	VC Office, Director Alumni, Treasurer, R. O.-I, Controller of Examination, Chief Security Officer, Registrar, University Health Centre, Vice Chancellor Office, Controller of Examinations, Girls Hostel No. 5, Department of Clinical Pscology, University Club, C/o RizwanElahi, ASA, Engineering & Emerging Tech., Electrical Engineering, C/o Waqas (Jr Binder)	Receipts, Slips, Ballot Paper	69,683
18.	R.O-I, Gymnasium Hall,	Tickets, Security stickers	5,000
19.	Treasurer Office, Controller of Examinations, Department of Physics, Baltistan University, OKARA University, Department of Statistics, Engineering Department.	Registers for various kinds	1,443
20.	Vice Chancellor Office, University Health Centre, Controller of Examinations, Deputy Registrar (General), Registrar Office, Chief Security Office, Faculty of Health Sciences, Gujranwala Campus, Space Sciences, Faculty of Engineering & Technology, Doctor\ ProgramCoordination, Chief Librarian, Institute of Social & Cultural Studies, Hostel Islamic Centre,	Letter Pads	1,31,380



	Centre for High Energy Physics, Department of Physics, Hailey College of Banking & Finance, Institute of Chemical & Technology, Department of Sports, Department of Arabic, Department of Sports for Women, Department of Physics, College of Pharmacy, Department of Zoology, Boys Hostel No. 19, Hostel No. 10, Department of Mosques, College of Earth & Environmental Sciences, Institute of Business Administration, Academic Staff Association, Department of Management Sciences, Department of Political Science, Department of Statics, Boys Hostel No. 4, Faculty of Oriental Learning, Department of Persian, Department of French, Centre for Applied & Molecular Biology, Ex-CMO, Institute of Geology, C/o Dr. Mahboob Hussain, Department External Linkages, Directorate of Students Affairs, Centre for High Energy Physics, Department of Geography, ORIC, Faculty of Commerce, Department of Economics.		
21.	Vice Chancellor Office, Registrar Office, Treasurer Office, Controller of Examination, Gujranwala Campus, Department of Economics, School of Physical Sciences, Hailey Collage of Commerce, PUEHS, Hailey Collage of Banking & Finance, External Linkages, CEES, Collage of Pharmacy, Department of Physics, Information Technology University, CGIS, Jehlum Campus, Hostel No. 10, Department of Botany, Faculty of Oriental Learning, Department of Islamic Studies, Department of Zoology, Clinical Psychology, Department of Archeology,	Files Covers	1,20,125
22.	VC office, Controller of Examinations, Registrar Office, University Club, P.A To R.A, Department of Geography, Girls Hostel No 5, Institute of Administrative Sciences, Baltistan University, MMG, Center for South Asian Studies, IQTM, C/o Rizwan Elahi, ASA, C/o Dr Niaz Ahmad VC , Star Electronic Center, Lab High School IER, Electrical Engg, Day care Center,	Students Card, Class Cards, Library Cards, Book Pockets Bill books & Teacher Cards.	3,15,600
23.	Vice Chancellor Office, Alumni Association , Oriental College, Department of Islamic Studies,	Executive Diaries, Small Diary, Day Planner, Bags	12,505
24.	Vice Chancellor Office, Controller of Examinations, Registrar Office, Department of Philosophy, Sports Department, C/o Raja Munawar, College of Art and Designs, Department of Economics, Alumni Associations, Department of Mathematics, Information Technology University, College of Pharmacy, Hailey College of Commerce, ASA,	Invitation Cards	9,520



25.	Vice Chancellor Office, Academic staff Association	Wall calendar, Table calendar, Ramzan Calendar	9,000
26.	Treasurer Office	Budget copies	400
27.	Department of Mathematics, Oriental College, Department of Economics, Institute of Education and Research , Department of Punjabi, Space Sciences,	Magazine	6,291

Our Mission is to disseminate knowledge and creative work in all of its forms through scientific and intellectual publishing at affordable price.

DEPARTMENT OF PUBLIC RELATIONS

The details of main activities of the PU PR Department during the year 2018-19, are given, as under:

Press Meetings

Successful press meetings on every various issues were arranged to make the PU a resounding success.

Columns / Articles / Features

For presenting positive image of Punjab University in print media, columns, articles and features were published. The department also hosted several luncheons and dinners.

Press Releases

The day-to-day press coverage of the university events were published daily in national Press and PU gained maximum space in national press. Over 500 press releases with several pictures were published in the English and Urdu 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 few government departments who have maintained good relationship with Director General Public Relations' office. The publication process of our tender, vacancy and special advertisements had been smooth.

Contradictions/Clarifications

Sometimes newspapers/TV channels publish/broadcast incorrect news item based on misinformation. In such cases, the PR department managed broadcast of true picture of the story for keeping the record straight.

Future Development Plans

Establishment of Video News Service, video monitoring and video editing unit.



DIRECTORATE OF EXTERNAL LINKAGES

Collaborations have been established with Turkey (2) and one each with Nepal, USA, Portugal, Iran, Malaysia, Canada and China international universities/institutions during the calendar year starting from 1st October 2018 to 30th September 2019. In addition, three (03) MoUs have also been signed with national universities/institutions in a variety of disciplines.

MoUs National/International

MOUs Signed between PU & International Institutions

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab, Lahore.	International Centre for Integrated Mountain Development (ICIMOD), Lalitpur, NEPAL	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar, VC <u>ICIMOD</u> David Molden, PhD, Director General	Oct. 24, 2018
2	Faculty of Economics and Management Sciences, University of the Punjab, Lahore	Graduate School of Education, University at Buffalo, State University of New York, USA	<u>University of the Punjab</u> Prof. Dr. Kanwal Ameen, Director External Linkages The Registrar, PU The Chairman, Deptt of Information Mang. <u>University at Buffalo</u> Prof. Suzanne Rosenblith, Dean Graduate School of Education	Nov 07, 2018
3	University of the Punjab, Lahore.	Camqes, Instituto Da Cooperacao e Da Lingua, Portugal	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar, VC <u>Instituto Da Cooperacao e Da Lingua</u> Dr. Joao de Sabido Costa, Embassy of Portugal, Islamabad	Nov 15, 2018
4	University of the Punjab, Lahore.	Payame Noor University, Tehran, Iran	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar, VC <u>Payame Noor University</u> Prof. Dr. Mohammadreza Zamani	Nov 19, 2018
5	University of the Punjab, Lahore.	Ankara University, Istanbul, Turkey	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar, VC <u>Ankara University</u> Prof. Dr. Erkan IBIS, Rector	Dec. 27, 2018
6	University of the Punjab	Mevlana Exchange Prog. Karadeniz Teknik University (KTU), Turkey	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar, VC <u>Karadeniz Teknik University</u> Rector	Dec. 14, 2018



