Chapter 2  Research and Development

FACULTY OF ARTS & HUMANITIES

DEPARTMENT OF ARCHAEOLOGY

- Publications
  Research Paper: Dr. Farzand Masih
    o “Chaukundi Tombs: Significance of symbols and motifs in Funerary Art of Sindh. "Ancient Punjab Vol-II"
    o Origin and Evolution of Nagara Sikhara Temple Architecture with Special Reference to the Salt Range Temples. "Ancient Punjab Vol-II"
    o Editor “Ancient Punjab” Vol. II 2012
    o Authorship “Research report on “Sui Vihar Excavations and Archaeological Reconnaissance of Southern Punjab”.

Dr. Tauqeer Ahmad Warriach

- Conferences, Seminars and Workshops etc.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- Research Journals
  The Department of English publishes annually two Journals:
    i. Journal of Research (Humanities) HEC recognized ‘Z’ Category
    ii. Journal of English Studies

RESEARCH COLLABORATION

- Foreign Linkages
  o St. Andrews University, Scotland

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

- Research & Development – An Overview
  o A Research Wing was introduced with its various operating desks. In its first phase a Translation Desk was launched:
Translation desk (French – English/Urdu and vice versa):
  o Professional / legal documents; Regular / personal documents;
  o Latest research papers, articles and reviews;
  o The translation desk aims to provide authentic translation services to the public sector and to facilitate mutual collaboration at international level especially with the French counterparts. It addresses various businesses and multinational companies, online sales and advertisements, and those who plan to pursue higher education abroad.

- Projects: Ongoing
  o A project entitled “French translation of Iqbal’s persian poetry” was initiated in October 2011 by Dr. Saleha Nazeer on the advice of certain French scholars who remarked that since many decades no work on the French translations of Iqbal’s thought was done. The few translations that exist were found to be deviating from the main Iqbalian themes as they were carried out through secondary source and not from the original Persian/Urdu texts. The current study focuses Allama Iqbal’s thought through analysis and translations of Iqbalian texts in French. Various literary constructions and social themes that Iqbal’s poetry has addressed, are being annotated as per requirement of the translated sections so as to provide an easier comprehension of Iqbalian themes to the foreign reader with their philosophical explanations. In the first phase of the project, poetic collections from Iqbal’s “Armaghan-e-Hijaz” are currently being translated from Persian to French.

- Publications
  o Dr. Saleha Nazeer’s research article in French, “Traduire la khudi iqbalienne”, based on her participation in an international conference in France, got published in Revue E-crit, No. 4, Traduire pour découvrir ou pour neutraliser, Journal of linguistics published by the University of Franch-Comté, Besançon, France, may 2012.

- Conferences, Seminars and Workshops etc.
  Organization:
  o A Teachers Training Workshop for French Online Programme was organized on 25.6.12 at the Main Library, University of the Punjab. This training session was conducted by Dr. Saleha Nazeer. The focus of this workshop was to train the Teachers to conduct online sessions to teach French language. Various pedagogical areas of the French online-course web site were explored and practiced by the attendees.
  Dr. Saleha Nazeer participated in the following international / national conferences and workshops:
  o Turnitin Webinar on “Getting students started with Turnitin, 4th Sept. 2012.

o Workshop on “Research Ethics, Endnote and Turnitin, held at Library & Information Sciences Department, Punjab University, 25th-26th Sept. 2012.

o Training session on “Qualitative Research using “NVivo” Software - Hands-on-Practice “ by HEC held at the Undergraduate Block, Punjab University, 7th July 2012.

Paper Presentation:

o Dr. Saleha Nazeer presented paper on « Lecture des textes plurilingues d’Iqbal » in an International conference on Traduction, plurilinguisme et langues en contact : traduire la diversité, organized by LLA-CREATIS (Lettres, Langage et Arts – Création, recherche, Emergence en Arts, Textes, Images, Spectacles, EA 4152) at the University of Toulouse le Mirail, France, 18th-20th October 2012.

Other Academic Events:

<table>
<thead>
<tr>
<th>Events</th>
<th>Date</th>
<th>Chief Guest(s)</th>
<th>Venue</th>
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</thead>
<tbody>
<tr>
<td>Journée de la Francophonie (Francophony Day Celebration)</td>
<td>5-4-2012</td>
<td>French Ambassador and Vice Chancellor &amp; students</td>
<td>Al-Razi Hall, Undergraduate Block, PU.</td>
</tr>
<tr>
<td>Guest Lecture by Dr. Aamir Khan (LUMS)</td>
<td>5-7-2012</td>
<td>Teachers and students from English and French departments</td>
<td>English Department</td>
</tr>
<tr>
<td>Certificate Distribution Ceremony</td>
<td>12-9-2012</td>
<td>Prof. Dr. Zakria Zakar</td>
<td>French Department</td>
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</table>

**Journée de la francophonie (Francophony Day)**:

o As a part of its "Journée de la francophonie" celebrations, an inter-institutional speech contest in French was organized by the French department in April 2012. French departments from 6 institutions, universities, colleges, institutes participated in the event. The speech title was:

**Is today’s education adequate for the character building of our new generation?**

o Amongst the six institutions that participated in the speech contest, Aitchison College got 1st prize, Alliance Française stood second and Kinnaird College bagged the third prize. The speech topic was “Is today’s education adequate for our character building?” The students from LUMS, Lahore College for Women University and Fatima Jinnah Girls College also took part in the contest.

o The French Ambassador in Islamabad, Mr. Philippe Thiebaut, the Cultural Counselor from the French Embassy Mr. Frederic Bessat, the Director Alliance Française Lahore Mr. Dominique Scobry and the Vice Chancellor Punjab University Prof. Dr. Mujahid Kamran were the honorable guests at the occasion.

o Speaking at the occasion, the French Ambassador Mr. Philippe Thiebaut said that Pakistan is one of the largest trade partners of European Union, adding that his country will promote relations between the two societies. He also said they were keen to enhance Pakistani exports to Europe.
He added that French was not only a language of art and culture but also a huge literature of science and economics was available in the language. Prof Mujahid Kamran said that the Francophony Day was the best opportunity for the students to express better in the language they were learning. He urged the students to learn French and other important languages of the world. He thanked the French Ambassador for collaboration with PU’s French Department and lauded the efforts of Prof Dr Saleha Nazeer.

- Dr. Saleha Nazeer highlighted major achievements of the department and announced launch of 4 years BS (French) in the upcoming session. She said it was after a lapse of almost 40 years that the French Department had a faculty member with PhD in French. She hoped to strengthen the Department by planning MPhil / Ph.D programmes in future.

**Guest Lecture on French Literature:**

- Dr. Aamir Khan, Associate Professor of Marketing at the Suleman Dawood School of Business (SDSB), LUMS delivered a literary talk titled, The Author is Dead: Meaning and Interpretation of French literature in the 17th, 18th and 19th centuries, at the University of Punjab (PU) on Wednesday, July 5, 2012.

- The talk was attended by the students and faculty of both the French and English Literature departments at PU. The focus of the discussion was on the role of “first person” in the 18th century novel, including both the memoir novel (Manon Lescaut by Abbe Prevost and La Religieuse by Diderot); the epistolary novel (Liaisons Dangereuses by Laclos). Then, the evolution of third person narration which started in the first half of the 19th century, was discussed for which Stendhal’s masterpiece, “Le Rouge et Le Noir” was taken as an example.

- During the session, the text from Le Rouge (Julien Sorel’s role) was also thoroughly analysed. Since the audience included students and faculty from post graduate level the discussion was a bit technical but the idea was to see how the narrative structure of the novel both constrains the novelist and allows him to experiment. In the end, it is up to the reader to find the interpretation that best stands the test of criticism, without referring to what the novelist really means. Dr. Khan and the audience both discussed other relevant work, both in the novel genre (Madame Bovary, Crime and Punishment, but also the novels of D. H. Lawrence) and in other genres, including 17th century French tragedy (Racine’s plays) and even the movies (Predator, Rab nay bana di jori).

- The audience, comprising of brilliant researchers, asked probing questions and made insightful comments. Overall the session was very knowledge enriching experience with a thorough exchange of perspectives which were thought provoking for many.

- The session concluded at the certificates distribution ceremony to the French language students.
DEPARTMENT OF HISTORY

- Research & Development – An Overview

The Department was established in 1932, with J.F. Bruce as its First Professor. It soon earned recognition owing to its high standard and expertise in a wide range of historical discipline. The Department since then stands as one of the elite and largest History Departments among the various Universities of Pakistan. It is a pioneer Department in South Asia for advanced studies and enjoys in status of premier and prestigious institution having fostered members of Faculty in other Universities. Initially, local colleges cooperated with the Department in organizing post-graduate teaching. Eminent scholars and professors contributed towards its advancement from time to time. Those who rendered invaluable services include Professor J.F. Bruce, Prof. Dr. A.L. Sirivastava, Prof. J.D Ward, Sir Montgomery Hyde, Dr. Ishtiaq Hussain Qureshi, Prof. Dilawer Hussain, Prof. Sh. Abdur Rashid, Prof. Dr. Abdul Hamid, Dr. Zafarul Islam, Dr. Zawar Hussain Zaidi, Syed Ali Abbas, Prof. Dr. Yar Muhammad Khan, Prof. Muhammad Aslam, Prof. Ikram Ali Malik, Prof. Dr. Sadiq Ali Gill and Prof. Qamar Abbss. 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.

Department is planning to greatly strength the Ph.D programme. Three students have completed Ph.D and Eight students have been completed M.Phil in History and in this connection our Four teachers are currently working on their Ph.D dissertations’. They are expected to complete their Ph.D in 2013.

- Students Completing their Ph.D
  - Eight students doing Ph.D from History Department as regular

- Publications
  1. Articles of Prof. Dr. S.Qalb-i-Abid
  2. Articles of Mrs. Rukhsana Iftikhar
  3. Articles of Mr. Mahboob Hussain

<table>
<thead>
<tr>
<th>Authors Name</th>
<th>Book/Article Name</th>
<th>Journal with date</th>
<th>Duration</th>
<th>Sponsoring</th>
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<tbody>
<tr>
<td>Prof. Dr. S.Qalb-i-Abid</td>
<td>The Palestine Problem in International Politics (Book)</td>
<td>January 2012</td>
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<td>Self</td>
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<td></td>
<td>Articles</td>
<td>Journal of Research Society of Pakistan Vol-49 January-June 2012</td>
<td>Six Months</td>
<td>Nil</td>
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<td></td>
<td>1. The Nehru Report and After</td>
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<tr>
<td>Mrs. Rukhsana Iftikhar</td>
<td>Lahore Class for Women in Mughal India</td>
<td>Research Journal of South Asian Studies Vol. 27 January-June 2012</td>
<td>Six Months</td>
<td>Nil</td>
</tr>
<tr>
<td>Mr. Mahboob Hussain</td>
<td>Eighteenth Amendment in the Constitution of Pakistan: Success and Controversies</td>
<td>Asian Social Sciences Vol. 8 June 2012</td>
<td>Six Months</td>
<td>Punjab University</td>
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- Conferences
  - International Conference on Pakistan Challenges to Democracy Governance and National Unity held on 24th-25th October 2011 (Joint Conference History and Pakistan Study Center) sponsoring and Funding by the Higher Education Commission and University of the Punjab, Lahore.

RESEARCH COLLABORATION

- Indigenous
  - 3 Students are doing Ph.D though HEC 5000 indigenous Scholarship

DEPARTMENT OF LITERARY HISTORY

- Research & Development – An Overview
  - A Literary History of Muslims of Indo-Pak is being prepared. So far, four volumes have been published by the University Press. Volume four appeared in the year under review.
  - Volume fifth is already complete and has been sent to the press for printing.

- Publications
  - The Director got published the articles as detailed below:
    - Two articles titled “Iqbal ki urdu sha’iri mein ha’yet k tajrebat” and “Iqbal aur fascism” were contributed to the “Encyclopeadia of Iqbal” being prepared by the Department of Iqbal studies P.U. Lahore.
    - Analysis of a poem of N.M. Rashid
    - “Ma’yaar (7), June 2012. International Islamic University, Islamabad.

DEPARTMENT OF PHILOSOPHY

- Publications

<table>
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<tr>
<th>Sr. No.</th>
<th>Name of Author</th>
<th>Title of Paper/Article/Publications</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Abdul Hafeez</td>
<td>The way of Shahideen: The construction of a Quranic theology of sufism in <em>Tafseer-e-Fazli</em> Published in International Journal of Humanities, and Social Sciences (IJHSS) special Issue Vol. 2 NO. 16, (August 2012), P.P. 259-275, USA</td>
</tr>
</tbody>
</table>
### Sr. No. | Name of Author | Title of Paper/Article/Publications
--- | --- | ---
1 | Dr. Ali Raza Tahir | 2. Antinomy of free will and pre-Ordered sustenance *(IJHSS)*, Vol. 2, No. 19 (October 2012) USA, P.P. 192-194  
3. Number of verses of the Quran (Index and Argument) *(IJHSS)*, Vol. 2, No. 19 (Oct, 2012) USA, P.P. 264-267  
4. Knowledge of Allah’s pleasure (Rada) and knowledge of Allah’s will (Mashiyat) *(IJHSS)*, Vol. 2, No. 19 (Oct, 2012) USA, P.P. 298-300

### CENTRE FOR SOUTH ASIAN STUDIES
- **Research & Development – An Overview**
  - 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) is a regular and valuable publication of the Centre. The Centre has organized more than 110 Seminars on different topics of national and international importance. More than 185 dignitaries of national and international repute have also visited the Centre on different occasions.
  - During the period from October 2011 to September 2012, the Centre has organized seven seminars as well as one National Conference on “Pakistan’s Internal and External Security: Challenges and Options” in collaboration with Department of Political Science, University of the Punjab, Lahore. The Centre has published five publications (2 books and 2 issues of its Bi-annual journal - South Asian Studies i.e. Vol.26 No.2 & Vol. 27, No.1).
- **Publications**
  - **Books:**
    - Prof. Dr. Muhammad Jahangir Tamimi, *Zawal Say Iqbal Tak*, 2011
    - Prof. Dr. Umbreen Javaid, *Peace Building in South Asia: Limitations and Prospects*, 2012
  - **Articles:**
<pre><code>| Sr. No. | Name of Author | Title of Article |
| --- | --- | --- |
| 1 | Prof. Dr. Umbreen Javaid | &quot;Partnership in War on Terror and Mounting Militant Extremism in Pakistan&quot;, South Asian Studies, Vol.26, No.2, P.227-239, December, 2011, Centre for South Asian |
</code></pre>
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Author</th>
<th>Title of Article</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>Muhammad Rashid Khan (Co-Author)</td>
<td>“Peace Journalism and Conflict Reporting : The Case of Pakistani Media”, South Asian Studies, Vol.26, No.2, p.311-324, December, 2011, Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore</td>
</tr>
<tr>
<td>3</td>
<td>Prof. Dr. Umbreen Javaid</td>
<td>Socio-Political Status of Muslims in India : Post Partition”, South Asian Studies, Vol.27, No.1, p.7-19, January-June 2012, Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Muhammad Rashid Khan</td>
<td>“Nuclearization of South Asia : A Discourse Analysis of the Hindustan Times and Dawn”, South Asian Studies, Vol.27, No.2, p.421-438, July-December 2012, Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore</td>
</tr>
<tr>
<td>7</td>
<td>Ms. Naheed S. Goraya (Co-author)</td>
<td>“Ethnic Factor in Afghanistan”, Journal of Political Studies, Department of Political Science, University of the Punjab, Quaid-e-Azam Campus, Lahore, Vol.19, No.2 (Winter 2012)</td>
</tr>
<tr>
<td>9</td>
<td>Ms. Naheed S. Goraya (Co-author)</td>
<td>“Balochistan (From Strategic Significance to U.S. Involvement)”. Journal of Political Studies, Department of Political Science, University of the Punjab, Quaid-e-Azam Campus., Lahore, Vol.19, No.1 (Summer 2012)</td>
</tr>
</tbody>
</table>

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

**Conference:**
- National Conference on “Pakistan’s Internal and External Security: Challenges and Options” was held on 08.03.2012. The conference was organized by the Centre for South Asian Studies in collaboration with Department of Political Science, University of the Punjab, Lahore.
**Seminars:**

- Importance of Islam and Existence of Pakistan, held on 05.01.2012 at 12.00 p.m. The Seminar was held by Department of Political Science in collaboration with Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore. Students and teachers of both the departments attended the seminar.

- Muslim Ummah Kay Masail aur un ka Hal held on 08.02.2012 at 12 p.m. The seminar was held in collaboration with the Department of Political Science, University of the Punjab, Lahore. Mr. Aneeque Ahmad from Dunya T.V. was the keynote speaker. Prof. Dr. Umbreen Javaid welcomed the speaker and scholars from the Centre as well as Department of Political Science.

- Human Rights in South Asia with Special Reference to Pakistan held on 22.11.2012 at 11:30 a.m. The seminar was held in collaboration with the Department of Political Science, University of the Punjab, Lahore. Mr. Muhammad Yousaf, Deputy Director, Human Rights Department, Government of Punjab, Lahore, was the keynote speaker. Prof. Dr. Umbreen Javaid welcomed the speaker and scholars from the Centre as well as Department of Political Science.

- Realigning Options, Outlets and Opportunities for a Post-2014 Afghanistan held on 27.11.2012 at 12:00 p.m. The seminar was held in collaboration with the Department of Political Science, University of the Punjab, Lahore. Dr. Najam Abbas, Senior Fellow focusing on Central and South Asia, East West Institute, Belgium, was the keynote speaker. Prof. Dr. Umbreen Javaid welcomed the speaker and scholars from the Centre as well as Department of Political Science.

- Dismemberment of Pakistan: December 16, 1971 held on 18.12.2012 at 11:00 a.m. in the Auditorium of the Centre. Lt. Gen. Naseer Akhtar and Mian Mehboob Ahmed, Ex-Chief Justice, were the keynote speakers. Prof. Dr. Umbreen Javaid welcomed the speakers and scholars from the Centre as well as Department of Political Science for their participation in the seminar.

- Application of Psychology to War and Peace The seminar was held by the Department of Political Science in collaboration with the Centre for South Asian Studies, in the Al-Razi Hall, Undergraduate Block, University of the Punjab, Lahore, on 20.12.2012 at 10.00 a.m. Dr. Daniel J. Christie, Professor Emeritus, Peace and Conflict Studies, OPhio State University, USA was the keynote speaker. Prof. Dr. Umbreen Javaid welcomed the speaker and scholars from the Centre as well as Department of Political Science for their participation in the seminar.

- Research Methodology in APA (A one day workshop) held on 28.01.2013 at 11:00 a.m. in the Auditorium of the Centre. Prof. Dr. Khalid Mahmood from Department of Library and Information Science, University of the Punjab, Lahore, delivered lecture on the subject. The workshop was held in collaboration with the Department of Political Science. Prof. Dr. Umbreen Javaid, Director of the CSAS welcomed the M.Phil/Ph.D. scholars from the CSAS/Department of Political Science.

**Research Journals**

Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore, regularly publishes a Bi-Annual Research Journal, South Asian Studies. The following issues have been published during the required period.
o South Asian Studies, Vol.26, No.2, December, 2011, Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore

o South Asian Studies, Vol. 27, No. 1, January, 2012, Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore.

RESEARCH COLLABORATION

• Funding Grants for R&D
  o Research - Rs. 1,47,82000

PAKISTAN STUDY CENTRE

• Research & Development – An Overview
  o 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.
  o The Centre publishes research works in shape of books, monographs as well as in our research journal 'Pakistan Vision'. 40 books have been published so far.
  o The Centre’s research journal, 'Pakistan Vision', is published bi-annually. It has been recognized by Higher Education Commission and has been made available on Centre’s website.
  o 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.
  o The Centre is organizing international conferences, seminars, the special lectures and 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
  o The Centre has published 1 book titled 'Punjab Politics: Diarchy to Partition', two issues Vol. 12, No. 2, December 2011 & Vol. 13, No. 1, July 2012 of research journal, Pakistan Vision, two issues of quarterly India Desk.

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

  Book:
  o Punjab Politics: Diarchy to Partition’

  Research Journal:
  o Pakistan Vision, (Journal) Vol. 12, No. 2, December 2011
Regional Publications:
- India Desk, January-March 2012
- India Desk, October-December 2011

- Conferences, Seminars and Workshops etc.
  - Seminar on ‘Pakistan: Between Afghanistan and India’ on Thursday, October 18, 2012. Keynote Speaker: Prof. Dr. Piotr Balcerowicz, Professor of International Relations, Chair of South Asia, Faculty of Oriental Studies, University of Warsaw, Poland.
  - Seminar on ‘Pak-China Relations: Trade & Economic Cooperation’ on Thursday, April 19th, 2012. Keynote Speaker: Mr. Zhou Ruguang, Vice-President, Xuzhou Normal University, China
  - Special lecture on ‘PhD Thesis Writing’ on Friday, February 24, 2012. Keynote Speaker: Prof. Dr. Bettina Robotka, Institute of Asian and African Studies, Humboldt University of Berlin, Germany
  - Seminar on ‘Mohammad Ali Jinnah’s vision of Pakistan’ on Wednesday, January 4, 2012. Keynote Speaker: Mr. Qayyum Nizami, Renowned Author & Researcher
  - Seminar on ‘Recent Irritants in Pak-US Relations’ on Monday, November 14, 2011, Keynote Speaker: Mr. Dennis Kux, Former Ambassador and Author

- Publication of Research Journal Pakistan Vision
  Two issues of the bi-annual research journal, ‘Pakistan Vision’, were published during the period under review.
  - Pakistan Vision, Vol. 13, No. 1, July 2012
  - Pakistan Vision, Vol. 12, No. 2, December 2011

Following research articles were included in the last two issues of ‘Pakistan Vision’.
  - Pakistan Vision, Vol. 13, No. 1, July 2012
    - Jean-Luc Racine, Pakistan’s Predicament: The Diagnostic And The Debates Within
    - Michel Boivin, Pakistan as a topic in French academia: Challenges and resistance
    - Massarrat Abid/Qalb-i-Abid, The Unionist Support for War Efforts
    - Ahmad Ejaz, United States - India Relations: An expanding strategic partnership
    - Safdar Ali Sherazi, Temporal Analysis of Land Use and Land Cover Changes in Lahore-Pakistan
    - Naumana Kiran, Political Stability in Pakistan: Regionalism and Role of Cabinet (1947-1958)
    - Qalb-i-Abid/Massarrat Abid, Punjab and the Extension of Reforms Package
  - Pakistan Vision, Vol. 12, No. 2, December 2011
    - Sajida Shabbir, Struggle for Muslim Women’s Rights in the British India (1857 – 1947)
    - S. Qalb-i-Abid / Massarrat Abid, Boundary Commission Tilting in favour of “Other Factors”
    - Muhammad Hassan, Causes of Military Intervention in Pakistan: A Revisionist Discourse
- Massarrat Abid/ S. Qalb-i-Abid, Beginning of the Indo-Pakistan Disputes: British Secretly supporting Indian Government
- Ayesha Shehzad, The Issue of Ethnicity in Pakistan: Historical Background
- Rizwan Ullah Kokab, Constitution Making in Pakistan and East Bengal’s demand for Provincial Autonomy (1947-58)
- Taimur-ul-Hassan / Munawar Sabir, Portrayal of NGOs in National Press
- M. H. Bukhari/Ejaz Ahmad Sayal, Emerging Climate Changes and Water Resource Situation in Pakistan

RESEARCH COLLABORATION

- Indigenous
  - The Centre has been collaborating with various universities and national and 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
  - A five member delegation Xuzhou Normal University, China visited the Centre and a MoU was signed between Pakistan Research Centre, Xuzhou Normal University, China and Pakistan Study Centre, University of the Punjab, Lahore.

- Funding Grants for R&D
  - Applications to HEC and Punjab University for Grants of Research Projects have been made and positive response has been received.

RESEARCH SOCIETY OF PAKISTAN

- Publications
  - Books Reprinted
    - The Emergence of Pakistan
  - Books Printed
    - Sardar Dyal Singh Majithia, The Establishment of Punjab University
    - Gamal Abdul Nasser and After the Palestine Problem in International Politics
    - The Creation of Pakistan
  - Books Under Press/Print
    - Pakistan, Challenges to Democracy, Governance and National Unity
    - Partition and Anglo-Pakistan Relations 1947—51
    - Pakistan Movement, Muslim League - Congress and the British
    - Punjab Politics, Dyarchy To Partition

- Number of Books in the Library
  - The total number of books in the library of the Research Society of Pakistan is 8845
Number of Publication
- Titled of Books so far books published by the Research Society of Pakistan 108 Books.

- Research Journals
  - Published in January- June 2011
  - Published in July - December 2011
  - January to June 2012

COLLEGE OF ART & DESIGN

- Research & Development – An Overview
  - The Research Centre of the College was established in 2003. The centre was designed to produce creative and intellectual manpower in the field of Fine Arts.

- Publications
  - The College has published its first research journal, entitled “JAMAL” a journal of aesthetics. However, the HEC Criteria in the subject of fine Art (Studio Practice) regarding Research and Publications is in the form of Art Exhibitions and other professional activities of outstanding and substantial level. The research work of the faculty comprises of exhibitions and design projects apart from research publication as well. The Research articles are followed by a list of exhibitions.

- Conferences, Seminars and Workshops etc.

Prof. Dr. Rahat Naveed Masud

Exhibitions in Foreign Countries
- 2012 Participated in a group show at Noyes Arts Center, Chicago USA from January 6 to January 16 2012.
- 2012 Art-Avis a Painting Show organized at Hamail Art Gallery, Dubai.

Exhibitions in Pakistan
- 2012 Exhibition of Painting by Women Artists organized by PNCA, Islamabad.
- 2012 Inaugural Show Ze-Grill Art Café, Ejaz Art Gallery, Lahore.
- 2012 Inaugural Show Color Art Gallery, Lahore.
o 2011  Solo Show Ishq Series, Art scene Gallery, Karachi.
o 2011  Solo Show Ishq Series, Ejaz Gallery, Lahore.
o 2011  Exhibition on Anwar Afzal Students & contemporaries, Ana Molka Art Gallery, College of
Art & Design, University of the Punjab, Lahore.
o 2011  Participated in the exhibition on Faiz art prize, organized by Nukta & Faiz Foundation,
Karachi.
o 2011  Group Show, Co-opera Art Gallery.
o 2011  Group Show, Vogue Art Gallery.
o 2011  Passage through Pakistan, Royaat Gallery, Lahore.

Papers/Lectures/Seminars/Symposiums/Conferences
o  Participated in a symposium organized by Artist Association Punjab at Alhamrah Hall No. 3, The
Mall, Lahore on Saturday 07 May, 2011.
o  Organized a ceremony seminar in honour of Prof. Dr. Shaukat Mahmood recipient of Sitara-e-
Imtiaz on 6th May, 2011.
o  Presented a documentary in the 6th Annual HSS Conference from 25-27 March, 2011 at Lahore
University of Management Science, Lahore. Pakistan.
o  Attended a National Conference on National Interest and Responsibilities of the State organized
by Artist Association of Pakistan in 2011.
o  Gave a presentation on the recent exhibition Ishq series, on Wednesday 2nd March, 2011 at
College of Art & Design.
o  Organized the visit of a USA delegation of Rotary Club of Wilmington, Delaware's to the College
of Art & Design, University of the Punjab on Thursday, the 17th of February 2011.
o  Organized an exhibition and workshop by Australian artist, Mr. Murtaza Haq at Anna Molka Art
Gallery, College of Art & Design on 4th July, 2011.
o  Organized a Talk by Ejaz ul Hassan "five Decades of Painting of Painting" at College of Art &
Design.
o  Organized a Seminar & Exhibition on Zubeda Javed eminent painter and alumni of the College.
o  Organized a reference in memory of late M. F. Hussain, a famous Indian Poet will be held on
Monday 27th June, 2011.
o  Organized a seminar in honour of Prof. Anna Molka Ahmad on 7th June, 2011.
o  Helped to organize a seminar by Mr. Ahmad Javed, an eminent scholar and humanist on 26 May,
2011 at College of Art & Design.
o  Conducted a Seminar at Middlesex University London by presenting a documentary film on
Shrine Culture 2012
Research and Development

Annual Report 2011-12

- Read a paper on Artist and World Today at Alhamra organized by Punjab Artists Association on May 2012.
- Read a paper on  at Alhamra International Conference on Literature & Culture 14-16 May, 2011.
- 2011- Presentation of documentary films. Prayers & Popular Culture at "THAAP" lecture series.
- 2012- Chaired Session at THAAP Conference, "Life in Small Towns".

Maliha Azami Aga

- Read a paper in a Seminar on Art & Culture, titled: "New Movements in Pakistani Art". Organized by PNCA, at the AlHamra, Lahore. 2011.
- Conducted and compered the International Dance Day Show at the Avari Hotel, organized by PNCA. 2011.
- Attended a Seminar on "Organizational Intelligence", Punjab University, New Campus. 2011.
- Prepared the course outline/curriculum for the subject of Graphic Design, for the entire four years of B.F.A. (Hons.) and M.F.A.,(two-years programme), to be presented to the Board of Studies. 2011.
- Prepared the course outline/curriculum for the subject of Illustration, for B.F.A. (Hons.) and M.F.A.,(two-years programme), to be presented to the board of Studies. 2011.
- Participated in the 'Faiz Art Prize'. 2011.
- Appointed, as a subject specialist Punjab Public Service Commission. 2011.
- Invited as subject-specialist to conduct interviews, for the post of Lecturer, Fine Arts, in the Punjab Higher Education Department. November, 2011.
- Judged the all-Pakistan Paintings Show at King Edward Medical College. June, 2012.
- Organized and conducted the 26th Annual Exhibition of the Artists' Association of the Punjab, at the AlHamra in Lahore. February, 2012.
- Read a paper at the seminar organized by the AAP, at the AlHamra in Lahore. February, 2012.
- Conducted the seminar as stage-secretary, organized by the AAP, at the AlHamra in Lahore. February, 2012.
Research and Development

- Attended a workshop on "Art as a Therapeutic Force", conducted by Mr. AsimAmjad. 7th February, 2012.
- Visited Fountain House to interact with and assess the art-work of mentally impaired individuals. February, 2012.
- Contested and was successfully elected as Executive Member of the Academic Staff Association, University of the Punjab. February, 2012.
- Organized and arranged to send a group of more than 40 students from the College of Art & Design to GIK (Topi) to participate in the annual Art-Fest. February, 2011 & 2012.
- Contested and was successfully elected as Member Senate, University of the Punjab. June, 2012.
- Attended a condolence ceremony to pay tribute to the great Ustad Mehdi Hassan. 19th June, 2012.
- Attended a 'Dengue Awareness Week' campaign, as per the directive of the Chief Minister of the Punjab, at the College of Art & Design. August, 2012.
- Invited as subject specialist for conducting interviews for recruitment to the posts of Lecturer and Assistant Professor, by the Public Service Commission. August, 2012.
- Convenor of the Disciplinary Committee at the College of Art & Design.
o Convenor of the Library Committee at the College of Art & Design.

o Convenor and incharge of the Event Management Committee at the College of Art & Design.

o Member of the Semester Committee at the College of Art & Design.

o Executive Member of the Artists' Association of the Punjab, for more than 20 years.

o Treasurer of the Alumni Association of the College of Art & Design, university of the Punjab, Lahore.

Dr. Shahida Manzoor:

Seminars/Conferences:


o Attended the following seminar and conference:

o 2012: Attended a Seminar on "The Indus Religion & Its Beliefs" by Dr. Riffat Dar, Lahore College for Women University on 24th of Jan, 2012 at 11:00 a.m. in the Lecture Room of Research Centre, University College of Art & Design, Punjab University, Lahore.

2011: Attended an international conference on "Pakistan Challenges to Democracy, Governance and National Unity" organized by the Pakistan Study Centre & the Department of History, University of the Punjab, Lahore held at Law College Auditorium, University of the Punjab, Lahore on 24-25.10.2011.

Prof. Dr. Shaukat Mahmood

Book Published.

o Target Killings. Collection of 200 cartoons on political issues of national and international issues.


o Art Movements in the West (in Urdu). A text book for art students.

o Fatahpur Sikri Rediscovered: Book published by International Islamic University Malaysia, Kualalampur.

Paper Read/Presented:

o Contributed and read a paper on The magic of Rectangular Kufi in Islamic Architecture during the international conference held at the College of Art & Design, Punjab University, Lahore December 11-13, 2012.

Articles Published:

o Taq-i Qisra, the Great Arch of Ctesiphon, Sunday Plus of Daily The Nation, October 23, 2011.

o Khirki Masjid, Delhi, Sunday Plus of Daily The Nation, November 27, 2011.


o Mughal love for Cypress trees, The Heritage Issue, 14, March 2012.

o Rohtas Fort is falling down, Sunday Plus of Daily The Nation, April 08, 2012.
- Vanishing Architectural Heritage of Sindh-2, Sunday Plus of Daily The Nation, June 17, 1012.
- Tomb of Halicarnassus, One of the Seven Wonders of Ancient World Heritage Issue 15.
- Tomb at Halicarnassus, One of the Seven Wonders of the ancient World, Heritage, issue 15, Islamabad.
- As a Cartoonist under nom de plume of Maxim
- Professional cartoonist in various leading dailies, weeklies and monthlies of Pakistan
- Have given demonstration on cartoon drawing on Pakistan Television, Lahore station,

Mrs. Kahkashan Jafri
- 23.11.2011. Was invited as subject specialist for the interviews at Punjab Public Service Commission, for the post of Lecturer Fine Arts in the Punjab Higher Education Department.
- 7th January 2012, attended meeting of the Academic Committee of the National College of Arts Lahore. Deputed by the Principal.
- Monday 23rd - 26th January 2012, interviewed candidates for Needy Scholar Ships, based on merit.
- 2011, Prepared syllabus for BFA III and BFA IV Annual System for the Fine Arts (Painting, Sculpture, Graphic Arts) Students.
- In June 2012, organized a seminar and Exhibition in honor of Mrs. Zubeida Javed, in the College of Art & Design.
- Appointed as an internal paper setter for Masters of Art Examination 2012 in the Paper III, “Techniques of Painting” for the University of Gujrat.
- 7th August 2012 was invited as subject specialist for conducting interviews for recruitment for the posts of Lecturers and Assistant Professor by Federal Public Service Commission.
- In 2011, prepared curriculum for MFA 2 years Programme for the Fine Arts Section (Painting, Sculptures, Graphic Arts).
17th September, 2012, interviewed candidates for the post of Lecturers Conducted by Federal Public Service Commission.

May 28th 2012 worked as a paper setter, assessor, and Examiner, for the University of Gujrat in BA and MA in the Subject of Fine Arts.

4th June 2012, organized students' participation in the 8th Annual Painting, Sculpture Exhibition at King Edward Medical University.

May 29th 2012, Reviewed the scheme of studies with comments and suggestions for the BFA 4 years degree programme to be approved by the HEC, Curriculum of Fine Arts at the Lahore College University.

Organized and guided students for participation in Anti drug Painting competition and Exhibition 20th May, 2012

April 19th 2012 for the faculty, students and staff, of the College of Art & Design Punjab University, Organized an interactive talk by Mr. Naeem Zamindar, on “Art of Living” programme in Pakistan.

March 18th 2012 organized a painting and Calligraphy competition for SACH organization.


Feb, 2012, organized the opening of “Gosha e Behzad o Maani” at the College of Art & Design.

1st March 2012 organized to send about 30 students from our College for competition participation in ten different categories at the 9th Naqsh All Pakistan Art Festival.

Preparation of time tables for MA I,II, MFA, BFA I,II,III,IV Fine Arts (Painting, Sculpture, Graphic Arts) for both the semesters.

In 2012, Attended series of Lectures by different scholars on “Iqbal Shanasi” at Dabistaan-e-Iqbal.

In 2011, Attended series of Lecturer by Mr. Ahmad Javed on Mir Taqi Mir's Poetry.

Attended a lecture organized by Mani Shankar Aiyar, organized by Iqbal Ahmed Foundation.

Attended various lectures organized by the Faiz Foundation on politics, Art, literature, Performing Arts, Film Making.

At Halqa-e-Danish, Lums, Attended series of Lecturers on Urdu Literature.

Executive members Punjab Artists Association since 20 years.

Member Federal Public Service Commission as subject specialist.

**Mr. Isar Kamran**

**Articles Published:**

The focus of the article was to highlight the interactional space in the cultural heritage arena to perceive on the human eye level. Article was published in designer style magazine in June, 2012.
o Attended the IAP's Annual Convention on architecture and materials held from June 15, 2012 to June 17, 2012 at Expo Centre, Johar Town, Lahore, titled "Architecture as an Expression of Poetic Spaces ".

o Attended a Conference conducted by "Trust for History, Art and Architecture Pakistan" in 2012 over "Life in Small Towns" at Gulberg, Lahore.

o For the purpose to explore the new materials for buildings and sanitary fixtures manufactured by Master Tiles Industry.

o Construction of Gosha-e- Bezd-o-Mani a interactional space for students in CAD, Punjab University, Lahore for students social activities.

o Designing and consultancy for the new building of Islamic Department in New Campus, Punjab University, Lahore.

**Intellectual Achievements :**

o The amazing blending of Culture .The focus of the article was to highlight the interactional space in the cultural heritage arena to perceive on the human eye level. Article was published in designer style magazine in June, 2012.

**Published Social Activities :**

o IAP Lahore Annual Convention 2012 Attended the IAP's Annual Convention on architecture and materials held from June 15, 2012 to June 17, 2012 at Expo Centre, Johar Town, Lahore, titled "Architecture as an Expression of Poetic Spaces."

o THAAP Conference Conference conducted by "Trust for History, Art and Architecture Pakistan" in 2012 over "Life in Small Towns" at Gulberg, Lahore.

**Industrial Linkage :**

o Master Tiles & Ceramic Industries Limited, Gujranwala.For the purpose to explore the new materials for buildings and sanitary fixtures manufactured by Master Tiles Industry.

**Professional Work:**


o Islamic Department, Punjab University, New Campus, Lahore. Designing and consultancy for the new building of Islamic Department in New Campus, Punjab University, Lahore, Completed in 2012.

**Habib Alam**

o Participated in a Rally of College of Art & Design, University of the Punjab against NATO attack at Shams Air Base 30-11-2011,

o Attended a lecture of Vice Chancellor Punjab University on Pakistan & Global Affairs, at senate hall old campus 12-12-2011.
o Attended the reference of Mrs. Anwar Afzal at Anna Molka Art Gallery College of Art & Design, University of the Punjab 05-01-2012.
o Attended Opening of "Gosha e Behzad o Mani" by Dr. Mujahid Kamran Vice Chancellor University of the Punjab and Prof. Khalid Iqbal 18-01-2012.
o Member of Board of Studies and attended a meeting at College of Art & Design, University of the Punjab on 27th march 2012.
o Attended a lecture of Prof. Dr. Neelam Naz from UET on Naulakha Bazar 13-04-2012. I have also attended a lecture of Mr. Naeem Zamindar on "Art of Living Programme " 19-04-2012.
o Attended a seminar and tribute to Prof. Zubaida Javed June 2012.
o Attended a meeting with Principal and visit Brick Kiln to empowerment the Brick Kiln workers with ILO, (international Labour organization) September, 2012.

Sumera Jawad

o Research Publication titled Rise and Fall of cinema on McLeod Road, published in a book titled Portrait of Lahore, Thaap 2012, printed by Topical publications.
o Displayed a two person show Sumera Jawad and Faraz Ahmed at Nomad art Gallery, Islamabad. Pakistan.
o Participation in annual National show by AAP (Artist Association of Punjab).
o Participated in International Woman Day Paintings show at Alhamra art Gallery, March, 2012
o Participated in a travelling show organized by Punjab arts Council.
o Participated in an International conference.