7	University of the Punjab	Universiti Teknologi PETRONAS, Malaysia	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC Prof. Dr. Kanwal Ameen, Director External Linkages <u>Universiti Teknologi PETRONAS</u> Prof. Dr. M. Ibrahim Abdul Mutalib VC and MD/CEO Ir. Dr. Aidid Chee Tahir Chief Strategy Officer	April 16, 2019
8	University of the Punjab	University of Regina, Canada	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC <u>University of Regina</u> Vianne Timmons President and Vice-Chancellor	Sept. 16, 2019
9	University of the Punjab Lahore	Jiangxi University of Science and Technology, China	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC <u>Jiangxi Univ. of Science and Technology</u> Prof. Dr. Yang Bin, President	Sept., 2019

Mous Signed Between PU & National Institutions

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab, Lahore.	Technology Up gradation and Skill Development Company) Ministry of Industries and Production, Govt. of Pakistan	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC <u>Chief Executive Officer</u> Muhammad Alamgir Chaudhry (TUSDEC)	Nov. 7, 2018
2	University of the Punjab, Lahore.	University of Okara, Okara	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC <u>University of Okara</u> Prof. Dr. Zakaria Zakar, VC	Feb. 20, 2019



3	Institute of chemical Engineering & Technology, University of the Punjab	Deptt of Chemical Engineering, University of Gujrat	<u>University of the Punjab</u> Prof. Dr. Niaz Ahmad Akhtar (S.I.), VC Dr. Abdullah Durrani, Director ICET <u>University of Gujrat</u> Prof. Dr. M. Faheem Malik, VC Dr. Suleman Tahir, Dean Engg.	March, 15, 2019
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The Directorate also assists with visas for students for scholarships during their studies in foreign countries as well as for those faculty members travelling abroad to pursue a PhD degree or for a conference.

LEGAL CELL

Annual Report regarding the Punjab University cases (other than Examination) which are under trial before various courts of Law.

COURT CASES 2019	
LOWER COURT CASES	
Filed	12
Decided	07
Pending	05
HIGH COURT CASES	
Filed	122
Decided	85
Pending	37
Supreme Court (CPLA) CASES	
Filed	11
Decided	08
Pending	03

COURT CASES 2020 upto 9-7-2020	
LOWER COURT CASES	
Filed	02
Decided	00
Pending	02
HIGH COURT CASES	
Filed	40
Decided	23
Pending	17
Supreme Court (CPLA) CASES	
Filed	08
Decided	04
Pending	04

OFFICE OF THE CHIEF ENGINEER

S #	NAME OF PROJECT	Current Status
1	The remaining work of kitchen and coffee shop at University Club at QAC	Complete
2	Conversion of Departmental hall to seminar hall and class room in Zoology at QAC.	Complete
3	Renovation of office in Institute of Business Administrative at QAC	Complete
4	Construction of new class rooms at First floor of Department of Space Science at QAC	Complete
5	Boring/Installation of one & half cusec tube well for hostel area at QAC	In Progress
6	Construction of Car Parking in front of Admin Block at QAC	Complete
7	Provision of tuff tile passage for Sports Gymnasium at QAC	Complete



8	Construction of Jogging track around the Play and Cricket Ground at QAC	Complete
9	Construction of Academic Block of Institute of Islamic Studies at QAC	In Progress
10	Construction of committee room, class room and office at ISCS at QAC	Complete
11	Provision of E-Tag system at Gate No.01 at QAC	Complete
12	Extension of V.C Office Car Parking at QAC	Complete
13	Construction of Madrassa for Jamia Masjid at QAC	In Progress
14	Construction of Tractor Garage/Store and rooms with wash room in Experimental station, IAGS at QAC	Complete
15	Installation of new 11 KV feeder for Academic Block at QAC	Complete
16	S/R work of rooms, Hall & Construction of two toilets for Sports Department at Cricket Stadium at QAC	Complete
17	Extension & Upgradation of Transport workshop at QAC	In Progress
18	Establishment of National Centre for Artificial intelligence at PUCIT AIC	In Progress
19	Renovation of class rooms and corridor on first floor of IBA at QAC	Complete
20	Replacement of roofs & renovation of Noor Ud Din Zangi Hall ground floor & firsts floor at HCBF at Allama Iqbal Campus	In Progress

CHILD WELFARE CENTRE

Academic Activities

In CWC students with special needs between ages of 4-18 years are given an opportunity to realize their potential and enhance their learning with specially trained staff members through individualized Education plan (IEP). Students with Intellectual disability are provided with functional academics according to their potential. These groups focus on a curriculum that covers different functional aspects of daily life, thereby helping them to be independent in their lives.

The curriculum covers a wide spectrum of learning like reading, writing and understanding Urdu, functional mathematics, use of calculator that simplifies money management, time management, various measurements, also providing awareness of environment through general information on topics like water, plants, animals, nutrition & weather etc.

All children need love, encouragement, and support. For kids with special needs, such positive reinforcement can be helpful to ensure that they emerge with a strong sense of self-worth, confidence, and the determination to keep going even when things are tough. Children with special needs in CWC are taught with various techniques like task analysis, least to most instructional prompt, simultaneous prompting and multisensory approach in a non threatening environment.



Research And Development (Academic Achievement)

Events and Celebrations

- *International Day of Persons with Disabilities*

As like every year, Child Welfare Centre celebrated International Day of Persons with Disabilities on 3rd December 2018. The Vice Chancellor University of the Punjab Prof. Dr. Niaz Ahmad Akhtar gave this function more grace as a Chief Guest Ex. Vice Chancellor Lt. Gen.® Arshad Mehmood and his wife also attend this function as a Special Guest. Children perform different tableau and Qwali to showcase their abilities and fascinated the audience.

- *Eid Milad un Nabi (SAWW)*

In the month of December 2018, Mahfil Mila-un-Nabi ﷺ was arranged to taught these children about the Seerat of Hazrat Muhammad (PBUH). Children and teachers recite Naats on this occasion. In the end tabaruk was distributed among children and staff.

- *Eid Millan Party*

To give these children introduction about the Islamic Festivals of Eid-ul-Fitr& Eid-ul-Adha,CWC arranged Eid Millan Party in September 2018. All children dressed up with their Eid cloths. Different stalls were installed for children. They have lot of fun on party and learn to share with each other in good manner.

Internship and Placement Office

An internship is an opportunity that organization / school offer to students of different fields. Working with interns is both privilege and responsibility for an organization. Child Welfare Centre has distinction to provide real time, work experience in the field of special education for master level students, such University of the Punjab, University of Management Technology, Forman Christen College, Institute of Communication Studies, Institute of Applied Psychology. Child Welfare Centre providesan opportunity to experience a particular line of work before they have fully committed to career path.

The significant evidence – based research work create, the forte for academic scholars. Child Welfare Centre serve as a platform to the relevant research scholars to foster impactful research. During the mentioned period research scholars of different universities such as AzraNaheed Medical College, University of the Punjab, University of Management and Technology,Riphah College of Rehabilitation centre, Allama Iqbal Open University, Forman Christian Collegeetc visited Child Welfare Centre for their research work.

Special needs job placement efforts are going to be made to cultivate a desirable attitude towards working in these children. Vocational career as well as good grounding through overall school educational activities including, prevocational skills such as art& craft, computer, precooking skills, packing, needle work etc, are also part of curriculum.So that their placement in society can be chosen.



Sports

To provide these children equal opportunities in sports, Child Welfare Centre arranged one day sports gala on February 28th, 2018. The chief Guest for this day was Mrs. Prof. Dr. Niaz Ahmad Akhtar, (Wife of Vice Chancellor University of the Punjab). Children of Child Welfare Centre take part in different games and prove their abilities.

Special Olympics Punjab (SOP) Punjab program were held on 16-10-2018 at Gymnasium Hall, Sports Board Punjab, Lahore. Six students from the centre participated in Badminton Skill Contest and learnt the skill of Hand feeding, Racket feeding, Ups contest, Fore Hand stroke, back hand stroke, etc.

Students of this centre also participated in Sports Gala and Lums Games at Punjab Stadium Lahore organized by SOP. Students of this centre achieved following position in these events.

Event: 50 m Race, Medals

Gold:	4
Silver:	1
Bronze:	4

Medical Facilities Available

With the collaboration of Punjab University health centre, child specialist visit to school on call for the purpose of diagnostic services, consultancy and history taking guided parents are according to the students physical and mental health and suggested different medical tests and medicines according to their needs. These information are very essential for their placement in special school as well as for their IEPs.

Counseling for Stress Reduction

Parents of children with Intellectual disability are always under stressed for the educational and behavioural problems of their children. Multidisciplinary team of centre arrange meetings with parents on and off and according to the need for the purpose of stress reduction of parents. Multidisciplinary team help to overcome the individual issues according to the best solution through different counselling services.

PUNJAB UNIVERSITY LIBRARY

Telephone(s): 092-42-99231126, 99230863

Fax Number(s): 092-42-99230892

E-Mail Address(s): chieflibrarian@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, 9773 new titles were added / accessioned (English,



Urdu, Persian, Arabic, manuscripts, theses and Usmani collection), 7057 new members were registered, 2,03,455 students visited the library and almost 20,200 books (Hard form) as well as thousands of PDF books through USB & E-mail provided as per convenience and requirements of the users. Serial Section subscribed 58 Foreign Journals during the last year, while a total of 17 daily newspapers are also being subscribed.

○ **Newly launched (continued)**

Dr. Muhammad Haroon Usmani, Chief Librarian and Dr. Faiqa Mansoor, Deputy Chief Librarian presented a paper titled “Developing Reading Culture Among University Students: A brief on the efforts of the Punjab University Library” at 2nd International Conference on Information Management & Libraries (ICIML-2018, 10-12 October) organized by Punjab University’s Department of Information Management (DoIM) from **October 10-12, 2018**.

The Punjab University Library has published a book in **September 2019**, with the cooperation of Punjab University Press, titled as “**Abghinay** (آبگینے: یاد رفتائے پنجاب یونیورسٹی لائبریری)”. The book presents the historical account of some professional and non-professional personnel of the library that served the institution.

○ **Projects: (Continued & completed)**

- Out of more than 992 scanned Manuscripts, 289 Manuscripts having 54269 pages have been scanned in this year.
- More than 20,000 new PDF books have been added. Now all PDF books are more than 70,000 searchable from Library’s OPACS.
- 2295 cases of similarity index have been checked during the period including 71 Ph.D. and 1918 M.Phil. Theses along-with 306 research articles.

○ **PU Library Book Club**

From January, 2018, the library has started a Book Club for the promotion of reading culture in the university in which introductory talks on two new books are being held each month. The program has been continued in this year and 8 programs have been arranged including special programs for “Book Day” and “Ramzan (Holy month)”. The program is running successfully and being appreciated by a large number of students and faculty members.

○ **Information Literacy Program**

The library is regularly organizing information literacy programs to create information and research skills among the scholars. The program covers the following topics:

- Basic information searching skills
- Designing information search strategy
- Trainings on HEC’s databases searching
- Trainings on citation software (Zotero) Endnote
- Trainings on Specific Databases like Scopus, IEEE
- Trainings on plagiarism avoidance and use of Turnitin software



○ **Seminars / Conferences/workshops/Symposia/Exhibition, etc.**

- Professional staff of the library attended 3-days International Conference on Information Management & Libraries (ICIML-2018) organized by Punjab University's Department of Information Management (DoIM) from October 10-12, 2018.
- Punjab University Library arranged a training session on SciFinder-N for research scholars and faculty members of concerned faculties on November 30, 2018. Mr. Andrew McKay, Regional Market Manager, American Chemical Society International (ACS) addressed the participants and issued 108 login IDs to access database.
- Punjab University Library arranged one-day workshop through WebEx of SCOPUS citation database and access of IEEE database (out of campus) on February 20, 2019.
- Dr. Muhammad HaroonUsmani, Chief Librarian, Mr. Muhammad Asif Khan, Deputy Chief Librarian and Mr. KashifKhurshid, Deputy Chief Librarian attended two-days International Conference titled "Emerging Issues of Information Landscape (ICEIL-2019)" at the University of Sargodha from February 28 – March 01, 2019.
- Mr. Hafiz HabiburRehman, Deputy Chief Librarian and Mr. Muhammad Farooq, Librarian participated in 5-days training course on "Libraries Management and Digital Resources" at AHK National Centre for Rural Development, Islamabad on April 01-05, 2019.
- Dr. Muhammad HaroonUsmani, Chief Librarian, and Mr. Muhammad Asif Khan, Deputy Chief Librarian attended International Conference on "Transformation of Knowledge Repository into Knowledge Economy" held at Minhaj University, Lahore from 19-20th September 2019.

Serial Section Continued & completed

- Subscribe 58 International scholarly print journals on different subject
- Data Entry of journals records in MLIMS (version 2.0)
- Maintaining the bound volume of major 17 Newspapers
- Repairing of torn and old books in binding section
- Lamination and binding of different collections
- More than 165 complementary journal received and displayed for services
- Monthly publication of newspaper index in print and on library web page

Catalogue Section

- Data entry of new books =5226 (European languages)
- Spine labeling =5226

Oriental Section

- Technical Processing (Data Entry)
 - a. Urdu / Punjabi Books 4900
 - b. Arabic / Persian Books 259
 - c. Thesis 148
 - d. Aftab Asghar (personal collection) 2401-2780
 - e. Muhammad Haroon Usmani (personal collection) 1000-2000



- | | |
|--|--------------|
| f. Dehlavi Collection (Missing Number Entry) | 6325 to 6415 |
| g. Sherani collection last entries | 82 |
| h. Catalogue Cards + shelf list card type | 9000 |
| i. Catalogue Cards (old card re-type) | 8000 |
| j. Labeling / Barcoding | 12000 |
| k. Binding Books / Periodicals | 3500 |
- Miscellaneous Services to the Readers

a. Shelving of Books, Periodicals	60000
b. Shelving of Collection Books+ Periodicals	12000
c. Reference Service of Thesis	8000
d. Counter Service (Students & Researchers)	80000
e. Reference service of Manuscripts.	Faculty members, Local & International Scholars
 - Personal Collection Accessioned = Hakim Muhammad Musa
dated 04-08-19 to 27-11-2019 no.
155153 to 155550
 - Data Entry in MS. Excel Work

a. Hakeem Muhammad Musa for vol. 6 th .	Last entry 2200 (continued)
b. Muhammad Alam Mukhtar-e-Haq 1-1000	1000-1273(continued)
 - Monthly Work Performed: 3 Newspaper index typing
Dawn, The Nation, Daily Times and compilation of New Arrival list.
 - New Personal Collections Received
The collection of Mr. Zahid Munir Amar has been received for addition in special collections of oriental section.