Thaap Conference 2011

o PORTRAIT OF LAHORE: CAPITAL CITY OF THE PUNJAB, Organized by Thaap Organization.
o Attended a two days International conference organized by Thaap and attended a series of lectures. THAAP: Trust for History Arts and Architecture Pakistan
o Attended a lecture by Dr. Saif ur Rehman Dar at Lahore Museum, April, 2012.
o Attended a series of three day lectures at Lahore College Women University, Lahore
o Attended a lecture on Art and Philosophy, by Dr. Zafar Cheema, September, 2012, LCWC, Lahore
o Delivered a lecture on Methodology of Studio Based Research at LCWU (Lahore College Women University, Lahore), 20th September, 2012.

Students Activities/ Events

o Organized a book launch ceremony Masjid Wazir Khan Rediscovered by Mamoona khan, December, 2011
o Took part in organizing the opening ceremony of Gosha e Behzad o Mani, 24th Jan, 2012
o Took part in organizing the function, A Tribute to Zubeda Javed, 5th June, 2012.
Linkage with Industry/ Organizations
- A regular participant of Nomad Centre & Art Gallery and UN WOMEN campaign.
- Participated in International Women Day Exhibition, March, 2012 and my work is published in their annual calendar.

Articles Published:
- I have written few articles in famous newspapers.

Beenish Tahir
List of workshops, lectures etc
- Faculty orientation program 2012, 3rd to 6th July 8, 2012 Certificate of participation at the Institute of Administrative Science (IAS).
- Attended workshop at PUCAD on "A tribute to Dr. Zubaida Javed". June, 5, 2012.
- Attended seminar at PUCAD Research Deptt on "A morphological study of Nulakha Bazar" by Dr. Neelum Naz, UET, Apr, 13, 2012.
- Attended workshop at the TET Punjab University on "Importance of Global Textile Standards and Compliance Requirements" April, 5, 2012.
- Attended workshop at UMT on "Qualitative Data Analysis through Software NVIVO". Jan, 28, 2012.
- Attended seminar at PUCAD Research Dep't on "Religious Belief's of the Indus People" by Riffat Dar, LCW Jan, 24, 2012.
- Attended the event Gusha-e Bezad-u Mani on Feb 2012 at Punjab University (College of Arts & Design Department).

List of Projects
- April, 2011, redesigned the curriculum of 2 year Textile Design Master Program.
- Worked as Thesis Supervisor for BFA 4th year degree program at Punjab university (college of art and design).
- Worked as Thesis Supervisor for MFA 5th year degree program at Punjab university (college of art and design).

Invitation to different Universities:
- Invited as Chief Judge for a Poster/Art Competition on Environmental day by Govt. post Graduate Islamia College for Women, May 31-2012.
- Invited as a Juror at Sarghoda University for BA Fine Art (Textile) Thesis on Sep, 12-2011.

Farewell/Exhibitions:
- Attended students Thesis exhibition of BFA final year on 28 April to 1 May 2012 at Punjab University (College of Arts & Design Department).
o Attended student's farewell event on March 2012.

**Tassadduq Amin**

During Session 2011-2012, participated and duties performed.

- Attended a lecture by Dr. Safia Farooq regarding her Ph.D dated November 20, 2011.
- Attended the opening ceremony of solo exhibition at drawing room Art gallery dated November 19, 2011.
- Participated a rally of college of Art & Design, against NATO attack at shams Air base dated November 30, 2011.
- Attended a lecture by Vice-Chancellor on Pakistan & global affairs at Senate Hall old campus dated December 12, 2011.
- Attended a reference on Mrs. Anwar Afzal at Anna-Molka Art gallery January 05, 2011.
- Attended the opening ceremony of "Gosha e Behzad o Mani" by Vice Chancellor at College of Art & Design on January 18, 2012.
- Attended a lecture by Prof. Dr. Neelam Naz from UET on Noulakha Bazar April 13, 2012.
- Attended a lecture by Mr. Naeem Zamindar on, Art of living programs April 19, 2012.
- Attended a seminar and Tribute to Prof. Zubida Javed on June 2012.
- Attended a laptop Distribution Ceremony at University of the Punjab June 2012.
- For Book Fair 2011 in New Campus, I performed the duty of guiding the participants I the Book Fair.

**Syed Farjood Ailya Rizvi**

- 22nd November, 2011 IT seminar attended from Microsoft at Punjab University venue Razi hall at Thursday.
- 28th November, 2011 Monday digital image make up for prepress workshop for BFA vii 7th semester class teacher sir Israr Chishti communication design.
- 8th December, 2011 Thursday Poster competition marking for Directorate of Women Development, Punjab.
- 11th December, 2011 Thursday Poster Design for CAD PU M.S Art History programe.
- 9th January, 2012 Monday ticket Design "gosha-e-behzadomani" for CAD PU.
- 18th January, 2012 Tuesday Event "goshaebhzadomani" digital image production in CAD PU.
- 20th January, 2012 one day tour to Katas wth 1st year semester -I for photography
- 9th , 2012 Attended the workshop for research at naulakha bazar by Dr. Shaukat mehmood.
- 16th , 2012 Seminar "Art of living" by Naeem Zamendar at CAD, PU.
- 2nd May, 2012 9:30 am Chief Minister house 1 billion endowment Fund ceremony participated.
- 4th Jun,2012 back drop design for tribute to eminent painter Zubeda Javed assigned by principle Rahat.
Azmat Ali

- Solo exhibition "SIRAAT-E-MUSTAQEEM" Canvas gallery, Karachi.
- Preview Solo Exhibition "SIRAAT-E-MUSTAQEEM" Drawing Room Gallery Lhr.
- Participated in group show "The body in 6x3" at Koel Gallery, Khi.
- Participated in FAIZ ART PRIZE, SADAQUAIN Gallery, Khi.
- Participated "Tribute to Usman Ghani" at IVS Gallery, Khi.
- Participated "ICON" at Alhamra Gallery, Lahore.
- "SIRAAT-E-MUSTAQEEM" Catalog printed by Topical Printers Text by Prof. Salima Hashmi & Dr. Khalid Zaheer.
- "Form and Feeling" by Salwat Ali, Dawn Gallery, January 23.
- "Let a thousand flowers bloom" Review, Pakistan ART Review OCT. 28.
- "Review Let a thousand flower bloom" The express Tribune Jan. 12.
- Designed the new syllabus for MFA Painting for 2 years programme.
- Supervisor & Organized a thesis of BFA final.
- Attended a lecturer by Dr. Safia Farooq regarding her Ph.D 20.11.2011.
- Attended a dinner by the Principal regarding newly appointed faculty members 30.11.2011.
- Participated a rally of College of Art & Design, against NATO attack at Shams Airbase 30.11.2011.
- Attended a lecture by Vice-Chancellor on Pakistan & Global affairs at Senate Hall, old campus 12.12.2011.
- Curated a exhibition & reference Mrs. Anwar Afzal at Anna Molka Gallery 05.01.2012.
- Attended an opening ceremony of "GOSHA-E-BEHZAD-O-MANI" by Vice-Chancellor at College of Art & Design 18.01.2012.
- Attended a seminar and tribute to Prof. Zuhaib Javed, June, 2012.
- Attended a laptop distribution ceremony as organizer at University of the Punjab June 2012.
- Curated a group show of students from 2001 to 2010 at Anna Molka Gallery, Lahore.
- Curated a group show for a delegation at Anna Molka Gallery.

Mughees Riaz

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 Oct 2011</td>
<td>Solo Exhibition</td>
<td>Solo exhibition of painting at Canvas Art Gallery, Karachi,</td>
</tr>
<tr>
<td>Jan 2012</td>
<td>Group Exhibition</td>
<td>Through their eyes &quot;18 Artist Group Show&quot; at Art Asia Gallery, DHA Lahore.</td>
</tr>
<tr>
<td>Feb 2012</td>
<td>Participation Exhibition</td>
<td>26th Annual Exhibition of Painting Sculpture Graphic Arts, Artist Association of Punjab, at Al-Hammra Art Galleries, Lahore.</td>
</tr>
</tbody>
</table>
5 Mar 2012 | Conducted MFA Painting thesis to 18 Students at College of Art & Design, Punjab University, Lahore.
---|---
31 Mar 2012 | Participation Exhibition "66 statements" at Gallery 6, Art Gallery Islamabad.
11 Apr 2012 | Group Exhibition Painting Exhibition “Band Baja Barat” at IVS Gallery Karachi.
Jun 2012 | Group Exhibition “Summer Art Show” at Nomad At Gallery, Islamabad.

**Khalifa Ahmed Muiz**
- According to HEC criteria for Architectural studio practice the projects done and other professional activates of outstanding and substantial level are also considered as "Research & Publication". In this regard, following projects were done during the period mentioned above i.e. 01-10-2011 to 30-09-2012.
  - Residence renovation plan for M.r Ahmed, Lahore.
  - Architectural conservation plan for Lahori Gate, Lahore.
  - Rehabilitation plan for flood affectless of Shah Wali Basti, Muzaffer Garh.
  - Architectural conservation plan for Bhati Gate, Lahore.
  - House design for Mr. Sajid Qayyum, Lahore
  - House design for Mr. Nouman Sajid, Lahore.

**Co- Curricular Activities**
- National workshop on "Report Writing" at "National centre for Rural Development" Islamabad.
- Thaap series Lectures. "Life in small Towns"
- International conference on "Life in small Towns" held under thaap.
- IAPEX 2012 held under IAP Lahore Chapter

**Student Activities (Sports)**
- Participated in inter college Badminton championship.
- Participated in inter college Football championship.

**Tours**
- Study tour to Naran to study planning on contours & indigenous Architectural Techniques.
- Study tour to Khanaspur.
- One day tour to katas to study katas Raj Temple.

**College Activities**
- Attended 23rd March celebrations.
- Attended Mehfile-e-Milad on 12th Rabi-ul-Awwal

**Mr. Zeeshan Ashraf**
- Attended the IAP’s Annual Convention on Architecture and material held from June 15th 2012 to June 17th 2012 at Expo Center Johar Town, Lahore. Titled “Architecture as an Expression of Poetic Spaces”
- Participated as faculty member at annual Book Fair on 15th to 17th March 2012 at University of the Punjab Quaid-e-Azam Campus, Lahore.
- Evaluate students work in juries/presentation held in the following institutions:
  - COMSATS, Lahore.
  - University of South Asia, Lahore.
- Designed thesis catalog for the year 2012 Architecture Department.

**Student Activities (Sports):**
- Participated in inter college Badminton championship.
- Participated in inter college Football championship.

**Tours:**
- Study tour to Naran to study planning on contours & indigenous Architectural Techniques.
- Study tour to Khanaspur.
- One day tour to katas study katas Raj Temple.

**College Activities:**
- Attended 23rd March celebrations.

**Ms. Hina Hasnain**

**Research Achievements**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Research conducted over the title “Analytical study of Management system for Public Sector Development Project”</td>
<td>To identify the constraints, bottlenecks shortcomings of Prevailing Management system for Public Sector Development Projects and to identify the factors effecting project duration and cost of Public Sector development Projects. To equip the planners, architects and managers with the analytical skills for scrutiny of development.</td>
<td>Completed/Sent for Approval</td>
</tr>
</tbody>
</table>

**Co Curricular Activities**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>IAP Lahore Annual Convention 2012</td>
<td>Attended the IAP’s Annual Convention on architecture and materials held from June 15th, 2012 to June 17th, 2012 at Expo Center, Johar Town, Lahore, titled “Architecture as an Expression of Poetic Spaces”</td>
<td>Attended</td>
</tr>
</tbody>
</table>
### Research and Development

#### Sr. No. | Title | Description | Status
---|---|---|---
4. | Lecture Attended on Urban Design | Lecture on “Urban Regeneration” in Architecture Department in April, 2012 by Mr. Khalid Bajwa. | Attended
5. | Lecture Attended on Building Services | Lecture on “Security Systems, Fire Alarming Controlling Panels” in Architecture Department in 2012 by Mr. Tanveer Sheik, CEO, ESafe. | Attended

#### Linkages with Industry

#### Sr. No. | Title | Description | Status
---|---|---|---
1. | Master Tiles & Ceramic Industries Limited, Gujranwala | For the purpose to explore the new materials for buildings and sanitary fixtures manufactured by Master Tiles Industry | Visits

- **Workshops Conferences, Seminars and, etc.**
  The following were organized by the College of Art & Design
  - Organized a reference in memory of late M. F. Hussain, a famous Indian Poet held on Monday, 27th June, 2011.
  - Organized a seminar in honour of Prof. Anna Molka Ahmad on 7th June, 2011.

- **Research Journals**
  - Published the research journal “Jamal”

### FACULTY OF BEHAVIORAL & SOCIAL SCIENCES

#### DEPARTMENT OF GENDER STUDIES

- **Conferences, Seminars and Workshops etc.**
  - Department of Gender Studies hosted a seminar on “Legal and Social Rights of Refugee Women within Legal Framework of Pakistan”, March 2012.
  - Department of Gender Studies hosted a seminar on “The Participation of Women in Politics: Participatory and Experience Sharing Approach” June 2012.
  - Department of Gender Studies hosted a seminar on “Gender Based Violence: Issues and Challenges”, 28th December 2011.
Department of Gender Studies hosted a seminar on “Syed Hajver Tasawuf Seminar” 11th January 2012

Department of Gender Studies hosted a seminar on “Family Dispute and Counseling” 22nd February 2012

Department of Gender Studies hosted a workshop on Capacity building of Faculty: Qualitative Research with N Vivo Software, 21-28 April 2012

Department of Gender Studies hosted a Workshop on Capacity building of Faculty: Quantitative Analysis with SPSS, May 2012

Department of Gender Studies hosted a seminar on “Awareness raising seminar on New laws concerning women, 17th May 2012

Department of Gender Studies hosted a seminar on “Early forced marriages, 14th Feb. 2012

Department of Gender Studies hosted a seminar on “Awareness raising on Protection of women against sexual harassment at workplace Act8th, June 2012

- **Research Journals**

  - Started in 2006. Working to bring it in streamline. The back issues will be published in this year.

**DEPARTMENT OF POLITICAL SCIENCE**

- **Projects (i) Completed**

  - Prof. Dr. Umbreen Javaid completed two research projects sponsored / funded by Punjab University, during 2011 – 2012 titled:
    - “Politics Of Religious Extremism And Terrorism In Pakistan”
    - “Dynamics of demand for Bahawalpur Province: Implications for the on-going societal integration and federation of Pakistan”

  - Dr. Iram Khalid, Associate Professor completed one research project sponsored / funded by Punjab University, during 2011-2012, titled
    - “Socio-religious fragmentation in Pakistan”, 2011-2012

  - Rana Eijaz Ahmad, Assistant Professor, completed one research project sponsored / funded by Punjab University, during 2011-2012, titled
    - “Democracy: A form of Government or a Human Instinct?”

  - Rehana Saeed Hashmi, Assistant Professor, completed one research project sponsored / funded by Punjab University, during 2011-2012, titled
    - “Issue of Governance and Nation building in Pakistan”

- **(ii) Newly Launched**

  - Prof. Dr. Umbreen Javaid
  - Dr. Iram Khalid, Associate Professor
• Publications: Books

Prof. Dr. Umbreen Javaid


Dr. Iram Khalid, Associate Professor:

- Pakistan Foreign Policy Evolution, Development and Strategies. 2012, Edited by Iram Khalid, Publisher: Kitab Vadee, Lahore.

Chapters in Books


• Conferences, Seminars and Workshops etc.

Prof. Dr. Umbreen Javaid

- Attended an International Conference on “Pakistan and the Muslim World” at Academy of International Studies, Jamia Millia Islamia University, New Delhi-India and presented a paper titled “Militant Extremism in Pakistan: Genesis and Consequences” on 15 and 16 March, 2012.
- Attended an International Conference on “Pakistan challenges to democracy, governance and national unity” at Department of History, and presented a paper titled “Extremism: A major security concern of Pakistan” on October 24-25, 2011.
- Organized and attended a seminar on “Power Dynamics in the Indian Ocean”, Mr. Naveed Ahmad Cdr delivered the lecture on March 28, 2012.
- Organized and attended a seminar titled ”State of Institutions of Pakistan” on February 18, 2012, Lecture delivered by Dr. Anwar H. Syed, Professor Emeritus. USA.
Organized and attended a seminar on “Crises of Muslim Ummah and its Resolution”, Mr. Aneeq Ahmad delivered the lecture, Feb 08, 2012.

Organized and attended a seminar on “ASEAN – Pakistan Relations”, Dr. Hariyadi Wirawan delivered the lecture. Jan. 25 2012.


Organized and attended a seminar on “Sir Creek Issue”, Mr. Naveed Ahmad Cdr delivered the lecture. Jan. 11, 2012.

Organized and attended a seminar on “Importance of Islam to the existence of Pakistan”, Orya Maqbool Jan delivered the lecture. Jan. 5, 2012.

Organized and attended a seminar on “Maritime: Overview of Pakistan”, Mr. Naveed Ahmad Cdr delivered the lecture. Dec. 1, 2011.


Dr. Iram Khalid, Associate Professor

March 8, 2012, National Conference on Pakistan’s Internal and External Security: Challenges and Options and presented a paper on “Extended Security Threats to Pakistan’s National Assimilation”.


October 24-25, 2011, International Conference on Pakistan challenges to democracy, governance and national unity at Department of History, and presented a paper on Socio-Religious Fragmentation: A threat to Pakistan’s National Integration”.

Attended a seminar on “Turkey: Religion, Politics and Society”, Mr. Farrukh Sohail Goindi, Renowned Scholar, delivered the lecture on April 04, 2012.


Attended a seminar titled “State of Institutions of Pakistan” on February 18, 2012, Lecture delivered by Dr. Anwar H. Syed, Professor Emeritus. USA.


Attended a seminar on “Crises of Muslim Ummah and its Resolution”, Mr. Aneeq Ahmad delivered the lecture, Feb 08, 2012.


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Rana Eijaz Ahmad, Assistant Professor


o Organized and attended a seminar on “Turkey: Religion, Politics and Society”, Mr. Farrukh Sohail Goindi, Renowned Scholar, delivered the lecture on April 04, 2012.

o Organized and attended a seminar on “Power Dynamics in the Indian Ocean”, Mr. Naveed Ahmad Cdr delivered the lecture on March 28, 2012.

o Organized and participated in a National Annual Conference on “Pakistan’s Internal and External Security: Challenges and Options” and presented a paper on “Mounting Militant Extremism and Pakistan’s Security Concerns” on March 8, 2012.

o Organized and attended a seminar titled “State of Institutions of Pakistan” on February 18, 2012, Lecture delivered by Dr. Anwar H. Syed, Professor Emeritus. USA.

o Organized and attended a seminar in collaboration with Pakistan Naval War College titled “PNWC-PU Joint Security Seminar”, on February 14, 2012.

o Organized and attended a seminar on “Crises of Muslim Ummah and its Resolution”, Mr. Aneeq Ahmad delivered the lecture, Feb 08, 2012.

o Organized and attended a seminar on “ASEAN – Pakistan Relations”, Dr. Hariyadi Wirawan delivered the lecture. Jan. 25 2012.


o Organized and attended a seminar on “Sir Creek Issue”, Mr. Naveed Ahmad Cdr delivered the lecture. Jan. 11, 2012.