Reference Section

- Information Literacy related Trainings
- (HEC Data Bases & adv. Searching Techniques)
 - Individual level 500
 - Community level 1000+
- Local national level visit 50+
- Handling orientation session (new classes) 70+
- Digital Reference Service (SDI) 735
- Guideline services (plagiarism, E-Article, OPAC etc.) 5000+
- Binding of reference books 300
- Technical services(Data entry, Book Cards, Barcode label) 400
- Photocopy services 7550
- Digital Collection Acquired (free of cost) 10000+
- Downloaded latest Books 800+



U.N.O. Section

- New Publications
 - Government Publications 95
 - UNO Publications 46
 - Council of Islamic Ideology Publications 01
 - Chinese Collection 01

Strengthening Technological Infrastructure

- Internet Lab

Networking

- Installation of data cables in the library corridors for surveillance traffic.
- Design new network topology to manage IT-Lab network.
- Configuration and installation of the new policy based router in the network to control network.
- Shift the RRAS server to the Integrated Service Router.
- Replace the Core 48-Port Switch with the new 48 port switch.

Database System

- MLIM's upgraded from framework 1.1 to 4.0.
- Add new modules to MLIM's
- 80,000+ E-Books added to software.

Web Development

- Planning to make library website responsive.
- Design and configure a new library (<http://pulibrary.edu.pk>) website in the latest Bootstrap framework.
- Working on a new web based application to manage E-books database.

Surveillance System

- Planning and installation of the new security cameras to cover outside of the library.
- Installation and configuration of the new DVR.
- Installation of the new camera in library section.

REGISTRATION BRANCH

The Registration Branch performs a number of vital functions which contribute towards revenue generation for the University. It caters both on campus and external students.

Online Registration

The Registration Branch is executing registration of the students through online portal from Academic Year 2018-2019, which has replaced the manual hand-written forms.

It will 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.
- Registration of Private (External) Candidates for B.A/B.Sc, M.A/M.Sc, and B.Com Examinations.
- 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, University to University and University to College etc.
- 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 notable bodies of Punjab University.
- To attest the Educational documents for students seeking admission abroad.
- To process the cases of foreign verification.
- Registration of Regular Students.
- 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.

The Registration Branch carries out registration of On-Campus and External Students.

i. External Students.

- Private Candidates
- Students of Affiliated Colleges

ii. On-Campus Students

- Students belonging to Department/Institute/Centre of Punjab University.

**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 required exams. The admission schedule are issued to 721 affiliated colleges for admission in B.A/B.Sc., B.Com., B.C.S., M.A/M.Sc., LL.B., M.Ed., MIT, Pharm D, M.Com, MLT, BSc Nursing and different diplomas etc, during Academic Year 2018-2019.

Registration Returns

The Registration Branch received the online 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 3000 registration returns were received, and processed.

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 46668 candidates for B.A/B.Sc Examination in 2019. After evaluating online registration forms and registration cards were issued.

2. B.Com

Registration Branch registered 1575 candidates for B.Com Examination 2019. After evaluating online registration forms registration cards were issued.

3. M.A/M.Sc

Registration Branch registered 4578 candidates for M.A/M.Sc Examination 2019. After evaluating online registration forms registration cards were issued.

Enrollment of the Students

This branch enrolled the already registered students of LL.B., 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 Five thousand students were enrolled in 100 Post Graduate 42 Law, 26 IT and 2 Science Education Colleges.

Issuance of No Objection Certificates

Besides the Registration, Enrollment of the students, the major job of this branch is to issue No Objection Certificates to those students who were registered with University of the Punjab and desires to continue their studies in any other university. Registration Branch issued 16499 migration certificates to the students to proceed for Education in other Universities.

**Processing of College to College Migration**

Registration Branch issued 72 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 from 01-10-2018 to 30-09-2019 almost 510 age relaxation letters/certificates were issued.

Change in Name

This branch also deals with the change of Name, Father's Name cases after the issuance of final degree. The candidates get decree from court of law for applying to change their name. After processing the cases more than 489 letters of change in name were issued.

Correction in Particulars

If there is mistake in the name, father's name N.I.C No, date of birth, address etc on the Registration card, correction is processed on the request of student. About 3500 cases of correction were processed during this period.

Duplicate Cards

The Registration Branch issues Duplicate Registration Cards to the students who have lost the original Registration Card. During this period about 4000 Duplicate Registration Cards were issued.

Session Gap

Session gap is allowed to candidates seeking Regular Admission as prescribed in the rules. This branch issues the age relaxation letter to such students who are eligible under the rules. During this period more than 1050 letters were issued.

Election of various notable bodies of University of the Punjab

The General Branch conducts the election of the membership of Senate, Syndicate, Academic Council, Town Committee and Finance & Planning Committee etc.

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 1177 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 513 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 187 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.

721 affiliated colleges were dealt by the Registration Branch by issuing the Registration card and Enrollment for different disciplines.

Registration of Regular Students for the Session (2018-2019).

- B.A/B.Sc
Registration Branch registered 45888 candidates for B.A/B.Sc Examination in 2018-2019.
- B.Com
Registration Branch registered 10319 candidates for B.Com Examination in 2018-2019.
- M.A/M.Sc
Registration Branch registered 537 candidates for M.A/M.Sc Examination 2018-2019.
- B.S Hons
Registration Branch registered 6404 candidates for B.S Hons.
- Law
Registration Branch registered 2063 candidates for Law Examination.



RESIDENT OF OFFICER-I

The office of Resident officer-I (Transport, Accommodation (teaching & non-teaching staff), Shops/Kiosks, Parking Stands and Sir Syed Campus Khanspur) from 1st October 2018 to 30th October 2019 is as follows:

TRANSPORT WING

Transport Wing has the fleet of 60 buses.

1. Repair & Maintenance of Vehicles

During 1st October 2018 to 30th September 2019 Transport Wing has carried out repair and maintenance of following buses:-

a) Major Repair

i) Engine overhauling	07 Buses
ii) Complete bus body repair & Denting and painting	03 Buses
iii) Gate Hydraulic Jack	04 Buses

b) Minor Repair

i) Leave spring repair	143 buses
ii) Gear box repair	14 buses
iii) Clutch repair	61 buses
iv) Radiator repair	29 buses
v) Injunction Pump and automizer	31 buses
vi) Seat Poshish and Bus Body repair	08 buses

c) Increase of Store Item:

Two new buses have been added to the existing fleet during this period. Moreover, Transport Wing purchased many spare parts item and keep them in stock to ensure timely repair of buses. Due to this practice, all the vehicles are in working condition and ever ready for duty.