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o Organized and attended a seminar on “Maritime: Overview of Pakistan”, Mr. Naveed Ahmad Cdr delivered the lecture. Dec. 1, 2011.
Rehana Saeed Hashmi, Assistant Professor

- Attended a workshop on “Elections in Pakistan” by Dr. M. Waseem, organized by Oxford, September, 2012
- Completed, International visitors leadership Program on US Foreign Policy From June 11 – 29, 2012
- Participated in round table discussion about “US System of government, with emphasis on separation of power and authority granted to the State”. Organized by Mr. Akram Elias in Washington, D.C. June 11, 2012
- Visited Brookings Institute, and participated in a discussion with Ambassador Teresita Schaffer, about “US relaxation with South Asia, on June 12, 2012 at Washington D.C.
- Visited United States, Department of State and meeting with the Bureau of South and Central Asian Affairs, about “Current events and issues of interest to US and Pakistan on June 12, 2012 at Washington D.C.
- Visited, United State, Department of Defense, The Pentagon, and meeting with Captain John F. Kirby and Commander William H. speaks, about “US defense Priorities regarding South Asia”, on June 13, 2012 at Washington D.C.
- Visited, United States, Senate: Committee on Foreign Relations and meeting with Senator Robert Casey’s legislative Assistant Mr. Denial Murphy about, the Congressional Role in the Formation of US Foreign Policy, on June 14, 2012 at Washington D.C.
- Visited, Maryland, Office of Secretary of State, Maryland State House and General Assembly Chambers and meeting with Mr. Rajan Natarajan, Deputy Secretary of State, External Affair about “The role of the Maryland State government in promoting international relations and partnership” on June 14, 2014 at Maryland.
- Visited Centre for Strategic and International Studies and meeting with Director Mr. Arnaud de Borchgrave and participated in a round table discussion about “The impact of national security concerns on US policy towards South Asia and presented a paper about “The Consequences of US massive involvement in Pakistan on June 15, 2012 at Washington D.C.
- Visited John Hopkins University, School of Advanced International Studies (SAIS) and presented a presentation about “Current events affecting US policy towards Pakistan”. On June 15, 2012 at Washington D.C.
- Visited, the Milken Institute, California and had round table discussion about “The role of economic think tanks in advising policy makers and advancing the dialogue on the global economy”, on June 18, 2012 at Los Angles, California.
- Visited Rand, Research Institute, and participated in a Workshop about “Research and Analysis of Security issues of interest to US and Pakistan” on June 18, 2012 at California
MEETING WITH DIRECTOR, BURKLEY INSTITUTE OF INTERNATIONAL RELATIONS AT UNIVERSITY OF CALIFORNIA, LOS ANGELES, AND PARTICIPATED IN A WORKSHOP ON “INTERNATIONAL CONFLICT RESOLUTION MECHANISM: THE IMPACT OF DIPLOMACY”, ON JUNE 19, 2012 AT UCLA.

VISTED UTAH STATE SENATE/LEGISLATURE AND MEETING WITH ELECTED OFFICIALS. THE DISCUSSION WAS BASED ON THE INFLUENCE OF THE STATE, ISSUES OF NATIONAL POLITICS, ON JUNE 24, 2012 AT SALT LAKE CITY UTAH.

ATTENDED A WORKSHOP OF UTAH REFUGEE SERVICES OFFICE ON STATE-LEVEL PROGRAMS DESIGNED TO INCREASE THE QUALITY OF LIFE FOR REFUGEES AND ASSIST IN THEIR INTEGRATION, ON JUNE 24, 20122 AT SALT LAKE CITY.

ATTENDED A WORKSHOP IN UNIVERSITY OF UTAH AND GLOBAL HEALTH INITIATIVE: ROLE OF STATE, ON JUNE 25, 2012

ATTENDED A DISCUSSION ORGANIZED BY US MISSION TO THE UNITED NATIONS (“USUN”) ABOUT THE “THE ROLE OF THE USUN IN REPRESENTING AMERICAN INTERESTS TO THE GLOBAL COMMUNITY, ON JUNE 27, 2012 AT NEW YORK.

PARTICIPATED IN A ROUND TABLE DISCUSSION ORGANIZED BY WALL STREET JOURNAL NEW YORK ABOUT US FOREIGN POLICY TOWARDS PAKISTAN WITH BRET STEPHENS THE D/EDITOR – INTERNATIONAL EDITORIAL/JOURNAL PAGE, ON JUNE 28, 2012 AT NEW YORK.

PARTICIPATED AND GIVEN PRESENTATION TO THE CO-FOUNDER SAJA DR. SREENWAS IN COLUMBIA UNIVERSITY, NEW YORK, ABOUT “THE ROLE OF RESPONSIBLE MEDIA IN THE INTERNAL POLITICS”, ON JUNE 28, 2012, AT NEW YORK.

ATTENDED AND PARTICIPATED IN A WORKSHOP OF UNITED NATIONS COUNTER TERRORISM COMMITTEE, ON “THE ROLE OF THE COMMITTEE IN IDENTIFYING TERRORISM, SUPPORT NEW WORKS AND PREVENTING ATTACKS”, ON JUNE 29, 2012 AT NEW YORK.

**DR. GULSHAN MAJEED, ASSISTANT PROFESSOR**

PARTICIPATED IN AN INTERNATIONAL WORKSHOP ON “STRATEGIC ISSUES: PAKISTAN, SOUTH ASIA AND BEYOND” AT LUMS, ORGANIZED BY LUMS-STIMSON CENTER-CARNegie ENDOWMENT FOR INTERNATIONAL PEACE ON JANUARY 14, 2012.


PARTICIPATED IN A NATIONAL ANNUAL CONFERENCE ON “PAKISTAN’S INTERNAL AND EXTERNAL SECURITY: CHALLENGES AND OPTIONS” AND PRESENTED A PAPER ON “CONFLICT IN BALOCHISTAN” ON MARCH 8, 2012.

ATTENDED A SEMINAR TITLED “STATE OF INSTITUTIONS OF PAKISTAN” ON FEBRUARY 18, 2012, LECTURE DELIVERED BY DR. ANWAR H. SYED, PROFESSOR EMERITUS. USA.

ATTENDED A SEMINAR IN COLLABORATION WITH PAKISTAN NAVAL WAR COLLEGE TITLED “PNWC-PU JOINT SECURITY SEMINAR”, ON FEBRUARY 14, 2012.
o Attended a seminar on “Crises of Muslim Ummah and its Resolution”, Mr. Aneeq Ahmad delivered the lecture, Feb 08, 2012.

o Attended a seminar on “ASEAN – Pakistan Relations”, Dr. Hariyadi Wirawan delivered the lecture. Jan. 25 2012.


o Attended a seminar on “Sir Creek Issue”, Mr. Naveed Ahmad Cdr. delivered the lecture. Jan. 11, 2012.

o Attended a seminar on “Importance of Islam to the existence of Pakistan”, Orya Maqbool Jan delivered the lecture. Jan. 5, 2012.

**Dr. Mubeen Adnan, Assistant Professor**

o Paper presented on “Areas of engagement and security threats between India and Pakistan” in the National Conference on Pakistan’s internal and external security: challenges and options, March 8 at Department of Political Science 2012.

- **Research Journals**
  - **Prof. Dr. Umbreen Javaid**
    - **Research Article(s)**
Dr. Iram Khalid, Associate Professor
- “Present and Future Conflict Environment; Challenges for Pakistan”. Journal of Political Studies, Punjab University Vol. 19, No.1, 2012

Rana Eijaz Ahmad, Assistant Professor
- Rana Eijaz Ahmad, Peace as a Global Language in the Twenty First Century, Published in European Journal of Social Sciences Vol. 34 No 1, September, 2012, pp.138-140.
- Abida Eijaz and Rana Eijaz Ahmad, Discourses of Feminism in the Perspective of Allama Iqbal and the West published in Canadian Social Science Vol. 7, No. 5, 2011, pp. 190-197.
- Abida Eijaz and Rana Eijaz Ahmad, Challenges of Media Globalization for Developing Countries Published in International Journal of Business and Social Science, United States Vol. 2 No. 18; October 2011.

Rehana Saeed Hashmi, Assistant Professor

Dr. Mubeen Adnan, Assistant Professor
INSTITUTE OF COMMUNICATION STUDIES

Projects (i) Completed
- “Systematic Review of Mass Communication Research in Public Sector Universities of Pakistan: A Case Study of Sindh” funded by University of the Punjab (2011-12) submitted by Dr. Abida Eijaz.
- “Systematic Review of Mass Communication Research in Public Sector Universities of Pakistan: A Case Study of Islamabad and KPK” submitted by Mr. Shafiq Ahmad Kamboh.
- “Systematic Review of Mass Communication Research in Public Sector Universities of Pakistan: A Case Study of Baluchistan” submitted by Mr. Naveed Iqbal Ch.

(ii) Newly Launched
- “Compatibility of Media Education & Market Needs: Issues, Challenges & Future Directions” approved for financial assistance from Punjab University by Dr. Noshina Saleem.
- “Striking a balance between real world and normative approaches: Ethical values in media practices and media education in Pakistan” funded by University of the Punjab by Dr. Bushra H. Rahman.
- “Meta-Analysis of Mass Communication Research Journals Published by the Public Universities of Sindh From their Inception to 2012” A project of 2012-2013, approved for financial assistance from the Punjab University by Dr. Abida Eijaz.

Publications

Dr. Noshina Saleem

Dr. Bushra H. Rahman
- “Framing of Pakistani Muslim Women in International Media: Muslim Feminist’s Perspective” in American International Journal of Contemporary Research, volume 2, No.1 published in January 2012.
- “Muslim Women in the Religious Magazines of Pakistan: Preserving Muslim women identity in the religious magazines of Pakistan in IJMU (The International Journal of Muslim Unity) Volume 8, No.1 & 2 published in 2011.”
Dr. Abida Eijaz

- Media Affecting upon or Affected by Foreign Policy: The Case of Pakistan. Published in Journal of Alternative Perspectives in the Social Sciences (2012). Vol. 5 No.1, 74-95.

Mr. Shafiq Ahmad Kamboh


- **Conferences, Seminars and Workshops etc.**
  - Organized a seminar on “Political Motivation & Awareness Among Youth” at Hameed Nizami Memorial Conference Room, ICS on October 13, 2011. Mr. Ibrar-ul-Haq (well-known singer and Chairman, Sahara Trust) was the guest speaker.
  - Organized a recording of Mehfal-e-Mushaira for TV One at the Hameed Nizami Memorial Conference Room on November 03, 2011.
  - Organized a seminar on “Maulana Zafar Ali Khan” at Institute on January 19, 2012 (Majeed Nizami, Khalid Mahmood, Mowahid Hussain Shah and Dr. Zahid Munir Aamir was the speakers and Prof. Dr. Mujahid Kamran, Vice Chancellor Punjab University presided over the session).
  - Organized a seminar on “Balochistan and Media: Crises, Causes, Solution” at Institute on February 24, 2012. Mr. Hamid Mir, Mr. Aurya Maqbool Jan and Mr. Sohail Waaraich were the guest speakers of this event.
  - Organized a special lecture on "Media & Values" at Institute of Communication on April 19, 2012.
  - Organized the 8th Anniversary of Punjab University Radio FM 104.6 at the Institute of Communication Studies on June 05, 2012.
o Organized a seminar on “National Issues and Responsibilities of Media” at Institute on June 14, 2012. Mr. Sajjad Mir, Mr. Irshad Ahmad Arif, Mr. Yasir Pirzada, Mr. Arshad Ansari, Mr. Ajmal Jami were the guest speakers of the seminar.

o Organized a special Lecture on "Media & Ethics" at the Institute of Communication Studies on June 26, 2012. Mr. Irfan Siddiqi (well-known columnist) was the guest speaker of the event.

o Organized a special Lecture on “Dengue Awareness” to the administrative and academic staff of the Institute of Communication Studies on August 26, 2012. Dr. Ijaz Qureshi, Institute of Public Health was the guest speaker.

o Organized a special lecture on “Dengue Awareness” at Institute on September 02, 2012. Dr. Muhammad Shaukat, Principal, Allama Iqbal Medical College, Lahore delivered the lecture.

o Organized a seminar on “Tahaffuz-e-Namoos-e-Risaalat and Media” at the Institute on September 20, 2012. Mr. Orya Maqbool Jaan and Mr. Farrukh Sohail Goindi were the guest speakers of this occasion.

- Research Journals
  - Biannual Journal of Media Studies
  - The Office of Research publishes:
    - Biannual Journal of Media Studies
    - Communication Studies Bulletin (Newsletter)
    - A bilingual annual magazine “IMAGE”
    - Weekly Newspaper “IBLAGHIAT” as future plan

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- Publications
  Prof. Dr Muhammad Zakria Zakar:

- Conferences, Seminars and Workshops etc.
  - DGEpi Conference 2011 “Biometry, Epidemiology and Informatics: Intersection between Health & Research” held in Mainz, Germany from 26-29th September 2011, sponsored by German Society of Epidemiology (DGEpi). Prof. Dr. Muhammad Zakar gave oral presentation on “Paternal factors associated with adverse birth outcomes: Evidence from Pakistan Demographic and Health survey.
  - DGEpi Conference 2011 “Biometry, Epidemiology and Informatics: Intersection between Health & Research” held in Mainz, Germany from 26-29th September 2011, sponsored by German Society of Epidemiology (DGEpi). Dr. Rubeena Zakar gave oral presentation on “Determinants of maternal health care service utilization in Pakistan"
• Research Journals

**Dr. Muhammad Hafeez**

**Dr. Riffat Munawar:**
Dr. Khalil Ahmad

Dr. Fauzia Saleem Alvi
- Participated in a special lecture on “Perspectives on Public Decision Making Processes” delivered by Prof. Tom Christensen, Department of Political Science. University of Oslo. The lecture was organized by IAS, PU on 21st Sep, 2011.
- Being the co-ordinator of seminar series in 2011-2012, I have organized the following seminars at department level;
  - Seminar on “Positive Thinking”. Speaker: Ms Ishrat Aliya Tariq. Youth consultant. Organized at the ISCS. University of the Punjab. Lahore on October 27, 2011
  - Seminar on “Pakistani Society: A Demographic Analysis”. Speaker: Mr Mohsin Muslim. Gallup. Organized at the ISCS. University of the Punjab. Lahore on November 17, 2011
  - Seminar on “Maujuda Pakistani Mausharay main Tasawar-e-Islam”. Speaker: Dr Hafiz Mahmood Akhtar. Dean Oriental Learning. PU. Organized at the ISCS. University of the Punjab. Lahore on December 8, 2011

FACULTY OF COMMERCE

HAILEY COLLEGE OF BANKING & FINANCE

- Research & Development – An Overview

  Prof Dr. Fouzia Naheed Khawaja is acting as Advisor research head in HCBF. The College had also hired Dr. Humera Shahid a PhD from abroad, as Assistant Professor. These all steps have been taken to further develop and foster the research culture in department. The College also plans to start
MPhil and PhD programs. We are also planning to hold international conference and soon will take the necessary measures for call of papers and related activities.

- **Projects**
  Research backed teaching is continuing and material continuous to be distributed to stakeholders.

- **Publications**

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<tr>
<th>Sr. No.</th>
<th>Author</th>
<th>Book Title</th>
<th>Edition</th>
<th>Published By</th>
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<tbody>
<tr>
<td>1</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Principles of Auditing</td>
<td>2012</td>
<td>Khawaja Publications</td>
<td>425</td>
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<tr>
<td>2</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Advanced Auditing</td>
<td>2012</td>
<td>Khawaja Publications</td>
<td>575</td>
</tr>
<tr>
<td>3</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Information Technology For Business Executives (Jointly Authored): with Two Sections namely: Concepts &amp; Applications</td>
<td>2011</td>
<td>Khawaja Publications</td>
<td>304</td>
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<tr>
<td>4</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Company Law in Pakistan</td>
<td>2012</td>
<td>Khawaja Publications</td>
<td>445</td>
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<tr>
<td>5</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Management: Concepts &amp; Cases (12)</td>
<td>2012</td>
<td>Khawaja Publications</td>
<td>307</td>
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<tr>
<td></td>
<td>Foreword by: Prof. Danishmand, Former Dean &amp; Director IBA, Karachi</td>
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<td>6</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>The Economy of Pakistan</td>
<td>2011</td>
<td>Oxford University Press</td>
<td>467</td>
</tr>
<tr>
<td>7</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Mercantile &amp; Industrial Laws in Pakistan</td>
<td>2012</td>
<td>Oxford University Press</td>
<td>212</td>
</tr>
<tr>
<td>8</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Income Tax Law of Pakistan</td>
<td>2012-13</td>
<td>Oxford University Press</td>
<td>-</td>
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<tr>
<td>9</td>
<td>Mr. Riaz Ahmad Mian</td>
<td>Money Banking &amp; Currency</td>
<td>2012-13</td>
<td>Azeem Academy</td>
<td>429</td>
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<tr>
<td>10</td>
<td>Mr. Riaz Ahmad Mian</td>
<td>Banking &amp; Finance</td>
<td>2012-13</td>
<td>-do-</td>
<td>361</td>
</tr>
</tbody>
</table>

- **Conferences, Seminars and Workshops etc.**
  **Presentations in Conferences, Seminars and Workshops By Prof. Dr. Khawaja Amjad Saeed**
  - 2011 Investment Segments Review of Pakistan
  - Company Law of Pakistan
  - Corporate Governance
  - Corporate Governance Past, Present and Future
o Corporate Lending Risk Analysis
o Cost & Management Accountants as Future Leaders
o Decision Making, Conflict Resolution, Negotiation Skills
o Developing Answers to Cases
o Economic Development & Population Control
o Economic Philosophy of Allama Iqbal
o Economy of Pakistan
o Emerging trends & Challenges in Capital Markets
o Enterprise Governance: Best Practice in SAFA Region
o Federal Budget 2012-13
o GEO Politics SAARC Economic Implications
o Health Sector
o Human Resource Management: Intretrospect & Modern Trends
o International Human Resource Management: Major Issues & Our course of Action
o Inventory Management from Hunch to MRP
o Islamic Banking in Pakistan
o KSE Listed Companies
o Listed Insurance Sector An Analysis
o Management Development
o Management Education Suggested Agenda for Quality
o Managing changing Through Motivation
o Orientation HCBF
o Orientation Noble College of Business Administration, Lahore
o Orientation of MBA Evening, HCBF
o Orientation Session Jinnah Islamia College
o Quaid-e-Azam
o Research Methodology
o SAARC 2012
o Show Casing innovation Creativity
o The Rise of Islamic Banking in Pakistan: Comparative Study of Conventional and Islamic Banking
o Women Empowerment Global Experiences & Divine Guidance
o World of Export Global and Regional Analysis

**Presentations in Conferences, Seminars and Workshops By Mrs. Tahreem Sadiq**

- Street Vendors and their Business Places: An Exploratory Study in Lahore. Published in Conference proceedings of ISSOS- 2011.
• Research Journals

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Authors Name</th>
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<th>Journal with Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Corporate Governance Past, Present and Future</td>
<td>Pakistan and Gulf Economist. September 2012</td>
</tr>
<tr>
<td>2.</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Transparency International's Corruption Perception Index</td>
<td>Pakistan and Gulf Economist. December 2011</td>
</tr>
<tr>
<td>4.</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Islamic Banking in Pakistan</td>
<td>The Pakistan Accountant. September 2012</td>
</tr>
<tr>
<td>5.</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Pre-Budget 2012-13: Strategic Suggestions</td>
<td>Pakistan and Gulf Economist. May 2012</td>
</tr>
<tr>
<td>6.</td>
<td>Prof. Dr. Khawaja Amjad Saeed</td>
<td>Women Empowerment Global Experience &amp; Divine Guidance</td>
<td>Management Accountant, September 2012</td>
</tr>
</tbody>
</table>

RESEARCH COLLABORATION
Research based articles have been contributed by our faculty members.

HAILEY COLLEGE OF COMMERCE

• Publications
  o 206 Research Publications of HEC Faculty Members in 2011
• Conferences, Seminars and Workshops etc.
  o 07 Seminars and Workshop of National and International attended by the HCC faculty members.
• Research Journals
  o Hailey College published Annual Journal Al-Iqtisad.

FACULTY OF ECONOMICS & MANAGEMENT SCIENCES

DEPARTMENT OF ECONOMICS

• Publications
  Professor Dr. Hafeez ur Rehman (Chairman)
  http://dx.doi.org/10.3968/j.css.1923669720110706.094
http://dx.doi.org/10.5897/AJBM11.922

http://dx.doi.org/10.5539/ijef.v4n4p135


Dr. Hafiz Khalil Ahmad

o Zafar, Madiha and Ahmad, Khalil, “Export Growth and Volatility of Exchange Rate: A Panel Data Analysis”, *Business and Social Science Review*, Vol. 1, No 4, October 2011, pp. 4-35.


Dr. Tahir Mahmood


• Research Journals
  o Pakistan Economic and Social Review

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

• Research & Development – An Overview
  o DLIS published its HEC recognized annual Pakistan Journal of LIS, and the faculty’s research got published in national and international journals. We produced 8 M.Phil and two PhD.

• Publications
  Research Papers
  o Memona Iqbal & Nosheen Fatima Warraich (2012). Usability evaluation of an academic library website: A case of the University of the Punjab Pakistan Journal of LIS.

• Syeda Hina Batool, Khalid Mahmood Teachers’ conceptions about information literacy skills of school children, Pakistan Journal of LIS.


• Books Published

• Conferences, Seminars and Workshops etc.
  o A seminar on “Preparing for job” was organized in the Department on 13th September, 2012 for outgoing MLIS class morning/afternoon session 2010-12. Renowned professionals from the field, Ms. Bushra Almas (Chief Librarian & Associate Professor, FC College), Ch. Muhammad Hanif, (Chief Librarian, Punjab University Library), and Mr. Shahid Soroya (President, PULISAA) were invited to share their experiences regarding job hunting tips.

  o DLIS & PULISAA jointly organized a seminar on “Writing a research proposal” on 12th September, 2012. A large number of professional librarians participated in the seminar. Prof. Dr. Kanwal Ameen, Prof. Dr. Khalid Mahmood and Prof. Dr. Mumtaz Anwar gave presentations on writing various parts of a research proposal.

  o A lecture by Dr. Carol Mitchell, the Field Director, Library of Congress Office, Islamabad, was organized with the collaboration of the American Information Resource Center, Lahore on 31st, January, 2012. She spoke on “The Library of Congress and the change in professional landscape”. She introduced Library of Congress services and latest professional skills needed in emerging librarianship. Prof. Kanwal Ameen briefed her on the Department’s history.
The Department organized two consecutive workshops on “Research ethics, EndNote and Turnitin software” on 25th-26th September and 1st-2nd October, 2012. These workshops were designed specifically for the PU faculty members to facilitate them in conducting research. Forty six faculty members attended the workshops. Prof. Dr. Kanwal Ameen, Prof. Dr. Khalid Mahmood, Dr. Nosheen Fatima and Dr. Shafiq Ur Rehman were the resource persons.

The first HEC workshop “Developing master trainers for HEC-National Digital Library” jointly sponsored by the HEC Learning & Innovation Division and PU was organized on 4th & 5th April, 2012 at DLIS. PU VC Prof. Dr. Mujahid Kamran was the chief guest. The workshop was specifically designed for the PU departmental librarians to enable them to make extensive use of the National Digital Library (NDL) resources for their faculty and researchers as well as transfer these skills to their users. DLIS faculty had different sessions with the participants. Dr.Kanwal Ameen, Dr. Khalid Mahmood, Dr. Nosheen Fatima Warraich, Dr. Muhammad Rafiq, Syeda Hina Batool were resource persons of the said workshop.

A lecture by Prof. Dr. Khawaja Zikria on “Role of reading habit on the personality development” was organized for the MLIS students on 12th December, 2011. He emphasized to develop reading habits and recommended a list of books for students to groom their personality traits.

A workshop on “Digital assets management (DAM)” was organized on 18th January, 2012 at the auditorium of PU Library. Dr. Abdus Sattar Chaudhry, a renowned scholar and from the MLIS program at the College of Social Sciences of Kuwait University was the resource person. The workshop was attended by more than 120 professionals. Dr. Sattar discussed the key concepts of DAM and the practical aspects of organizing information in digital forms.

Mr. Shah Nawaz Zaidi, ex-principal, PU College of Art & Design, delivered a lecture on “Human personality” on 24th October, 2011 to MLIS students. He emphasized that to be a good human being they have to be a good listener, enthusiastic, accepting mistakes, avoiding grudges and humble on achievements.

As Invited Speaker

Dr. Kanwal Ameen was a key note speaker at National Conference on “Changing Paradigm of LIS Profession in Pakistan” organized by the Dept. of LIS, Allama Iqbal Open University, Islamabad, 19-20 Oct., 2011.

Dr. Kanwal Ameen delivered a presentation on ‘Literature and Literature Review’ in a workshop on “Enhancing your research skills” at IBA, Karachi organized by the Institute on 19 September, 2012.

Dr. Kanwal Ameen delivered a lecture on Marketing and Librarianship at Dept. of LIS, University of Karachi, 20 Sep., 2012.

Dr. Kanwal Ameen was a guest speaker at Peshawar University Campus Librarians Association’s 5 days Seminar on “Library Management in Virtual Environment”. 2-6 June, 2012.
Dr. Kanwal Ameen gave presentation on ‘Needed Competencies for LIS Professionals in Pakistan: Growing from Custodian to iLeader’. Lecture on ‘LIS professionals and Identity Crises’ organized by the DLIS, Sindh University, Jamshoro on 18 September, 2012.

Dr. Kanwal Ameen gave a lecture on ‘Writing a Literature Review’ in a workshop on “Writing a Research Proposal” organized jointly by the PULISAA and DLIS, PU.

Prof. Dr. Kanwal Ameen and Dr. Nosheen Fatima delivered lectures on “Research, publication and information management” in PU faculty orientation program on 6th July, 2012 at Institute of Administrative Sciences, University of the Punjab.

Prof. Dr. Kanwal Ameen was invited at Lahore College Women University as guest speaker in a seminar on “Avoiding plagiarism” on 2nd May, 2012.

Dr. Kanwal Ameen was a guest speaker at a seminar organized by the PU Institute of Agricultural Sciences (IAGS) on 11th April, 2012 on “Plagiarism: How to avoid it”.

Dr. Khalid Mahmood presented a paper and chaired three sessions at 7th National LIS Conference on “Information Resources and Services in the 21st Century” organized by Department of Library and Information Science and Central Library, University of Peshawar, Baragali, Jul. 17-19, 2012.


Dr. Khalid Mahmood participated as resource person in an international online workshop on “Publishing Your Research” organized by Institute of Research Promotion, Lahore, May 26, 2012.

Dr. Khalid Mahmood participated as resource person in an international online workshop on “Mastering Scale Development and Reliability and Validity of Scale” organized by Research Center for Training & Development, Lahore, May 19, 2012.

Dr. Khalid Mahmood participated as resource person in an international online workshop on “Mastering Survey Methodology” organized by Research Center for Training & Development, Lahore, April 28, 2012.

Dr. Khalid Mahmood participated as resource person in the workshop on “Publishing Your Research” organized by University of Management & Technology and Institute of Research Promotion, Lahore, Mar. 31, 2012.


Dr. Khalid Mahmood participated as resource person in the “National Workshop on Library Automation Package Koha” organized by Pakistan Scientific & Technological Information Centre (PASTIC), Islamabad, Feb. 20-24, 2012.
Dr. Khalid Mahmood participated as resource person in the workshop on “Managing Information” organized by Faculty of Behavioral & Social Sciences, University of the Punjab, Lahore, Jan. 13-14, 2012.


Dr. Nosheen Fatima delivered lectures on “Research, publication and information management” in PU faculty orientation program on 6th July, 2012 at Institute of Administrative Sciences, University of the Punjab.

Dr. Shafiq ur Rehman presented a paper ‘Measuring service quality in public and private sector university libraries of Pakistan’ in First Open LIS Conference Changing Paradigm of LIS Profession in Pakistan on 19- 20 October, 2011, Islamabad.

**Research Journals**

- Pakistan Journal of Library and Information Science, HEC recognized annual journal with annual frequency.

**RESEARCH COLLABORATION**

- International Research Collaboration

**Funding Grants for R&D**

- Dr. Nosheen Fatima Warraich got PU travel grant to present her paper in 5th ICELW Conference, 13-15 June 2012 in Columbia University, New York, United States.

- Dr. Nosheen Fatima Warraich got PU research grant as Principal Investigator for her project titled “Need of Institutional Repositories in Archiving Indigenous Scholarly Literature: A Case of PU” (2011-2012)

**INSTITUTE OF ADMINISTRATIVE SCIENCES**

**Publications**

<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Name of Author</th>
<th>Title of Paper</th>
<th>Name of Journal / Conference</th>
<th>Vol.</th>
<th>Date</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sheikh, Labiba and Muhammad Zafar Iqbal Jadoon</td>
<td>“Path Dependency and Path Creation: Exploring the Possibility of Integration”</td>
<td>2nd International Conference on Path Dependency to be held at School of Business, University of Berlin, Germany.</td>
<td>-</td>
<td>March, 2011</td>
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</tr>
<tr>
<td>2.</td>
<td>Jadoon, Muhammad Zafar Iqbal, Jabeen, Nasira, Aisha Rizwan</td>
<td>“Federal Agencies in Pakistan”</td>
<td>European Group of Public Administration (COST)</td>
<td>-</td>
<td>May 2011</td>
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</tr>
</tbody>
</table>
### Sr. #  
Name of Author  
Title of Paper  
Name of Journal / Conference  
Vol.  
Date  
Page #
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3.  
Dr. Zafar Iqbal Jadoon & Dr. Nasira Jabeen  
Public Administration Education in Pakistan: Issues, Challenges and Opportunities  
Pakistan Vision, Pakistan Study Centre, University of the Punjab  
Vol. 11  
No. 1  
2011  
121-141
4.  
Prof. Dr. Nasira Jabeen  
Governance and Management of third sector organizations  
P.U. Research Project  
2011
5.  
Jadoon, Muhammad Zafar Iqbal, Jabeen, Nasira, Aisha Rizwan  
Governance and Management of Public Sector Organizations of Pakistan  
Research Project with COBRA – HEC funded  
2011
6.  
Sabeen Imran  
An analysis of social security and worker welfare schemes in Pakistan  
P.U. Research Project  
2011
7.  
Aisha Rizwan & Dr. Zafar Iqbal Jadoon  
Agencification in Pakistan: A comparative study of service delivery and regulatory agencies  
32nd International conference, European group of Public Administration, Toulouse, France  
-  
September 8-10, 2010  
-
8.  
Dr. Nasira Jabeen & Dr. Zafar Iqbal Jadoon  
Gender and local governance in Pakistan: Promoting participation through capacity building  
South Asian Studies  
Vol. 25  
No.2  
July-December, 2010  
255-281

**INSTITUTE OF BUSINESS ADMINISTRATION**

- **Publications**
  
  
  


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

  - Prof. Dr. Muhammad Ehsan Malik participated and chaired a Session in International Conference on “Management Research” organized by Superior University, Lahore Pakistan in associations
with The University of New Castle, Australia and Rouen Business School, France held at Superior University, Lahore on 15th December 2011.

- Prof. Dr. Muhammad Ehsan Malik participated and chaired a Session in International Conference on “Management, Business Ethics and Economics” organized by COMSATS Institute of Information Technology (CIIT) in associations with the Academy of Global Business Advancement (AGBA) held at Pearl Continental Hotel Lahore, Pakistan from December 28 to 29, 2011.

- Prof. Dr. Muhammad Ehsan Malik participated and chaired a Session in Annual Conference on “Innovations in Management & Doctoral Symposium” organized by Centre for Innovations in Business & Management Practices (CIBMP) held at University of London, London, UK on 27th February 2012.

- Prof. Dr. Muhammad Ehsan Malik participated and chaired a Session in 2nd International Conference on Business Management on “Business, Society, Science and Technology” organized by the University of Management and Technology, Lahore in association with IBA-Sukkur, AMDIP, Higher Education Commission etc. held at Pearl Continental Hotel Lahore, Pakistan from March 28 to 29, 2012.

- Prof. Dr. Muhammad Ehsan Malik participated and chaired a Session in 4th Global Conference on SME, Entrepreneurship and Service Innovation (GCSMES) 2012 to be organized by Griffith University, Australia at Gold Coast, Queensland, Brisbane, Australia from July 12 – 13, 2012.

- Prof. Dr. Muhammad Ehsan Malik participated as Peer Review Team Leader in AMDISA’s South Asian Quality Assurance Systems (SAQS) meeting held at School of Business and Economics (SBE), University of Management and Technology, Lahore Pakistan for SAQS Accreditation process from August 16 to 17, 2012.

**INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY**

- **Publications**

  Different faculty members were involved in publications in HEC recognized journals. During the said period 8 research papers and 18 books were contributed by the faculty members of IBIT.

<table>
<thead>
<tr>
<th>Papers Published</th>
<th>Books Published</th>
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<tr>
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- **Papers Published**

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<tr>
<th>Sr. No</th>
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<th>Name of Publishing Journal</th>
<th>Vol.</th>
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<tr>
<td>1</td>
<td>Dr. Syed Mansoor Sarwar</td>
<td>Aamir Sarwar</td>
<td>&quot;Factors having Impact on the Performance of Business Students: Case Study of Institute of&quot;</td>
<td>International Journal of Business and Social Sciences (IJBSS), September,</td>
<td>Vol.3 No.12, PP: 279-293</td>
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<td>Sr. No</td>
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<td>Co-author</td>
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<td>Name of Publishing Journal</td>
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<td>2</td>
<td>Aamir Sarwar</td>
<td>Dr. Syed Mansoor Sarwar</td>
<td>“Factors having Impact on the Performance of Business Students: Case Study of Institute of Business and Information Technology (IBIT), University of the Punjab, Lahore, Pakistan”</td>
<td>International Journal of Business and Social Sciences (IJBSS), September, 2012</td>
<td>Vol.3</td>
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<td>PP: 279-293</td>
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<td>3</td>
<td>Aamir Sarwar</td>
<td>Hamza Qureshi</td>
<td>“Satisfaction Level with Employer Based Health Insurance in Pakistan: Study of Private and Public Sector Employees in Pakistan”</td>
<td>International Journal of Business and Commerce (IJBC), September, 2012</td>
<td>Vol.2</td>
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<td>Hamza Qureshi</td>
<td>Aamir Sarwar</td>
<td>“Satisfaction Level with Employer Based Health Insurance in Pakistan: Study of Private and Public Sector Employees in Pakistan”</td>
<td>International Journal of Business and Commerce (IJBC), September, 2012</td>
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<td>6</td>
<td>Shamaila Gull</td>
<td>Ayla Abbas Zadi</td>
<td>“Impact of Organizational Politics on Employees’ Job Satisfaction in the Health Sector of Lahore Pakistan”</td>
<td>Interdisciplinary Journal of Contemporary Research in Business (IJCRB) June, 2012</td>
<td>Vol.4</td>
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### Books Published

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<tr>
<td>1</td>
<td>Aamir Sarwar</td>
<td>CAMEL Rating Application on Commercial Banks in Pakistan</td>
<td>October 2011</td>
<td>LAP, Germany</td>
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<tr>
<td>2</td>
<td>Shamaila Gull</td>
<td>Impact of CSR on Customers Retention in different Sectors of Pakistan</td>
<td>Nov, 2011</td>
<td>LAP, Germany</td>
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<td>3</td>
<td>Mansoor Mahmood Ashiq</td>
<td>Branding of Political Party Workers of Pakistan</td>
<td>Dec, 2011</td>
<td>LAP Lambert Academic Publishing,</td>
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<tr>
<td>5</td>
<td>Aamir Sarwar</td>
<td>Factors Influencing the Bank Selection Decision of Students: An Investigation of the Business Graduates</td>
<td>July 2012</td>
<td>LAP, Germany</td>
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<td>6</td>
<td>Aamir Sarwar</td>
<td>Satisfaction Level with Employer Based Health Insurance in Pakistan: Study of Private and Public Sector Employees in Pakistan</td>
<td>July 2012</td>
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<td>7</td>
<td>Shamaila Gull</td>
<td>Consumer Demographics, Retail Store Attributes and Store Choice</td>
<td>August 2012</td>
<td>LAP, Germany</td>
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<td>8</td>
<td>Shamaila Gull</td>
<td>Advertising, Sales Promotion and Brand Switching</td>
<td>August 2012</td>
<td>LAP, Germany</td>
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<td>9</td>
<td>Hira Aftab</td>
<td>Impact of rewards on the Job performance</td>
<td>July 2012</td>
<td>Lambert Academic Publishing</td>
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<td>10</td>
<td>Hira Aftab</td>
<td>Does Asset price bubble affects investor's behavior</td>
<td>August 2012</td>
<td>Lambert Academic Publishing</td>
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<td>11</td>
<td>Hira Aftab</td>
<td>Influence of Job Satisfaction in escalating Employee Performance</td>
<td>September 2012</td>
<td>Lambert Academic Publishing</td>
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<td>12</td>
<td>Hira Aftab</td>
<td>Work Stress and Counter Work Productive Behavior</td>
<td>August 2012</td>
<td>GRIN</td>
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<td>13</td>
<td>Amna Arif</td>
<td>Job Satisfaction &amp; Organizational Citizenship Behavior</td>
<td>August 2012</td>
<td>Lambert Academic Publishing</td>
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<td>14</td>
<td>Amna Arif</td>
<td>Brand-Consumer Congruence Personality and Brand Quality Relationships</td>
<td>August 2012</td>
<td>Lambert Academic Publishing</td>
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<td>Year of Publication</td>
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<td>16</td>
<td>Hina saleem</td>
<td>Antecedents &amp; Consequences of Organizational Citizenship Behaviours</td>
<td>September 2012</td>
<td>LAP, Germany</td>
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<td>18</td>
<td>Hamza Qureshi</td>
<td>Satisfaction Level with Employer Based Health Insurance In Pakistan: Study of Private and Public Sector Employees in Pakistan</td>
<td>July 2012</td>
<td>LAP, Germany</td>
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</table>

**FACULTY OF EDUCATION**

**DEPARTMENT OF SPECIAL EDUCATION**

- **Research & Development – An Overview**
  The research papers of faculty members have been published in various journals. They have also presented their papers at international conferences.

- **Publications**
  
  **Dr. Humara Bano**
  - Provision of Special Educational needs of hearing impaired Children” in Pakistan Journal of Special Education, ISSN 1818-2860, Volume (13), 2012 (Pp 131-137 ). Department of Special Education, University of Karachi.
  - “A comparative study of self concepts among hearing impaired adolescents and visually impaired adolescents,”
  - in Pakistan Journal of Special Education, ISSN 1818-2860, Volume (12), 2011 Department of Special Education, University of Karachi.

  **Dr. Hina Fazil**
  - A research paper is published on, “Level of job satisfaction in principals of Special schools of Karachi, Pakistan” ijcrb.webs.com interdisciplinary journal of contemporary research in business


**Dr. Samina Ashraf**
- A research paper published in SCHEMA a journal of humanities and social sciences entitled “classroom communication and academic achievement of students with hearing impairment in segregated and inclusive settings” ,volume 8,2011
- A research paper published in SCHEMA a journal of humanities and social sciences entitled “Use of Pakistan sign language books by students with hearing impairment” volume 8,2011

**Mrs. Ghulam Fatima**

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

  **Dr. Humara Bano**
  - Attended one day seminar on “Information Technology for Persons with Disabilities” on 15th October in celebration of white cane safety day, at University of Management and Technology, organized by the UMT.
  - Attended seminar on “Nine Eleven and World War-III” September,11, 2012 at Al-razi Hall Undergraduate block, Quaid-a-Azam campus ,Punjab University Lahore. The worthy Vice Chancellor, Prof. Dr. Mujahid Kamran was Key Note speaker.
  - Attended a seminar on “Defense Status of Pakistan” in Celebration of Pakistan Defense Day on September,6 2012 at Al-razi Hall Undergraduate block,Quaid—a-azam campus ,Punjab University Lahore.
  - Presented a paper on "Rights of the Persons with Disabilities and Inclusion “in National Conference on Special Education held in February 2012, at Holiday Inn, Lahore
Annual Report 2011-12

Research and Development

- Presented a paper on “Functional Curriculum for Individuals with Intellectual Disability” in the Symposium on “Challenges and Opportunities for children with intellectual Impairment” at University of Central Punjab, on 21-4-2012.