Store Items	Available Quantity
Routine spare parts	672
Engine/Gearoil	7280 Litre
Tyres	196 Sets
Batteries	60 Nos

2. Revenue Receipt of Transport Wing

Detail of revenue for the year 2018-19 as follows:

Bus Booking	Rs. 2,876,838/-
Bus Pass (Employees)	Rs. 3,791,162/-
Transport Charges (students)	Rs. 117,678,000/-



3. Re-appropriation:

Expenditure are controlled to remain within the allocated budget, however, due to some emergent needs, some re-appropriation is done within various heads. Re-appropriation done during the period is as follows:

Sr. No	<u>From</u> Budget Head	<u>To</u> Budget Head	Re-Appropriated Amount (Rs.)
1	"P.O.L Charges" (Transport Wing, R.O-1)	"P.O.L Charges" (A.S.A)	300,000/-
2	"Maint. Of Vehicle" (Transport Wing, R.O-1)	"Maint. Of Vehicle" (A.S.A)	200,000/-
3	"Purchase of Battries" (Transport Wing, R.O-1)	"Telephone" (Transport Wing, R.O-1)	16,000/-

ACCOMMODATION (TEACHING & NON-TEACHING STAFF)

The office of Resident Officer-I was involved in handing over/taking over of **59 houses/flats/suites/Rooms** to the teaching staff and **55 houses/flats** to the non-teaching staff during the year 2018-19 (from 1st October 2018 to 30th September 2019).

The survey of the hired/self hiredhouses of teaching/non-teaching staff in connection with house requisition is also being carried out.

SHOPS/PARKING STANDS/MOBILE TOWERS

There are more than 100 shops including canteens&cafeterias inPunjab University. TheseShops &Khokhas and canteens & cafeteriasare being allotted through open competition via tendering process to ensure transparency. Similarly, parking areas are earmarked for University students, employees and guests and contract for parking is also allocated through tendering process.

There are also few mobile company's towers located in Punjab University area. These companies pay rent to Punjab University for the same.

The rent collected for all such infrastructures during the aforesaid period is as follows:

i) **Recovery of Rent of Shops/Parking Stands/Mobile Towers from 1st October 2018 to 30th September 2019**

Categories	Rent of Shops	Rent of Parking Stands	Rent of Mobile Towers
Amount	Rs. 14,704,811/-	Rs. 518,274/-	Rs. 16,665,407/-



Sir Syed Campus Khanspur

The suites and barracks are being made available to the teachers, students and employees of Punjab University as per their entitlement. Moreover, booking facility is also provided to teachers/students other than Punjab University, if lying vacant in off season in order to generate maximum revenue for Punjab University. Revenue collected during the period from 1st October 2018 to 30th September 2019 is Rs. 2,023,000/-

RESIDENT OFFICER-II

Land Office

This office looks after the landed property at the Quaid-e-Azam Campus. Some facts about the land are given below: -

Total Land	1781 Acres.
Cultivated Land	A - K - M
	1010 - 7 - 10
i) Under Self-Cultivation	121 Acres 05 - 0
ii) Lease out Land	A - K - M
	889 - 2 - 10

1. Lease rate per acre (per annum), Rs:

a) Tube well irrigated area	Rs. 47,000/-
b) Canal irrigated area	Rs. 58,000/-

2. Income from leased out land Rs:

Rs. 4,39,28,493/-

3. Self-cultivation:

a) Income from Self-Cultivation Land	Rs. 81,20,964/-
b) Expenditure	Rs. 47,92,457/-
c) Saving	Rs. 33,28,507/-
Grand Total	Rs. 4,72,57,000/-

DEPARTMENT OF MOSQUES

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.



Six 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 fifteen students of the Institute completed Hifz-e-Quran during Oct. 2018 to Sep. 2019.

- | | |
|-------------------------------|------------------------------|
| 1.Ali Ameen | 2.Muhammad Zeshan Hameed |
| 3.Akasha Choudri | 4.Zohaib Shoukat |
| 5.Hanzla Ahmad | 6.Shuja Ahmad |
| 7.Muhammad Abdullah | 8.Muhammad Zaigham Iftakhar |
| 9.Burhan Majid | 10.Muhammad Huzaifa |
| 11-Qaisar Murtaza Shah Hashmi | 12-Yasir Murtaza Shah Hashmi |
| 13-Muhammad Abdullah Alam | |

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 257 male and female students have been studying and 18 students completed the Quran.

Like previous years, the department arranged Aitikaaf in all the Mosques. But a large number of people offered their aitikaaf in Jamia Masjid. Renowned religious scholars delivered lectures on various Islamic topics for the educational and practical training of aitkaaf observers. The department arranged ceremony at each mosque in connection with Takmeel-e-Quran in which taraweeh prayer leader and listener were gifted books.

Development Activities:

- The Department purchased three Fans Heater for Masjid-E-Block to facilitate the prayerers.
- A new praying-carpet was laid in Masjid- E- Block to facilitate the prayerers.
- The Department purchased Vacuum Cleaner Machine for the Masjid Islamic Center.
- The Department also purchased Amplifier for the Jamia Masjid.

Library:

The Library of Mosques Department provided quality services to its users efficiently throughout the year. To provide quality services, as many as 360 books in Urdu, Arabic and English languages, covering areas of Quran, Tafsir, Hadith, Fiqh, Seerat-un-Nabi (PBUH), etc. were purchased from October 2018 to September 2019, besides continuing the subscription of Islamic research journal for the library. The library collection during the said period reached 13135.



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

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 7,580 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 the 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 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 to conduct 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 the 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 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 were purchased after the approval of the special purchase committee of the Hall Council and provided to the hostels. 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 cover 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 2018-2019. 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 Hostels. 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 boys and girls hostels for Foreign Students and all 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 improved. Water Sanitation conditions around the hostels have also been improved. 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 2018-2019, Rs.2,00,000/- was provided 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.

Arrangements for Security Measurement

After the attack on Army Public School, Peshawar by the terrorists and prevailing presents threats, the Hall Council made emergent decision regarding the high security measures to be taken for all hostels and surrounding areas.

Emergent Decisions

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 large number of students of afternoon/replica program are accommodated in male and female hostels as paying guests.
4. The security on entry/exit points of Hostels areas was beefed up by appointing two Chowkidars during each shift of 12 hours instead of one.
5. All Chowkidars/sweepers have been directed to wear uniform during duty hours.
6. Security cameras were installed in the hostel areas.



CAREER COUNSELING & PLACEMENT CENTRE

Career Counseling & Placement Centre was the idea of Dr. Abdul Qayyum Ch. which was established & materialized by the Authorities of the University of the Punjab in 2003, the major purpose to establish this center was to provide Career Counseling & Placement services to the students, employees and teachers of the University of the Punjab regarding their personal, professional and career development.

Keeping in view the ever evolving knowledge and cutting edge technologies, it has become the primary aim of this Centre to bridge the Gulf between Job Market and various academic departments/ institutes through joint sessions and collaborative networking. We are providing trainings to our University Students regarding life skills and employability skills i.e. how to prepare for powered CV, Interview Skills, Self-Motivation and positive thinking, Creative Thinking, Self-esteem, Decision Making, Learning Attitude, Stress Management, Effective Verbal & Non - Verbal Communication, Interpersonal Communication Skills and job hunting strategies etc.