- Delivered a lecture on “Classroom management for children with special needs” in a 5 days National workshop on Inclusive education at Govt. In service teachers training college for the disables on 14-04-2012.

- Delivered two lectures on “Curriculum adaptations and modifications by teachers in inclusive setting” and “Development of lesson plans for inclusive classroom for special needs” in a 6 days workshop on Inclusive education at Govt. In service teachers training college for the disables on 6-6-12 in a series of National workshops on inclusive education from 04-06-12 to 09-6-12.

- Attended “5th National Task Force meeting to implement EFAVI campaign” as focal person at Dreamland Motel, Club Road, Islamabad on 20-9-12 organized by Council of Community Development (CCD), Rawalpindi.

- Attended a seminar on “Programs of Helping Hands for Relief and Development (HHRD) in Department of Special Education, University of the Punjab, Lahore on 6th June, 2012. Mr. Khalid Naeem, former Director General of Special Education, Honorary Country Director (ICEVI), Advisor (Rehabilitation) HHRD was the keynote speaker.

- Attended a seminar on “Practical utilization of Special Education” on 8th June, 2012 organized by Department of Special Education, University of the Punjab, Lahore. Mr. Shahid Ahmed Memon, Chairman, Pakistan Disabled Foundation was the keynote speaker.

- Worked on “Development of an Advocacy and Training Module/Toolkit on Inclusive Education” in collaboration with UNESCO and Department of Special Education, University of the Punjab, Lahore 2012.

Dr. Hina Fazil

- Attended one day seminar on information technology for persons with disabilities on 15th October 2011 in celebration of white cane safety day, at University of Management and Technology, organized by the UMT.

- Attended one day conference on Globalization and gender equality on November, 2011 at Wheed Shaeed hall, Organized by the Department of gender studies, University of the Punjab, Lahore.

- Attended seminar on the topic Nine eleven and world war three September, 11, 2012 at Al-Razi Hall Undergraduate block, Quaid-a-Azam campus, Punjab University Lahore. The worthy Vice-Chancellor, Prof. Dr. Mujahid Kamran was Key Note Speaker.

- Attended a seminar on the topic Defense status of Pakistan in celebration of Pakistan defense day on September 6, 2012 at Al-Razi Hall Undergraduate Block, Quaid-e-azam campus, Punjab University Lahore.
Research and Development

- Attended a seminar on “Programs of Helping Hands for Relief and Development (HHRD) in Department of Special Education, University of the Punjab, Lahore on 6th June, 2012. Mr. Khalid Naeem, former Director General of Special Education, Honorary Country Director (ICEVI), Advisor (Rehabilitation) HHRD was the keynote speaker.
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- Worked on “Development of an Advocacy and Training Module/Toolkit on Inclusive Education” in collaboration with UNESCO and Department of Special Education, University of the Punjab, Lahore. 2012

Dr. Rukhsana Bashir

- Attended a seminar on the topic Nine eleven and world war three September 11, 2012 at Al-Razi Hall Undergraduate block, Quaid-a-Azam campus, Punjab University Lahore. The worthy Vice Chancellor, Prof. Dr. Mujahid Kamran was Key Note speaker.
- Attended a seminar on the topic Defense status of Pakistan in celebration of Pakistan defense day on September 6, 2012 at Al-Razi Hall Undergraduate Block, Quaid-e-Azam campus, Punjab University Lahore.
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- Worked on “Development of an Advocacy and Training Module/Toolkit on Inclusive Education” in collaboration with UNESCO and Department of Special Education, University of the Punjab, Lahore. 2012

Mrs. Ghulam Fatima

- Participated in a “One Day Workshop on Research Skills Development” on April 21, 2012 held at Department of Political Science, University of the Punjab, Lahore
- Attended a special lecture on “Sectarian Violence & Future of Pakistan” by Ms. Mariam Abou Zahab, researcher and teacher at INALCO, Paris, France, held at IER, University of the Punjab, Lahore on April 20, 2012
- Attended a seminar on “Differential achievements of students in assessment studies: searching for a causal variable” on 29th June, 2012. Prof. Dr. Hafiz Muhammad Iqbal, Dean, Faculty of Education, University of the Punjab, Lahore was the keynote speaker.
o Attended a seminar on “9 11 and World War 3” on September 11, 2012 organized by Academic Staff Association, University of the Punjab, Lahore, Pakistan. Prof. Dr. Mujahid Kamran, Vice Chancellor, University of the Punjab was the keynote speaker.

o Attended a National Conference on Human Rights, Local Culture and Globalization on Tuesday, March 13, 2012 organized by Institute of Social & Cultural Studies, University of the Punjab, Lahore.


o Presented a paper as co-author on “Problems faced by students with hearing impairment in inclusive education at the post graduate level” in 2nd International Multidisciplinary Conference with theme Towards Better Pakistan organized by Sarhad University of Science & Information Technology, Peshawar, Pakistan on 24th-25th September, 2012.

o Presented a paper as co-author on “A correlational study of research students’ motivational goals and their perceptions about teachers’ practices at university level” in 2nd International Multidisciplinary Conference with theme Towards Better Pakistan organized by Sarhad University of Science & Information Technology, Peshawar, Pakistan on 24th-25th September, 2012.


o Attended a seminar on “Programs of Helping Hands for Relief and Development (HHRD) in Department of Special Education, University of the Punjab, Lahore on 6th June, 2012. Mr. Khalid Naeem, former Director General of Special Education, Honorary Country Director (ICEVI), Advisor (Rehabilitation) HHRD was the keynote speaker.

o Attended a seminar on “Practical utilization of Special Education” on 8th June, 2012 organized by Department of Special Education, University of the Punjab, Lahore. Mr. Shahid Ahmed Memon, Chairman, Pakistan Disabled Foundation was the keynote speaker.

o Worked on “Development of an Advocacy and Training Module/Toolkit on Inclusive Education” in collaboration with UNESCO and Department of Special Education, University of the Punjab, Lahore, 2012.

**Dr. Samina Ashraf**

o Attended a seminar on the topic Nine eleven and world war three September 11, 2012 at Al-Razi Hall Undergraduate block, Quaid-a-Azam campus, Punjab University Lahore. The worthy Vice-Chancellor, Prof. Dr. Mujahid Kamran was Key Note speaker.

o Attended a seminar on the topic Defense status of Pakistan in celebration of Pakistan defense day on September 6, 2012 at Al-Razi Hall Undergraduate Block, Quaid-e-Azam campus, Punjab University Lahore.
o Attended one day conference on Globalization and gender equality on November, 2011 at Wheed Shaeed hall, Organized by the Department of gender studies, University of the Punjab, Lahore.

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o Attended a seminar on “Practical utilization of Special Education” on 8th June, 2012 organized by Department of Special Education, University of the Punjab, Lahore. Mr. Shahid Ahmed Memon, Chairman, Pakistan Disabled Foundation was the keynote speaker.

o Worked on "Development of an Advocacy and Training Module/Toolkit on Inclusive Education" in collaboration with UNESCO and Department of Special Education, University of the Punjab, Lahore 2012.

INSTITUTE OF EDUCATION & RESEARCH

- Projects (ii) Newly Launched

<table>
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<tr>
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<th>Authors Name</th>
<th>Sponsoring Agency</th>
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<tr>
<td>Impact of Cooperative Learning Intervention on Students’ Achievement and logical reasoning</td>
<td>Dr. Nasir Mahmood</td>
<td>University of the Punjab</td>
<td>On going</td>
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<td>A Study of Gaps Between Beliefs and Practices of Teacher Educators in B.Ed (Hons) and ADE Classrooms in Universities and Affiliated Colleges in Punjab</td>
<td>Prof. Dr. Mumtaz Akhter and Dr. Rafaqat Ali Akabar and Prof. Dr. Abid Hussain Ch. Dr. Muhammad Abaidullah</td>
<td>US-AID</td>
<td>On going</td>
<td>1.74 Million</td>
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<td>Development of Reflective Practitioners: A case of New B.Ed (Hons) Classroom</td>
<td>Prof. Dr. Rizwan Akram Rana and Dr. Muhammad Saeed and Mrs. Arooan Hashmi</td>
<td>US-AID</td>
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<td>0.724 million</td>
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- Publications

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<tr>
<td>Prof. Dr. Mumtaz Akhter</td>
<td>Concept of School Experience Programme Among Teachers for Quality Enhancement in Teacher Education. Journal of Research and Reflections in Education 6(1).</td>
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<tr>
<td>Dr. Ashi Zeshan and Dr. Aamir Hashmi</td>
<td>Impact of Changes in demographical shifts on business schools: Opinion of faculty and Management. Bulletin of Education and Research Vol. 33 No. 2</td>
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<td>Dr. Aamir Hashmi and Dr. Ashi Zeshan Hashmi</td>
<td>Development and validation of aptitude test for secondary school mathematics students. Bulletin of Education and Research Vol. 34 No. 1</td>
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<td>Dr. Aamir Hashmi and Dr. Ashi Zeshan Hashmi</td>
<td>Perception of secondary school teachers about corporal punishment: A barrier in developing teacher student relationship. The International Journal of Learning, USA Vol 18 Issue 12</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Emotional Intelligence and Transformative Leadership style of Principals in High School, International Journal of Asian economic and Social Society.</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Managerial Ethics in Islamic framework, International Journal of Business and Social Science.</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Intellectual Death, International Journal of Business and Social Science.</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Pupils’ Ideas in Learning Concept of the Chemical Bonding among Pakistani Students, International Journal of Applied Science and Technology</td>
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<td>Dr. Tahseen Mahmood</td>
<td>The Study of AID Dependency and External DEBT on Pakistan’s Economy, Pakistan Economic and Social Review</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Entrepreneurial Intentions amount University students of Punjab Province of Pakistan, International Journal of Humanities and social Science (Special Issue)</td>
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<td>Dr. Tahseen Mahmood</td>
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<td>Teacher’ as a leader and their Traits: Evidence from Secondary Level, International Journal of Physical and Social Science</td>
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<td>Dr. Tahseen Mahmood</td>
<td>An Empirical Study of Family Back Ground and Entrepreneurship as Career Selection among University Students of Turkey and Pakistan, International Journal of Business and Social Science</td>
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<td>Dr. Tahseen Mahmood</td>
<td>Frequency of Learned words of English as a Marker of Gender identity in SMS Language in Pakistan, Journal of Elementary Education</td>
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<td>Dr. Tahir Mahmood &amp; Mr. Tariq Hussain</td>
<td>Impact of Formative assessment on Academic Achievement of Secondary School Students, International Journal of Business and Social Science Vol. 3, No. 17</td>
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<tr>
<td>Dr. Tahir Mahmood &amp; Mr. Tariq Hussain</td>
<td>Impact of Co-curricular Activities on Personality Development of Secondary School Students, International Journal of Humanities and Social Science Vol. 2 No. 18</td>
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<td>Dr. Tahir Mahmood &amp; Mr. Tariq Hussain</td>
<td>Decentralization and Educational Institutional Development A Case Study from Pakistan, International Journal of Humanities and Social Science Vol. 2 No. 22</td>
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<td>Dr. Tahir Mahmood &amp; Mr. Tariq Hussain</td>
<td>Analysis of Grade Three Students Performance in the Subject of English in Pakistan, American International Journal of Contemporary Research, Vol. 2 No. 11</td>
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<td>Dr. Tahir Mahmood &amp; Dr. Muhammad Saeed</td>
<td>Comparative Evaluation of Internal Efficiency of Teacher Education Institutional in Pakistan, International Researchers Vol. 1(4).</td>
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<td>Dr. Muhammad Saeed</td>
<td>Problem in Public Sector Universities of Punjab, View of PhD Scholars, International Researchers 1(3).</td>
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<td>Ensuring Textbook quality through evaluation: An issue in Pakistan</td>
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<td>Tahir Mehmood</td>
<td>Analysis of Grade Three Students’ Performance in Subject of Social Science in Pakistan International Journal of Business, Humanities and Technology Vol. 2 No. 6; October 2012</td>
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<td>Tahir Mehmood</td>
<td>Situation Analysis of Institutional Policies for Teacher Educators and Prospective Teachers International Journal of Humanities and Social Science Vol. 2 No. 24</td>
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<tr>
<td>Dr. Shaukat Ali Raza</td>
<td>Faculty Development Program for Universities of Pakistan. e-book LAP Lambert Academic Publishing</td>
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<tr>
<td>Dr. Shaukat Ali Raza</td>
<td>Investigating Service Quality Initiatives of Pakistani Commercial Banks. International Business Research,</td>
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<tr>
<td>Dr. Abdul Qayyum Ch.</td>
<td>Does the Job Satisfaction Varies in Gender &amp; Age: Analysis of Public and Private University Teachers of Pakistan, Elixir Leadership Management, 43 (2012). India</td>
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<tr>
<td>Dr. Abdul Qayyum Ch.</td>
<td>Is the Academic of the Child Influenced by the Teachers: A Case of Pakistani School Teachers? International Journal of Humanities and Social Sciences, USA Vol. No. 3, Feb 2012</td>
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<tr>
<td>Dr. Abdul Qayyum Ch.</td>
<td>An Analysis of Relationship between Occupational Stress and Demographics in University: The case of Pakistan. International Education Studies, Canada, Vol. 34, No. 2, 2012</td>
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</table>
• Conferences, Seminars and Workshops etc.

Attended:
- Dr. Muhammad Saeed attended workshop entitled “Two Day Workshop for School & College Teachers on Awareness of HIV AIDS” organized by UNESCO Islamabad.
- Dr. Muhammad Saeed attended workshop entitled “National Seminar on Re-Searching Pre Service Teacher Education” organized by HEC in Collaboration with Pre-STEP Islamabad January 10-13, 2012.
- Dr. Muhammad Saeed attended workshop entitled “Understanding Holy Quran Using Symbols” organized by Bait-ul-Quran, Shadman Lahore.

Organized by IER
- Two days workshop on Critical Thinking and Peer Review for Year 3 and 4 Course Writers organized by Pre-Step in collaboration with IER, University of the Punjab, at Waheed Shaheed Hall, IER from May 18-19, 2012.
- Seminar on Critical Thinking Skills organized by Pre-Step in collaboration with IER, University of the Punjab, at Waheed Shaheed Hall, IER on February 20, 2012.
- National Research Seminar organized by Pre-Step in collaboration with IER, University of the Punjab, at Waheed Shaheed Hall, from January 10-13, 2012.
- Three days conference to discuss University & College Collaboration: Planning for Action, organized by Pre-Step, Institute of Education and Research, University of the Punjab on March 12-14, 2012.
- Three days workshop on developing research proposal Organized by Pre-STEP in collaboration with HEC at IER, University of the Punjab, Lahore from August 11-13, 2011.
- Follow-up meeting for Writing Research proposal IER, University of the Punjab, at Waheed Shaheed Hall, from November 29, 30 & December 01, 2011.
- Follow-up Meeting/Workshop to Develop Strategic Plan for Institute of Education and Research, University of the Punjab, from October 18-20, 2011.

• Research Journals
- Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 34. No. 1, 2012.
CENTRE FOR COAL TECHNOLOGY

- **Research & Development – An Overview**
  - The Centre was established in 2003 to provide trained manpower for utilization of huge coal deposits available in Pakistan in order to achieve self-reliance in the energy sector. Research activities remain continue throughout the year by mutual coordination of the faculty and students. 24 students have completed their research thesis under the supervision of senior faculty teachers. Moreover Director, Centre for coal technology participated in the Panel of experts for Punjab Power Development Board (Government of the Punjab) for the technical auditing of coal fired power plants that are to be installed in Punjab. About 300 samples of coal were tested at the Centre for coal technology and results has been used in the estimation of coal reserves of salt range and trans indus range by M/s SNOWDEN, an australian consulting firm hired by Punjab Govt. for the estimation of coal deposits of Punjab. Director, Centre for coal technology participated in meetings with M/s SNOWDEN and Punjab Govt. officials to discuss various issues.

- **Projects (i) Completed**
  - Effect of moisture on grinding index (HGI) of indigenous coals.
  - Effect of blending on grindability index (HGI) of indigenous and imported coals.
  - Effect of coal rank on the grindability index (HGI) of some indigenous coals
  - Design and fabrication of bubbling fluidized bed coal gasifier
  - Heavy media separation of some indigenous coals.

- **(ii) Newly Launched**
  The following projects with one year duration will be sponsored by Centre for Coal Technology
  - Characterization of bottom ash coming from coal gasification plant at Mughal Steel Mills Lahore.
  - Characterization of fly ash coming form coal gasification plant at Mughal Steel Mills Lahore
  - Studies on strength of cement/ fly ash; cement/ fly ash/ sand and cement / sand building blocks. Fly ash obtained from Lakhra power plant.
  - Studies on strength of cement/ fly ash; cement/ fly ash/ sand and cement / sand building blocks. Fly ash obtained from Olympia Chemicals, Khushab.
  - Effect of addition of fly ash, obtained form Lakhra power plant, on the strength of concrete.
  - Effect of addition of fly ash, obtained from Olympia Chemicals Khushab, on the strength of concrete.
  - Thermogravimetric Analyzer (TGA) of some indigenous and imported coals.
  - Effect of particle size, volatile matter, mineral matter and fixed carbon on the apparent density of indigenous coals.
• Design of a low NOx coal fired burner sponsored by University of the Punjab, Lahore.
• Preparation of easily combustible briquettes from coke dust obtained from Pakistan Steel Mills, Karachi.
• Combustion and pyrolysis behaviour of some indigenous coals and gram sticks biomass.
• Preparation of Humic acid from indigenous lignite.
• Characterization and Thermogravimetric Analyzer (TGA) of corn colb.
• Removal of slags from surface of coal fired boilers by chemical treatment.
• Optimization of bubbling fluidized bed gasifier
• Agglomeration of coal fins using vegetable oil

- **Publications**

- **Conferences, Seminars and Workshops etc.**
  - A national seminar on “Energy crisis and its solutions” was organized on 13th June, 2012.
  - A welcome and farewell party was organized

**RESEARCH COLLABORATION**

- **Foreign Linkages**
  - Director of the Centre, Prof. Dr. Shahid Munir is a co-investigator of the International Strategic Partnership in Research Education (INSPIRE) Programme funded by British Council and Higher
Education Commission Pakistan to investigate the co-combustion of Pakistani coal with Pakistani biomass. As a result of the collaboration with University of Leeds and University of Sheffield, an international conference, UK Pakistan Coal Conference was organized in Leeds UK from 3rd-5th July 2012.

- Funding Grants for R&D
  - University of Punjab, Lahore
  - From departmental coal testing earning

**COLLEGE OF ENGINEERING & EMERGING TECHNOLOGIES**

- Research & Development – An Overview
  - In the academic year 2011-12, the focus was on the establishment of new labs and up-gradation of the existing labs. In the Department of Metallurgy and Materials Engineering, in addition to the existing equipment related to Foundry, Metallography, Corrosion Testing etc., new equipments to meet the requirements of currently introduced subject “Welding Engineering” have been purchased and made functional to facilitate the students to get on-hand training on the said equipments, however, request for construction of lab has been submitted to University. Similarly, an important stat of the art equipment “Gamry Instrument” of Corrosion lab was repaired from USA and made functional for the research work. A newly bought optical microscope with image analysis software was made functional. A one day training workshop on the microscope was arranged for the faculty members of Department of Metallurgy and Materials Engg. The Department of Electrical Engineering has well established labs for the robotics, wireless communications, data structure and analysis etc. The requests for the development of new labs in CEET have also been submitted. Similarly, Department of Polymer Engineering & Technology has well established well equipped with synthesis, characterization and processing facilities. The characterization labs have state of the art equipments covering the fields of thermal, spectroscopy, paint, membrane, mechanical, chromatography, processing, viscoelasticity and rheology. Synthesis platform has facilities from lab scale synthesis to pilot plant scale production.

- Projects (ii) Newly Launched (in progress)
  - Modification of passive films on Titanium alloys for biomedical applications
  - Development & application of HA Nano particles their coating on 316L orthopedic implants & electrochemical characterization for biocompatibility
  - Biodegradable polymers synthesis and characterization
  - Development of Dye Sensitized Solar Cell
  - Photocatalytic behavior of TiO2 nanotubes and generation of hydrogen gas for fuel

- Conferences, Seminars and Workshops etc.
  - Anti-Corrosion Behavior of Ni/Ti2N Composite coated Sintered NdFeB permanent magnets
    K.M.Deen, A.Ali, A.Ahmad, R.Ahmad
18th International Corrosion Congress (ICC) Conference, Perth Convention Exhibition Centre, 20-24 November, 2011, Perth, Western Australia, Australia

- Engineering Failure analysis in chemical process Industries
  K.M.Deen, I.H.Khan, R.Ahmad, M.A.Virk
  International Conference on Engineering Conference, ICES 2012, Institute of Chemical Engineering and Technology, University of the Punjab, February 28-29, Lahore, Pakistan

- Electrochemical comparison of API X-70 Steel Surfaces in Base oil
  M.Z.Khalid, K.M.Deen, F.Hussain, R.Ahmad, M.A.Butt
  International Conference on Engineering Conference, ICES 2012, Institute of Chemical Engineering and Technology, University of the Punjab, February 28-29, Lahore, Pakistan

- Investigating the effect of welding on Electrochemical Behavior of SA516 (Grade 70)
  G.Abbas, K.M.Deen, F.Hussain, R.Ahmad
  International Conference on Engineering Conference, ICES 2012, Institute of Chemical Engineering and Technology, University of the Punjab, February 28-29, Lahore, Pakistan

- Oxidation behavior of Yttria stabilized Thermal Barrier coatings on mild steel in Artificial sea water
  M.Farooq, K.M.Deen, S.Naseem, S.Alam, R.Ahmad
  National Science Conference; Roadmap of Cutting Edge Technologies, Organized by Pakistan Academy of Sciences, January 10-12, 2012

- Electrochemical & Metallurgical Characterization of 316L Stainless Steel Weldment in Physiological Solutions
  A.Farooq, K.M.Deen, I.H.Khan
  National Science Conference; Roadmap of Cutting Edge Technologies, Organized by Pakistan Academy of Sciences, January 10-12, 2012

- Effect of Heat Treatment Cycles on Electrochemical behavior of Aluminum 2219
  M.A.Fahad, K.M.Deen, M.Kamran, I.H.Khan
  National Science Conference; Roadmap of Cutting Edge Technologies, Organized by Pakistan Academy of Sciences, January 10-12, 2012

- Effect of Surface Profile on Electrochemical behavior of API X-70 in Simulated crude Oil Environment
  M.Z.Khalid, K.M.Deen, F.Hussain, R.Ahmad, M.A.Butt
  National Science Conference; Roadmap of Cutting Edge Technologies, Organized by Pakistan Academy of Sciences, January 10-12, 2012

- Corrosion & Corrosion Damages in Practice
  K.M.Deen, A.Farooq, I.H.Khan, R.Ahmad
  3rd International conference on „CORROSION” Corrosion Management & strength of Pipeline Network, May 17, 2012, Marriott Hotel Karachi, Pakistan
o Characterization of FBE coating exposed to artificial sea water
  K.M.Deen, A.Farooq, I.H.Khan, R.Ahmad
  Pakistani Chapter of National Association of Corrosion Engineers (NACE), Corrosion Control Centre, SNGPL on World Corrosion Awareness Day (24th April 2012) held at SNGPL, Lahore, Pakistan

o Advance Electrochemical Techniques for Corrosion Testing
  K.M.Deen, I.H.Khan, R.Ahmad
  Corrosion & Corrosion Control Symposium 2011, October 27, 2011, University of the Punjab, Lahore, Pakistan

o Gate-bias-induced tuneable spectral response of silicon p-i-n photodiode with enhanced UV sensitivity

o High Responsivity Lateral Silicon p-i-n Photodiodes with single and dual MOS Gate structures exposed to visible and high energy radiation
  International Multi-topic Conference,
  Abid, K. Muhammad Azhar Naeem and F., Rahman.

o Silicon Based Self-tuneable Micro-spectrometer - A Possibility
  International Conference and Workshop on Nano-Science and Technology
  K. Abid, M. A. Naeem and F. Rahman, , QAU, Islamabad, October 1-5, 2012

o Grating-Integrated Semiconductor Polarization Detector
  13th National Symposium on Frontier in Physics

o 40 GHz, Passively Mode Locked Lasers
  13th National Symposium on Frontier in Physics ,

Conferences/Seminars/Symposiums Organized

o Metallography Competition 2012 was organized by Department & Materials Engineering, CEET held in March 2012.

• Research Journals

The articles published by the faculty members of Department of Metallurgy and Materials Engg are listed below:

Annual Report 2011-12

Research and Development

- K.M. Deen, I.H. Khan, R. Ahmad, Z.H. Rizvi, J. Ahmad, Remaining life assessment of platforming reactor vessels, , Engineering Failure Analysis, Volume 18, Issue 4, June 2011, Pages 1247-1252

The articles published by the faculty members of Department of Electrical Engg are listed below:

- M. K. Samee and J. Götze: CDMA Based Reversible and Blind Watermarking Scheme for Images, International Conference on Intelligence and Information Technology (ICIIT 2010), Lahore, Pakistan, October 2010 (will be published in International Journal of Computer and Communication Engineering (IJCCE, ISSN: 2010-3743), 2012).
- M. K. Samee and J. Götze: CDMA Based Blind and Reversible Watermarking Scheme for Images in Wavelet Domain, 19th International Conference on Systems, Signals and Image Processing (IWSSIP 2012), Vienna, Austria, April 2012. (included in IEEE Xplore)


A Umair, H Raza, Controlled synthesis of bilayer graphene on nickel, Nanoscale research letters 7 (1), 437, 2012.


J Lee, JJ Cha, S Barron, DA Muller, RB Van Dover, EK Amponsah, TH Hou, H Raza et al., Stackable nonvolatile memory with ultra thin polysilicon film and low-leakage (Ti,Dy)xOy for low processing temperature and low operating voltages, Microelectronic Engineering 88 (12), 3462-3465, 2011.

RESEARCH COLLABORATION
The Department of Metallurgy & Materials Engineering, CEET has established collaboration with following institutions:

- Indigenous
  o Centre for Advance Studies in Physics, Govt College University, Lahore
  o Center for Excellence in Solid State Physics, University of the Punjab, Lahore

- Foreign Linkages
  o Prof. Wasseem Haider, Assistant Professor, University of Texas Pan American, USA
  o Natural Gas Metering in SNGTI 2012

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- Conferences, Seminars and Workshops etc.
  o Workshop conducted on “Importance of Global Textile Standards & Compliance Requirements” on 5th April, 2012 in collaboration with Ministry of Textile Industry, Textile Testing International (TTI) and University of Management & Technology (UMT)

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

- Research & Development – An Overview
  o 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) waste water treatment.

- Projects (ii) Newly Launched
  o The faculty is motivated and facilitated to apply for grants from local and foreign agencies. The details of few of the projects initiated with the help of HEC, University of the Punjab and SNGPL are given below:

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<th>Funded by</th>
<th>Approved Amount</th>
<th>Approved Date</th>
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<tr>
<td>Catalytic Hydrodechlorination of Chlorophenols</td>
<td>Higher Education Commission</td>
<td>Rs. 992,585/-</td>
<td>24-05-2011</td>
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<td>Fast Pyrolysis of Agricultural Residues for the production of Bio Oil /Liquid Fuel</td>
<td>Punjab University</td>
<td>Rs. 1.360 million</td>
<td>07-02-2011</td>
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<td>Biogas Techno-economic feasibility for the production of 5 MMCFD Biogas Plant</td>
<td>SNGPL</td>
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<td>Comparative Study of Black Powder test with the analysis report of Dr. Johon Smart from 36” Qadir Pur Bhong Pipeline Segment</td>
<td>SNGPL</td>
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<td>Provision of Technical Specifications, Supplier Details and Mechanism of Iso</td>
<td>SNGPL</td>
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<td>Kinetic Kit to SNGPL</td>
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<td>Optimization of the amount of Inhibitor to be injected for protection of Gas</td>
<td>SNGPL</td>
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<td>Pipeline transmitting gas with high sulphur contents to Engro Power.</td>
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<tr>
<td>Elaboration of the route path/process/mechanism of Solid Particles especially</td>
<td>SNGPL</td>
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<td>clay and Quartz detection in the gas pipeline.</td>
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**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 are given below:

- M. Saleem., M. S. Tahir, G. Krammer, “Experimental measurement of axial gas flow distribution in pulse-jet bag filter”, 11th World Filtration Congress, Graz, Austria

o M. Saleem, G. Krammer, M.S. Tahir, “Measurement and Simulation of Axial Velocity in a Filter Bag”, Chemical Engineering & Technology (IF 1.394) 35 (00), 1-10

o M. Saleem, G. Krammer, M. Suleman, “Effect of Operating Parameters on Resistance Parameters of Filter Media and Limestone Dust Cake for Uniformly Loaded Needle Felts in a Pilot Scale Test Facility at Ambient Conditions”, Powder Technology (IF 2.009) 228 (September 2012), 100-107

- Conferences, Seminars and Workshops etc.
  o Institute of Chemical Engineering and Technology organized International Conference on Engineering Sciences ICES-2012 in Feb 2012.

- Research Journals
  Following two journals are published by the faculty and institute jointly on annual basis:
  o Journal of Faculty of Engineering and Technology
  o Journal of Pakistan Institute of Chemical Engineers

**RESEARCH COLLABORATION**

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

- Foreign Linkages
  o University has signed a few MOUs with the foreign universities. Recently a MOU has been signed with University Technology Petronas Malaysia.

- Funding Grants for R&D
  o Faculty at the institute actively participates in R & D activities. Every year faculty earns significant research grant from Punjab University Research Grant. Recently 08 faculty members got University of the Punjab annual research grant. Three of the faculty members have got research grants from HEC and DAAD.

**INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT**

- Research & Development – An Overview
  o Ph.D. in TQM program has been re launched after a gap of 8 years. 6 Students have completed first term of course work. 45 MS TQM thesis supervised in this Institute.

- Projects (i) Completed
  o Dr. Muhammad Usman Awan has successfully completed research project about quality in higher education institutions funded by University of the Punjab.

  (ii) Newly Launched
  o Two Lecturers of the Institute have been awarded research grants by the University of the Punjab.
• **Publications**
  - Mr. Hakeem-ur-Rehman, Application of Six Sigma at Cell Site Construction: A Case Study, Asian Journal on Quality (Emerald Article).

• **Research Journals**
  Institute publishes two research journals.
  - Journal of Quality & Technology Management is recognized by HEC in category X.
  - Journal “International Journal on Quality & Innovation is published by international published Inter Science.

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**OFFICE OF RESEARCH, INNOVATION & COMMERCIALIZATION (ORIC)**

• **Operation of ORIC**
  - A separate Office of Research, Innovation & Commercialization (ORIC) was established at Punjab University to develop, expand, enhance and manage the University's research programs and to link research activities directly to the educational, social and economic priorities of the university and its broader community. The office is also responsible for assuring that the quality of research reflects the highest international standards of the university among the world's best research institutions.

• **Functions of ORIC**
  - The main aims of Office of Research, Innovation & commercialization (ORIC) are as follows: Identify research grant & create particularly opportunities for faculty to apply. Facilitate faculty to apply for research grants. Legal, administrative and financial management support of research grants. Support commercialization, licensing, etc. of the University research.

• **Establishing of ORIC**
  - Research Office was established at University of the Punjab with effect from April 2010 in compliance of the directive of the Vice Chancellor; as at present, Research Office has now been renamed as “Office of Research Innovation & Commercialization” (ORIC), with effect from January 2011. The Office of Research, Innovation and Commercialization (ORIC) University of the Punjab has been notified by Higher Education Commission (HEC), Islamabad on 01.01.2011.

• **Budget of ORIC**
  - Allocation : 2.650 million
  - Posts : 1.2144 million
Higher Education Commission (HEC) has allocated 15% share to ORIC from the grants awarded to the projects of Punjab University faculty funded by HEC.

Activities

![Invention to Innovation Summit on 18th June 2012](image)

- Workshops/ Seminars/ Video Conferences/ Training courses organized by ORIC
  - Workshops on “Qualitative Research using NVIVO 9 Software” conducted on 17th March, 2012.
  - Workshop on “HEC Plagiarism Policy and Turnitin Software” held on 23rd April, 2012.
  - Workshop on “Financial Modeling using MS Excel Advanced Tools” held on 19th May 2012.
  - A Summit “Invention to Innovation Summit” held on 18th June 2012.
  - Workshop on “Computerized Accounting using Peachtree Quantum” held on 7th July 2012.
  - Workshop on “Qualitative Research with “NVivo 9” Software (Hands on practice)” held on 7th July 2012.
  - A Seminar on “Platform for Bridging Academia- Industry Linkages” held on 20th September 2012.
  - Workshop on “Quantitative Data Analysis using SPSS” held on 29th September 2012.
  - On the advice of worthy Vice Chancellor, Director and ORIC staff of Punjab University participated in a 5 Days (January 23-27, 2012) extensive training sessions on “Capacity Building for ORIC’s Managers” organized by HEC and British Council at NUST, Islamabad. The other
participants were ORIC officials from 13 different Universities of Pakistan. The core objectives of this workshop were to develop the understanding of significance of Intellectual Properties (IP) in commercialization, Technology transfer process, setting up the technology incubation centers, Proposal and report writing for the purpose of availing the funding opportunities. The platform has provided an excellent opportunity for ORIC office of Punjab University to strengthen the research culture in Punjab University in line with the research vision of worthy Vice Chancellor.

- **Future Targets:**

  ORIC is preparing a database of all the research activities including existing and new research projects, contractual/ commercial research activities, research output in terms of publications, products, patents, etc. and information of research meetings/ conferences organized in each academic department of the University. Research focal persons (RFP) from each academic unit have been identified. The major functions of Research Focal Persons are to coordinate the following activities through the head of academic unit with the ORIC.

  - To provide the necessary information about research activities in his/ her academic unit. These activities may include new and existing research projects, contractual/ commercial research activities, and research output in terms of publications, products, patents and information of research meetings / conferences, organized.
  - Participate in the meetings, training sessions, and other activities notified by the ORIC.
  - Disseminate the information about new research funding opportunities communicated by the ORIC to other fellow faculty members/ researchers through e-mails, letters, circulars, etc. through the head of his/ her academic unit.
  - To prepare Research Activity Performa for each new and existing research projects through the head.
  - To save time of our faculty members/ researchers; the ORIC encourages to e-mail their Research Activity Performa (RAP) on the official e-mail address of Office of Research Innovation & commercialization (ORIC) is placed on Punjab University website.

Office of Research Innovation & Commercialization is relatively a new function / department. HEC has recently provided grant for building its own infrastructure and work is in process in this regard of building its own offices.

**FACULTY OF ISLAMIC STUDIES**

**DEPARTMENT OF ISLAMIC STUDIES**

- **Projects (i) Completed**
  - Concept of Nafs in Quran and Modern Psychological Thought

(ii) **Newly Launched**
  - Quranic Concept of Religion
• Publications

Prof. Dr. Hafiz Mahmood Akhtar

Dr. Tahira Basharat

Dr. Muhammad Saad Siddiqui

Dr. Ghulam Ali Khan

Dr. Ihsan ur Rehman Ghauri

Dr. Shahida Parveen

Mr. Asim Naeem

• Conferences, Seminars and Workshops etc.
The Department conducted the following three national conferences and one international seminar during the period in question:

- “Tadrees Uloom-e-Islamia Kay Maayar ke Behtree aur Masaael o Tajaaweez”
- “Akhlaqi Adab aur Amn-e-Aalam ka Chellange”
- Seerat un Nabi Conference
- Saudi Arab main Muqeem Pakistani Talba kay liyay Seminar”

- Research Journals
  - Two issues of “Al-Qalam” were published during the period in question.

DEPARTMENT OF URDU ENCYCLOPEDIA OF ISLAM

- Projects (ii) Newly Launched

  Dr. Manzoor Akhtar Tehsin Feraqi
  - Six Persian Verse collections of Qudrat-allah Baligh, Contemporary of Sauda, in manuscript form. Editing and annotations in process.
  - Persian Divan of Amir Minai (Manuscript), Ready for Press.
  - Selected Poems of N.M. Rashed (In the Process of publication). Edited and annotated.

- Publications

  Dr. Mahmood-ul-Hassan Arif
  - Dr. Mahmood-ul-Hassan Arif, Mashahaer Banaam Moulana Sameeul Huque (The letters of the well known persons, in the name of Moulana Samiul Huque, in the monthly Magazine, Al-Huqq, published by Darul-Uloom Haqqania, Akoora Khatak, District Pishawar, KPK

  Dr. Shamim Roshan Ara
  - Maulana Khair Mohammad, Hayat & Khidmat, Jamia, Dec. 2011, Jamia Millia Islamia Delhi, India.
  - Sayid Hajwari Ka Phalsafa Tasawaf, Jamia, Dec. 2011, Jamia Millia Islamia Delhi, India.

  Dr. Hafsa Nasreen
  - “A Study of Foreign words and dialectual variations in the speech of Prophet Muhammad (p.b.u.h.)”, in Maarif, Azam Gadh, India, March, 2012.

  Dr. Manzoor Akhtar Tehsin Feraqi
  - Annemarie Schimmel Bahaisiat Ghalib Shanas, Mabahis-I, June 2012.
mustashiqin ka usloob-e-seerat-nigari aur abdul majid daryabadi, tehqiq nama (hec approved journal no. 11), july 2012.
ittehad-i-aalam-islami fikr-e-iqbal ki roshni mein, dawah, islamabad, april-may 2012.
pakistan mein ghalib shanas, makhzan, vol. 12, no. 1, jan-june 2012.
abdul majid daryabadi and orientalists’ biographies of the holy prophet (pbuh), oriental college magazine (hec approved journal), vol. 87, no.2, 2012.
urdu afsana - chand taassurat, chand sawalat, nigharshat alhamra publications, lac, 2012.
books:
shakh-e-zaryab, alhamd publications, lahore 2012
afzal haq qarshi
afzal haq qarshi, muhammad suheyl umar and tahir hameed tanoli. intellectual legacy: essays by dr. javed iqbal on academic, literary, educational issues, political thought and pakistan. lahore: iqbal academy 2012.

conferences, seminars and workshops etc.
dr. mahmood-ul-hassan arif
dr. mahmood-ul-hassan arif, participated in the national seminar entitled: "dialogue on basis, foundations of religion, possibilities, benefits and suggestions under the scope of the seeratunnabi" under auspicious wifaqi, uloom islamia held at the university for arts, science and technologies, karachi, november, 2011.
dr. mahmood-ul-hassan arif, participated and presented article in the national conference entitled "human being creation substance in quranic teaching", held at science and humanities, department of national university of computer and emerging sciences, karachi, on september, 10, 11, 2012.
dr. mahmood-ul-hassan arif, participated and presented an article in the national conference, on the literature of morality of the sub-continent, organized by the international league of islamic literature, at sheikh zayid islamic centre, quaid-i-azam campus, p.u. lahore, on april 12, 2012.
dr. shamim roshan ara
study of iqbal at szic, p.u., on 9-11-2012.
o Concept of Shahadat at Law College P.U., on 1-1-2012.

Dr. Hafsa Nasreen  
Attended and Presented Papers in:  
Attended:  
o "Concept of Shahadat" at Law College, P.U. on, 01-01-2012. 
o "Study of Iqbal", at SZIC, P. U. on 09-11-2012. 
o International Conference on "Ideal Human and Ideal Society in the Thoughts of M. Fathullah Gulen" at P. U., on 20-21st Nov. 2012.

Dr. Manzoor Akhtar Tehsin Feraqi  
o Participated in “Ghalib Symposium” held under the auspices of Quaid-e-Azam Library, Lahore and delivered a lecture on Ghalib’s literary achievements, Feb. 29, 2012.