In March 2009 the present Director of this Centre Dr. Abdul Qayyum Ch. again took over the charge of Career Counseling & Placement Centre, and revitalized its services since then the center has developed more than 250 Linkages / Recruitment Partnerships with different leading Organizations/ Companies/ Banks and Industries for Job placement of our graduates.

Career Counseling & Placement Centre is working quite in line with the vision plan of current National Education Policy & HEC's guidelines to provide career counseling and placement services to the University Graduates. We have been continuously imparting employability skills and also helping in career counseling and job Placement to our potential graduates. Thousands of our graduates have been facilitated for various Jobs through this Centre. We are also continuously offering trainings / seminars to graduates regarding job market, employability skills with the help of highly professional entrepreneurs, CEOs and business managers through joint sessions. We are also conducting one –to- one session with our student(s) regarding selection of career path, career choice, career development according to their aptitude and attitude which ultimately lead them to become productive citizens of Pakistan.

Types of Services

- Orientation and guidance services for new entrants to acquaint them to the University life.
- Educational and Occupational Information Services
- Counseling and Advisory Services may include personal, social emotional and financial problems.
- Services to International Students.
- Image Building of the University
- Job Bank
- CV bank of PU students
- Follow-up Services
- Revitalizes the Alumni



Industrial Liaison

We have develop liaison with more than 250 Companies / Industry

Individual Counseling in 2019

As Per Office Record, The office has provided Career Counseling related Service to

545 Students. Who visited our office.

Our Trainings in 2019

The Primary Objective of the Centre is to bridge the Gulf between job markets and various academic Departments through joint sessions and collaborative networking. We are providing soft skills training Session / Workshop to our graduates.

Following Training Sessions have been conducted in year 2019

- How to get benefit from Campus life with **Pushtoon and Balochi Students**
- The Role of Motivation & Positive Thinking in Life
- Panel Discussion with Vice Chancellors On Tolerance of Youth
- Adjustment to Campus Life
- Moral Value in Our Education System
- Adjustment to Campus Life
- Workplace Conflict Management
- Motivation & Positive Thinking
- Decision Making
- Effective Time Management
- Interpersonal Communication Skills
- Interview Skills and CV Writing
- How to Write a Powered CV & Cover Letter
- Creative Thinking
- Stress Management
- Recruitment Drive by FFC

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	Date
1	Department of Statistic & Actuarial Sciences	Effective Time Management	16 th January 2019
2	Department of Library Sciences	Interview Skills	20 th February 2019
3	Institute of Education & Research	The Role of Motivation & Positive Thinking in Life	19 th March 2019



4	Institute of Education & Research	A Session Conducted by AmjadSaddique Awarded On in Million	9 th April 2019
4	Department of Applied Phycology	How to Adjustment to Campus Life	17 th April 2019
5	Department of Botany	Effective Time Management	14 th May 2019
6	Institute of Education & Research	Responsibility of Youth and Traffic Education	23 rd August 2019
7	Al Razi Hall Under Graduate	Panel Discussion with Vice Chancellor On Tolerance of Youthwith Collaboration of CEES	25 th September 2019
8	Department of Statistic & Actuarial Sciences	CV Writing	26 th September 2019
9	Institute of Education & Research	Moral Value in Our Education System	3 rd October 2019
10	WaheedShahed Hall IER	How to get Benefit from Campus Life with Pushtoon and Balochi Students	16 October 2019
11	Institute of Education & Research	Interview Skills	23 rd October 2019
12	Department of Geology	How to Adjustment to Campus Life	6 th November 2019
13	B.Ed. Hons& BS Ed Hons	How an Overlooked Risk Factor (Poor Posture) Challengers and Individual's Performance at All Levels & Its Management and Implications for Teachers and Students	11 th November 2019
14	MA Elementary and Early Childhood	How an Overlooked Risk Factor (Poor Posture) Challengers and Individual's Performance at All Levels & Its Management and Implications for Teachers and Students	14 th November 2019
15	MA Secondary, Business Education, Technical Education	How an Overlooked Risk Factor (Poor Posture) Challengers and Individual's Performance at All Levels & Its Management and Implications for Teachers and Students	20 th November
16	MA Elementary Self Supporting	Moral Value in Our Education System	22 th November 2019
17	Institute of Chemical Engineering & Technology	Interview Skills & CV Writing	3 rd December 2019
18	Institute Chemistry / Chemical	Interview Skills & CV Writing	16 th December 2019
19	Institute of Chemical Engineering & Technology	Collaboration with Fuji Fertilizer hiring for Jobs	18 th December 2019

- Training workshop for the focal persons in various departments of University of the Punjab.
- The task of preparing list of potential employers, updating the data of alumni & the CV folder of the passing out graduates was assigned to focal persons. The lists were updated in the data bank of CC&PC
- Career Counseling & Placement Centre arranged a recruitment drive in collaboration with Fauji Fertilizer Company at University of the Punjab.



- Individual and Group counseling of the students was conducted regarding the academic issues,
- Adjustment problems, Emotional issues and any other issues raised by the students.
- Contacts were established between Academia/Industry to explore and secure job/ Internship opportunities for our graduates.
- To locate and upload various types of jobs for the graduates of the university of the Punjab on the Facebook page of Career Counseling and Placement center. Besides, job requests received from various organizations/industry through emails are monitored, uploaded, and forwarded to concerned departments for action.
- Students of PU visit career counseling office for mentoring, guidance and also to seek solutions to their questions regarding personal and academic life.
- Visitor's queries are also met to their satisfaction to build and promote the positive image of this prestigious university.
- Representative of different organizations make personal visit to explore opportunities for the employment of PU graduates
- Information/guidance is also provided to the students /outsiders regarding admission queries etc.
- Uploading of Job on Career Counseling & Placement Center on Facebook Page
- **Individual Counseling** as per on Record Career Counseling Service to 545 Students Career in our office.

DIRECTORATE OF STUDENTS AFFAIRS

A. ACHIEVEMENTS IN ALL PAKISTAN INTERVARSITY CO-CURRICULAR COMPETITIONS.

Team Trophies	:	19 Nos.
Runners Up Trophies	:	<u>02 Nos.</u>
Total Team Trophies	:	<u>21 Nos.</u>
<u>Individual Prizes</u>		
First Prizes	:	91 Nos.
Second Prizes	:	48 Nos.
Third Prizes	:	<u>22 Nos.</u>
Total Individual Prizes	:	<u>161 Nos.</u>
Total Trophies + Individual Prizes	:	<u>21 + 161 = 182 Nos.</u>

It is pertinent to mention that students in the co-curricular competitions have also received cash prizes of more than 0.8 million (Rs.8,26,000/-) of PAK rupees.



B. ARRANGEMENTS AND COORDINATION BY THE DIRECTORATE OF STUDENTS AFFAIRS IN VARIOUS PROGRAMS AND VISITS.

The Directorate of Students Affairs with the collaboration of NAB Lahore organized competitions in the university for the Observance & Reporting of the Anti Corruption Awareness Activities – Culmination into Anti Corruption Week 9th December, 2018.

The theme of competitions was Character Building and Anti Corruption.

The details of competitions were as under:

Sr. No.	Name of Competition	Date	Venue
1.	Urdu Essay Writing	05-10- 2018	Centre for Undergraduate Studies, Quaid-e-Azam Campus
2.	English Essay Writing	05-10- 2018	Centre for Undergraduate Studies, Quaid-e-Azam Campus
3.	Poster / Painting Canvas/Poster Size 18" x 23"	08-10- 2018	College of Art & Design, Allama Iqbal Campus
4.	Urdu Declamation	09-10- 2018	Directorate of Students Affairs, STC, Quaid-e-Azam Campus
5.	English Declamation	10-10- 2018	Directorate of Students Affairs, STC, Quaid-e-Azam Campus

1. The Directorate of Students Affairs organized a ceremony for newly admitted students at Faisal Auditorium on Tuesday, the 27th November, 2018. The renowned Pakistani Scientist Dr. Abdul Qadeer Khan was invited as Chief Guest but he could not attend the program due to health issues. The other guests of honors poets Mr. Amjad Islam Amjad, Mr. Mansoor Afaq and Ex-captain Pakistan Cricket Team Mr. Misbah ul Haq addressed the students.
2. The Directorate of Students Affairs organized a program on Seerat un Nabi (S.A.A.W) on Tuesday, 04th December, 2018 at New Campus Cricket Ground (Hostel Area). The Eminent Islamic Scholar Mohtram Maulana Tariq Jameel was the Guest Speaker. The program was presided over by the Worthy Vice Chancellor Prof. Dr. Niaz Ahmad Akhtar.
3. Nine students of different departments of Punjab University attended the International Students Convention & Expo 2018 organized by Punjab Higher Education Commission at PAK China Friendship Centre Islamabad from 11-12-2018 to 13-12-2018.
4. 100 Students attended the cash prize distribution ceremony for position holders students of SSC / HSSC (Annual) Examination, 2018 at Aiwan-e-Iqbal Complex, Lahore on 21-01-2019.



5. A follow up session of almost 100 students was arranged at Al-Raazi Hall on 23rd January, 2019 to share their experiences who participated in conference organized by Azm-e-Pakistan at Islamabad.
6. The Directorate of Students Affairs organized a program regarding “Kashmir Day” on 29th January, 2019 at Faisal Auditorium. Mrs. Mishal Yaseen Malik wife of Great Kashmiri Freedom Fighter, Mr. Yaseen Malik addressed the students, Faculty and Staff of Punjab University as Guest Speaker.
7. The Punjab Educational Endowment Fund (PEEF) organized Entrepreneurial Skills Development Training Workshop for the PEEF Scholars of University of the Punjab from 17th to 20th January 2018 at Youth Development Centre, Punjab House, Murree. The Directorate of Students Affairs coordinated the PEEF Scholars to attend the training workshop.
8. A Road Safety Program was organized by Pakistan Highway & Motorway Police with the collaboration of Directorate of Students Affairs on 8th February, 2019 at Al-Raazi Hall.
9. The Pakistan Red Crescent, Punjab Provincial Branch, Lahore organized Inter University Urdu Declamation Competition with the collaboration of Directorate of Students Affairs at Al-Raazi Hall on 11th February, 2019.
10. On the direction of worthy Vice Chancellor, Directorate of Students Affairs arranged Annual Dinner for Foreign Students studying in Punjab University on 12th February, 2019 at Punjab University Club.
11. The Punjab Educational Endowment Fund (PEEF), Youth Development Centre, Murree organized Entrepreneurial Skills Development Training Workshop for the PEEF Scholars of University of the Punjab from 22nd to 25th August. 2019 at Youth Development Centre, Punjab House, Murree. The Directorate of Students Affairs coordinated the PEEF Scholars to attend the training workshop.

B. THIS OFFICE ALSO DEALS WITH THE FOLLOWINGS:

1. Online Admissions Guide Book

The Directorate of Students Affairs has been publishing admission guidebook for the information of students seeking admission 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. However for the admission 2019-20, the university authorities decided to complete the admission process through online. To cope with the requirement, Director Students Affairs collected the relevant information from all teaching departments, compiled the same and requested to IT department to upload information for the guidance of students who intend to seek admission in the university.



2. ADMISSION TRIALS

- Each year, University of the Punjab enrolls exceptionally talented students on the basis of co-curricular activities. The admission trials are held in various categories such as Qiraat, Naat, Quiz, Essay Writing (English & Urdu), Calligraphy, Debates (English, Urdu, Punjabi and Parliamentary Style), Dramatics, Singing / Music etc and any other category subject to approval of the committee. 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 fifteen hundred applicants appear before the Selection Committee constituted by the Vice Chancellor for admission in the university who are evaluated by distinguished and proficient jury panel. These students, once admitted, are further coached on the platform of DSA to represent the university on regional, national and international forums.
- Preparation of list of foreign students studying in Punjab University as per information provided by all teaching departments.
- Preparation of list of students studying in Punjab University other than Punjab province.
- The Director Students Affairs is the ex-officio Secretary of Discipline Committee. Therefore, this office deals with all disciplinary matters and conducts Discipline / Review Committee meetings.
- On the directions of worthy Vice-Chancellor, Director Students Affairs established a group of advisor students of all teaching departments for smooth functioning of student's matters.

C. ACCOMMODATION FACILITY AT DIRECTORATE OF STUDENTS AFFAIRS (STC) FOR FACULTY MEMBERS / OFFICIALS AND STUDENTS WHO VISITED LAHORE FOR CONFERENCES, STUDY TOURS ETC.

SUMMARY TABLE FROM

Total Tours	Total Students	Faculty Members / Officials
46	1211	447

Short list of study tours whose faculty members and students visited Punjab University

1. Kotli Azad Kashmir
2. Benazir Agriculture Sindh University
3. Ghazali College Ghotki Sindh
4. Cadet College Jafarabad, Quetta
5. Degree College Azad Kashmir
6. Balochistan Residential College Khuzdar
7. Cadet College Panjgur Balochistan



8. Mughal Model Science College Muzaffarabad
9. Batkhela College KPK
10. Business College Abbotabad
11. Chitral University
12. Azad Kashmir University, AJK
13. Jammu Kashmir University
14. Peshawar University
15. Post Graduate College Loralai Balochistan
16. Technical College Mansehra KPK
17. Gawadar Development Authority High Secondary School
18. Khairpur University Medical University Sindh
19. Haripur University
20. Abdul Wali Khan University Mardan
21. Technical College Abbotabad KPK
22. Technical College DG Khan
23. Islamia University Bahawalpur
24. Bonair College KPK
25. Arid Agriculture College Rawalpindi
26. Kohat University KPK
27. University Rawlakot
28. BZU University Multan
29. Turbat College Balochistan
30. Elahi Bux College Balochistan
31. Government Post College Jhang
32. Agriculture College Quetta



126th Convocation 2018



Delegation Solid State Physics



Former Vice Chancellors Visit at PU



German Delegation



ICORE Conference 2018 at IER



Inauguration of Teachers Apartments



Iqbal Day Visit



IQTM World Quality Day



Misbha-ul-Haq visit PU



MOU



MOU Iran



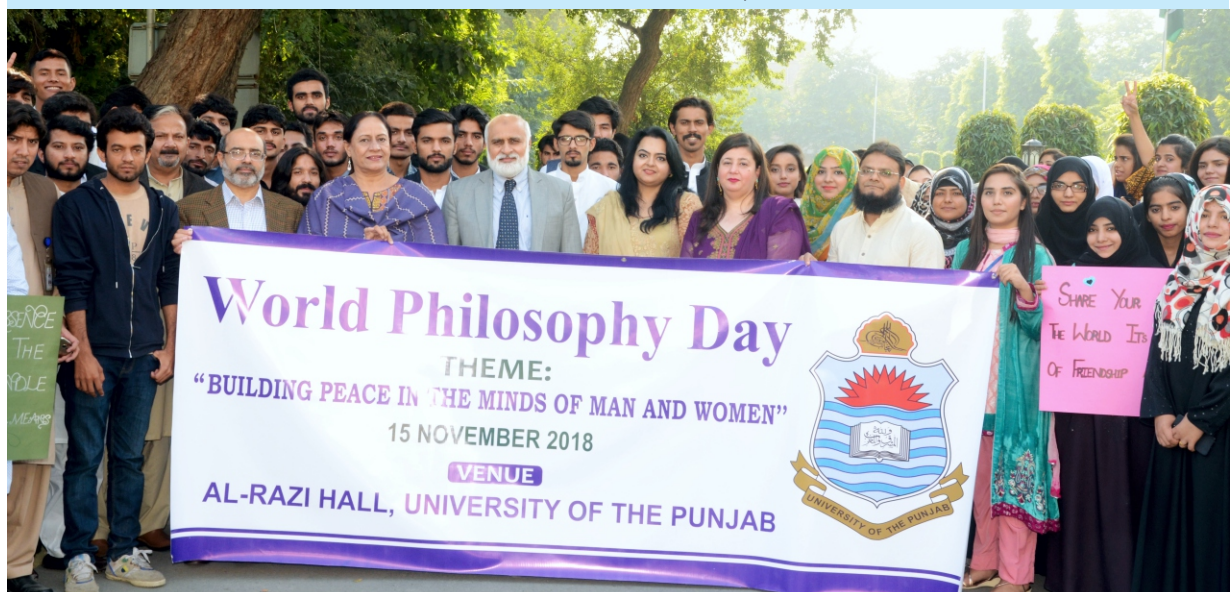
MOU Languages



MoU, Lahore Centre for Peace Research



New Students Orientation Day



World Philosophy Day



Visit of Director QS Ranking



Seminar on Special Education



SUPARCO Delegation



Sports Festival



1st Alumni Association Meeting



Chinese Delegation



Conference on Energy Crisis



Christmas Day Celebration



HCBBF Conference



German Delegation



CWC Event



Maulana Tariq Jamil visit



Zartaj Gull Visit



DolM Conference



Earth Breaking Ceremony at Economics Department



Inauguration of Pharmacy Lab



International Conference of Information Management and Library Science



Iranian Delegations



Laying stone Islamic Studies



Clinical Psychology Mental Health Awareness Campaign



PINA Seminar



Professor Emeritus Meeting



Spanish Delegation



International Conference ISCS



Chinese Ambassador visit



Chinese Delegations



HEC Inter Varsity Football Championship



Indian Bar Council Visit



International Conference Cancer Pharmacy



KIU Visit



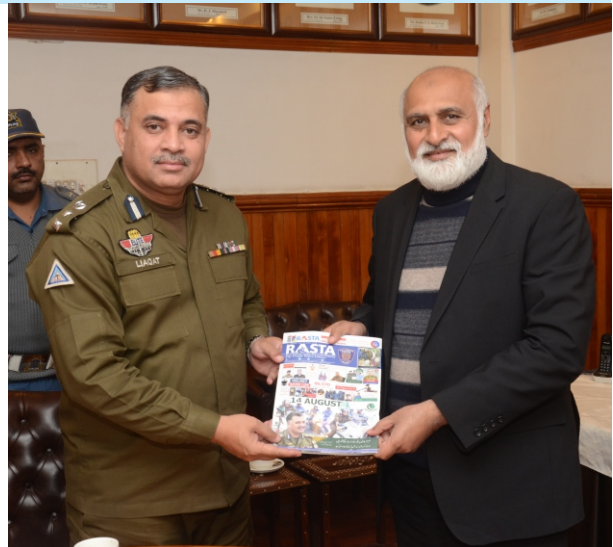
Mishal Malik Visit



Lecture on Balochistan



Somalian Delegation



CTO Traffic Police Visit



Mevlana Rumi and Hadrat Sultan Bahoo Conference



Senate Meeting



National Conference ISCS



Engineering Council Meeting



Inauguration Mosque Town I



Inter Varsity Cricket Match



ISCS Conference



Inauguration Mosque Town I



1st International Conference ISCS



ISCS Conference



Kyrgyzstan Delegation



MoU Mobilink



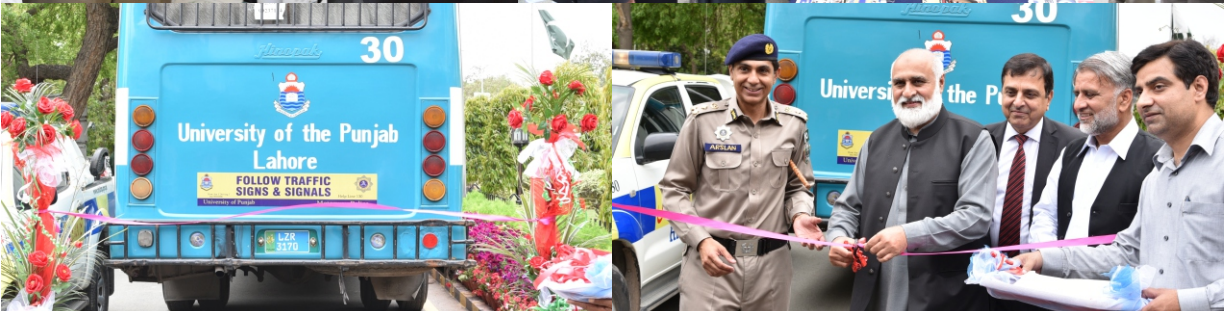
International Qiraat Competition



Sports Gala CEES



General Meeting of the Alumni Association



DIG Motorway Visit



8th Invention to Innovation Summit



MoU IAGS



MoU Malaysia



NASA Delegation



Seerat Conference



Workshop on Energy Efficiency & Conservation



Inauguration E-Lane Gate-I



MoU Ghulab Devi Hospital



Research on Rice IAGS



Sri Lankan Delegation



Students' Societies Conference - CEES



Turkish Delegation



South Asian Bodybuilding Competition Winner



Senior Minister Aleem Khan visit



ASA-PU Tree Plantation Campaign



Kashmir Rally



14 August Flag Hoisting Ceremony



Kashmir Solidarity Rally



Kashmir Conference



Women Kashmir Rally





Department of Press & Publications

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