Afzal Haq Qarshi  
o Afzal Haq Qarshi, Makateeb Baba-e-Urdu banam Dr. Syed Abdullah. Mabahis-I Jan-June 2012.

SHEIKH ZAYED ISLAMIC CENTRE

• Publications
  Dr. Muhammad Ijaz, Director, Sheikh Zayed Islamic Centre  
o Topic: , Journal: Al-Adwa,  
o Topic: Islamic Modes of Financing, Journal: Al-Adwa,  
SZIC PU, Lahore, ISSN: 1995-7904, Category: Y, Date: June 2012, Volume No. 27, Issue No.37, Page No. 33 to 40. 
o Name: Dr. Muhammad Abdullah  
o Associate Professor, SZIC  
o Topic: The Role of Faith in Developing A Sense of Responsibility and Accountability, Journal: Al- 
Adwa, SZIC PU, Lahore, ISSN: 1995-7904, Category: Y, Date: December 2011, Volume No. 26, Issue No.36, Page No. 35 to 46. 
o Topic: Trends of Nazm-Al-Qurān in Tafsīr Literature, Journal: Al-Adwa,  
SZIC PU, Lahore, ISSN: 1995-7904, Category: Y, Date: June 2012, Volume No. 27, Issue No.37, Page No. 55 to 70.

Dr. Hafiz Abdullah, Assistant Professor, SZIC  
o Topic: The Role of Faith in Developing A Sense of Responsibility and Accountability, Journal: Al- 
Adwa, SZIC PU, Lahore, ISSN: 1995-7904, Category: Y, Date: December 2011, Volume No. 26, Issue No.36, Page No. 35 to 46.
Research and Development


**Name: Dr. Abdul Wafa Mahmood, Assistant Professor, SZIC**


**Dr. Ishtiaq Ahmad Gondal, Assistant Professor, SZIC**


**Name: Dr. Hafiz Muhammad Abdul Qayyum, Assistant Professor, SZIC**


**Name: Dr. Hafiz Abdul Basit Khan, Assistant Professor, SZIC**


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

Sheikh Zayed Islamic Centre organized different seminars during October 01, 2011 to September 30, 2012 according to the following detail:

- **Date** 25-11-2011 to 26-11-2011
  - **Speakers** Dr. Safeer Akhtar, Mr. Ishaq Bhatti, Dr. Hafiz Mahmood Akhtar
  - **Topic** Baraysakheer main Aloom e Islamia ki Tarih

- **Date** 12-12-2011
  - **Speakers** Dr. Asia Shabbir Mansoori
  - **Topic** Taqabli Adiyan Mutaliyiati Munhaj aur Tareeq-e-qar

- **Date** 20-12-2011
  - **Speakers** Maulana Dr. Aslam Saddiqui
  - **Topic** Al-Nabi Khatim (S.A.W.)

- **Date** 21-12-2011
  - **Speakers** Dr. Umme Kalsoom
  - **Topic** Saqoot-e-Dhaka

- **Date** 16-02-2012
  - **Speakers** Dr. Asia Shabbir Mansoori
  - **Topic** Tafaqa fi deen di zaroorat aur fiqah al-Quran
Research Journals

A bi-annual and multilingual research journal "Al-Adwa" is being published by the Centre which is an approved journal of Higher Education Commission (HEC) in "Y" Category. The current issue of December 2012 is in pipeline. Dr. Muhammad Ijaz Director Sheikh Zayed Islamic Centre is Chief Editor and Dr. Hafiz Muhammad Abdul Qayyum is the Editor of said journal.

FACULTY OF LAW

UNIVERSITY LAW COLLEGE

Conferences, Seminars and Workshops etc.


Research Journals

Ms. Shazia Qureshi
Assistant Professor
Feminist Analysis of Human Rights Law
(Journal of Political Studies vol.19 Issue-2, Winter 2012, 41-55)
(Journal of Political Studies vol.19 Issue-2, Winter 2012, 111-124)

Mr. Samee Ozair Khan
Assistant Professor (Co Author)
Ethnic Factor in Afghanistan
Basic Structure of Constitution: Impact of Kesavananda Bharti
Impact of the Objectives Resolution on Legal System Vol 16 Issue 2, December 2011 Al-Qalam (HEC recognized)
Talaq: Impact of Tensions between Law and Shariah in Pakistan Vol 16 Issue 2, December 2011 Al-Qalam (HEC recognized)

Dr. Aman Ullah Malik
Assistant Professor
(Co author)

Impact of the Objectives Resolution on Legal System Vol 16 Issue 2, December 2011 Al-Qalam (HEC recognized)
Talaq: Impact of Tensions between Law and Shariah in Pakistan Vol 16 Issue 2, December 2011 Al-Qalam (HEC recognized)

Mr. Naeem Ullah Khan
Lecturer
(Co author)

Evolving Paradigm relating to ADR in Pakistan, International Journal on Contemporary Research and Business (IJCRB), March 2012.

RESEARCH COLLABORATION

- Foreign Linkages
  - Link – Lexis Nexis
- Funding Grants for R&D
  - Link – Lexis Nexis

FACULTY OF LIFE SCIENCES

CENTRE FOR CLINICAL PSYCHOLOGY

- Research & Development – An Overview
  - Research courses are taught at both undergraduate and graduate level. Individual research projects are essential requirement for students of masters and doctorate level and undergraduate students. Research supervisors are assigned to every student undergoing their research project
at masters and doctorate level. 18 research theses are completed and added to library during this year by the MS students and 29 by BS (Hons.) students.

- **Projects (i) Completed**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Project Name</th>
<th>Name of Faculty</th>
<th>Duration</th>
<th>Sponsoring Agency</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Common Mental Disorders (CMDS) among Women Presenting with Gynecological Complaints</td>
<td>Dr. Nashi Khan</td>
<td>One Year</td>
<td>Punjab University</td>
<td>150000</td>
</tr>
<tr>
<td>2</td>
<td>Development of Scale for Emotional Intelligence – Adolescent Version</td>
<td>Dr. Saima Dawood</td>
<td>One Year</td>
<td>Punjab University</td>
<td>150000</td>
</tr>
<tr>
<td>3</td>
<td>Personality Traits, creativity and Psychological Adjustment among University Students</td>
<td>Aasma Yousaf</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
<tr>
<td>4</td>
<td>Parents Perception of Adolescents Self Harm Behaviors: A Qualitative Study</td>
<td>Humaira Naz</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
<tr>
<td>5</td>
<td>Prevalence of Sexual Disorders among Married Couples of Lahore</td>
<td>Tehreem Arshad</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
</tbody>
</table>

(ii) **Newly Launched**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Project Name</th>
<th>Name of Faculty</th>
<th>Duration</th>
<th>Sponsoring Agency</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Perceptions &amp; Beliefs of Men Presenting with Dhat Syndrome</td>
<td>Dr. Nashi Khan</td>
<td>One Year</td>
<td>Punjab University</td>
<td>150000</td>
</tr>
<tr>
<td>2</td>
<td>An exploration of Behavioural and Psychological Correlates of Dementia / Alzheimer’s Disease and Caregivers Distress</td>
<td>Dr. Saima Dawood</td>
<td>One Year</td>
<td>Punjab University</td>
<td>150000</td>
</tr>
<tr>
<td>3</td>
<td>Caregiver burden, and belief among caregivers of patients with hepatitis C</td>
<td>Aasma Yousaf</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
<tr>
<td>4</td>
<td>Illness perception, coping and mental health among patients with chronic pain</td>
<td>Humaira Naz</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
<tr>
<td>5</td>
<td>Spiritual Intelligence, Happiness and Psychological Adjustment among University Students</td>
<td>Tehreem Arshad</td>
<td>One Year</td>
<td>Punjab University</td>
<td>125000</td>
</tr>
</tbody>
</table>

- **Publications**

<table>
<thead>
<tr>
<th>Authors Name</th>
<th>Article</th>
<th>Journal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naz F., &amp; Kausar R.</td>
<td>Parental Acceptance Rejection</td>
<td>Journal of Behavioural</td>
</tr>
</tbody>
</table>
### Authors Name

<table>
<thead>
<tr>
<th>Authors Name</th>
<th>Article</th>
<th>Journal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Nashi Khan, Adeela Khalid</td>
<td>Pathways of Women Prisoners to Jail in Pakistan</td>
<td>Journal of Health Psychology Perspective, 2012</td>
</tr>
<tr>
<td>Dr. Nashi Khan, Hira Fatima</td>
<td>Perception of Women Reporting Vaginal Discharge at Gynecology Clinics, Lahore.</td>
<td>Journal of Behavioural Sciences, 2012 (Submitted)</td>
</tr>
<tr>
<td>Dr. Nashi Khan, Hidna Iqbal</td>
<td>Demographic Variables of Men with Erectile Dysfunction</td>
<td>Journal of Behavioural Sciences, 2012 (Submitted)</td>
</tr>
<tr>
<td>Dr. Saima Dawood &amp; Fakhar Jehan</td>
<td>Efficacy of Behaviour Therapy in the Treatment of OCD patients</td>
<td>Pakistan Journal of Clinical Psychology, 2012 (Submitted)</td>
</tr>
</tbody>
</table>

### Conferences, Seminars and Workshops etc.

<table>
<thead>
<tr>
<th>Name</th>
<th>Sponsors</th>
<th>Presentation Oral / Poster</th>
<th>Topic</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maryam Suheyl</td>
<td>CCP</td>
<td>Oral</td>
<td>Workshop on Marital and Family Therapy</td>
<td>3rd November, 2011</td>
</tr>
<tr>
<td>Ms. Saima Salman</td>
<td>CCP</td>
<td>Oral</td>
<td>Workshop on REBT in a Nutshell: Basic Diagnostic and Intervention Skills</td>
<td>16th December, 2011</td>
</tr>
<tr>
<td>Dr. Umneea Khan</td>
<td>CCP</td>
<td>Oral</td>
<td>Workshop on Psychopathic like</td>
<td>22nd</td>
</tr>
<tr>
<td>Name</td>
<td>Sponsors</td>
<td>Presentation Oral / Poster</td>
<td>Topic</td>
<td>Date</td>
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<tr>
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</tr>
<tr>
<td>Elin Mahle</td>
<td>CCP</td>
<td>Oral</td>
<td>Psychological Management of Children After Disaster</td>
<td>22nd &amp; 24th February, 2012</td>
</tr>
<tr>
<td>Unni Marrie Heltne</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ms. Amira Amjad</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Rab Nawaz Lodhi</td>
<td>CCP</td>
<td>Oral</td>
<td>Nvivo Software for Interpreting Qualitative Research Data</td>
<td>12th May, 2012</td>
</tr>
<tr>
<td>Dr. Ifitkhar N. Hassan</td>
<td>CCP</td>
<td>Oral</td>
<td>Workshop on Counseling Skills</td>
<td>17th &amp; 18th May, 2012</td>
</tr>
<tr>
<td>Dr. Aneeq Ahmed Khan</td>
<td>CCP</td>
<td>Oral</td>
<td>A Lecture on Dietary Omega-3 Fatty Acids and The Brain</td>
<td>1st February, 2012</td>
</tr>
<tr>
<td>Ms. Wajeeha Zahra</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Childhood Disorder</td>
<td>14th &amp; 21st September, 2011</td>
</tr>
<tr>
<td>Ms. Mujeeba Ashraf</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Data Analysis in Grounded Theory</td>
<td>11th January, 2012</td>
</tr>
<tr>
<td>Dr. Naumana Amjad</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Anger Problems in Children</td>
<td>18th January, 2012</td>
</tr>
<tr>
<td>Dr. Aneeq Ahmad Khan</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Dietary Omega-3 Fatty Acids and The Brain</td>
<td>1st February, 2012</td>
</tr>
<tr>
<td>Dr. Altaf Qadir Khan</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Mental status Examination and Interviewing Skills</td>
<td>7th March, 2012</td>
</tr>
<tr>
<td>Ms. Saira M. Khan</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Personal and Professional Development: Be the Master of your Own Life</td>
<td>21st March, 2012</td>
</tr>
<tr>
<td>Dr. Moeen Ahmad</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Epilepsy</td>
<td>4th April, 2012</td>
</tr>
<tr>
<td>Dr. Ghulam Mustafa</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Child Psychiatry: An Overview</td>
<td>18th April, 2012</td>
</tr>
<tr>
<td>Dr. Irum Fatima</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Ethical Standards in Research</td>
<td>16th May, 2012</td>
</tr>
<tr>
<td>Ms. Mirrat Gul Butt</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Dialectical Behavior Therapy</td>
<td>30th May, 2012</td>
</tr>
<tr>
<td>Dr. Urusa Fahim</td>
<td>CCP</td>
<td>Oral</td>
<td>Extension Lecture on Self Awareness</td>
<td>28th September, 2012</td>
</tr>
</tbody>
</table>
• Research Journals
  o Pakistan Journal of Professional Psychology: Research & Practice 2nd Issue is in process.

**CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY**

• Research & Development – An Overview
  o The Centre of Excellence in Molecular Biology continues to pursue its objective of advanced teaching and research. Different research groups like previous year are actively engaged in Plant Biotechnology, Stem Cell Research, Functional Genomics, DNA Sequencing and Genotyping, Molecular Basis of Genetic Diseases, Forensic Science, Biopharmaceutical, Seed Biotechnology, Molecular Diagnosis of diseases etc areas of molecular biology. The scientists of the Centre published research papers in high impact factor peer reviewed journals. The excellent academic environment, prevailing in the Centre attract scientists from Pakistan and abroad, to spend sabbatical assignments at the Centre.

• Projects (i) Completed

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Projects</th>
<th>Duration</th>
<th>Sponsoring Agency</th>
<th>Funding</th>
<th>Total Approved Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Molecular Genetics of Usher Syndrome Type 1 in Pakistani Population.</td>
<td>36 Months</td>
<td>Higher Education Commission</td>
<td>8.497 Million</td>
<td>8.743 Million</td>
</tr>
</tbody>
</table>

(ii) Newly Launched

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Projects</th>
<th>Duration</th>
<th>Sponsoring Agency</th>
<th>Funding</th>
<th>Total Approved Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Transformation of Gene Constructs and genetically engineered germplasm resource/commercial genotypes resistant to develop cotton leaf curl disease and/or its insect vector.</td>
<td>36 Months</td>
<td>ICARDA</td>
<td>4.396 Million</td>
<td>150936 US$</td>
</tr>
</tbody>
</table>

• Publications

Research Papers:


- Choudhery MS., Khan M., Mahmood R., Mehmood A., Khan SN and Riazuddin S (2012). Bone marrow derived mesenchymal stem cells from aged mice have reduced wound healing,


**Books Published:**


**Book Chapter:**


**Conferences, Seminars and Workshops etc.**

Cotton Genome Initiative conference (ICGI). Raleigh, North Carolina, USA, (October 09-12, 2012.)

RESEARCH COLLABORATION
- Indigenous
  - Bahaudin Zakria University, Multan.
  - CCRI Multan
  - University of Veterinary and Animals Sciences, Lahore.
- Foreign Linkages
  - Pak – USA
- Funding Grants for R&D

<table>
<thead>
<tr>
<th></th>
<th>Project Title</th>
<th>Duration</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A Molecular Approach to Prevent Hereditary Blindness in Pakistan.</td>
<td>36 Months</td>
<td>Higher Education Commission (PAK-USA)</td>
<td>6.688 Million</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>78,232 US$</td>
</tr>
<tr>
<td>2</td>
<td>The Development of Oligonucleotide Microarray and its use in the analysis of abiotic Stress</td>
<td>36 Months</td>
<td>Higher Education Commission</td>
<td>3.930 Million</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6.445 Million</td>
</tr>
<tr>
<td>3</td>
<td>Cellular Characterization of Cotton Universal Stress Protein USP Genes and Their Role in Drought Stress</td>
<td>36 Months</td>
<td>Higher Education Commission</td>
<td>1.719 Million</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.696 Million</td>
</tr>
<tr>
<td>4</td>
<td>Transformation of Bt cotton with Transgenic Factor Gene of Gossypium arboreum to enhance drought Tolerance</td>
<td>36 Months</td>
<td>Higher Education Commission</td>
<td>0.850 Million</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.776 Million</td>
</tr>
</tbody>
</table>

DEPARTMENT OF APPLIED PSYCHOLOGY
- Research & Development – An Overview
  - A Centre for Psychological Research and Services has been established as a unit of the Department of Applied Psychology. The aim is to produce high quality research. Information on Departmental research is available on www.pu.edu.pk/appsy. 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. They win research grants each year, present their research work at international forums and publish research work in journals of repute.

- **Projects (i) Completed**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Project Name</th>
<th>Name of Faculty Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Gender Disparity and Achievement Gaps in Higher Education</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td></td>
<td>Duration 2 years, Research grant by Vice Chancellor, University of the Punjab, Lahore</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Partners on “Global Climate Change and Health Security: Concepts, Methodology and Burden of Disease Assessment for Asia” with Prof. Dr. Alexander Krämer, Dr. MMH Khan, Heiko Jahn, Belfield University, Germany (ongoing).</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>3.</td>
<td>Collaborative project on “Parental power-prestige and the effects of paternal versus maternal acceptance on the psychological adjustment of offspring”, with Ronald P Rohner, Ronald and Nancy Rohner Centre for the Study of Interpersonal Acceptance and Rejection, Department of Human Development and Family Studies, University of Connecticut, USA.</td>
<td>Rukhsana Kasuar</td>
</tr>
<tr>
<td>5.</td>
<td>Sources of Academic Stress in Intermediate Science Students, 2011-2012, University of the Punjab, Rs. 150,000</td>
<td>Iram Fatima</td>
</tr>
<tr>
<td>6.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab, Ethical Institutionalization, personality Traits and Job Related Outcomes of University Teachers, (2011-2012)</td>
<td>Shazia Khalid</td>
</tr>
<tr>
<td>7.</td>
<td>Positive and Negative Psychological Correlates, Gender Specific and Traditional Factors for First Onset Angina in a Sample of Pakistani Women. (Duration 1 year) Research grant approved by Research Evaluation Committee, University of the Punjab (June, 2011) (1 lac 25 thousand)</td>
<td>Rafia Rafique</td>
</tr>
<tr>
<td>8.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab. Dialysis Modality Preferences and quality of life in Adolescences with pediatric Renal Failure</td>
<td>Afsheen Masood</td>
</tr>
<tr>
<td>10.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab. Self-Perception and Employee Perception</td>
<td>Tahira Mubashir</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Project Name</td>
<td>Name of Faculty Member</td>
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</tr>
<tr>
<td>11.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab, 2012,</td>
<td>Afifa Anjum</td>
</tr>
<tr>
<td></td>
<td>Diagnostic uncertainty and its consequences in relation to Dengue fever</td>
<td></td>
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<tr>
<td>12.</td>
<td>Gender Differences in Indulgence in Unfair Means by Students during Examination, completed</td>
<td>Ms. Shahnila Tariq</td>
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<tr>
<td></td>
<td>in 8 months, sponsored by University of the Punjab</td>
<td></td>
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<tr>
<td>13.</td>
<td>Corruption in education sector: An exploratory study, completed in 8 months, sponsored by</td>
<td>Ms. Shahnila Tariq</td>
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<td>University of the Punjab</td>
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</tbody>
</table>

(ii) Newly Launched

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Project Name</th>
<th>Name of Faculty Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Submitted to centre for Companion and Altruism Research, Stanford University, USA 11 Months,</td>
<td>Naumana Amjad</td>
</tr>
<tr>
<td></td>
<td>Building interfaith/comparison</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab, Job</td>
<td>MS Shazia Khalid</td>
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<tr>
<td></td>
<td>satisfaction, organizational Commitment and Turnover Intentions in relation to perceived</td>
<td></td>
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<td></td>
<td>organizational politics among administrative staff of university of the Punjab (2012-2013)</td>
<td></td>
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<tr>
<td>4.</td>
<td>Neuropsychological Functioning in Patients Diagnosed with Myocardial Infarction: With and</td>
<td>Rafia Rafique</td>
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<tr>
<td></td>
<td>Without Type II Diabetes(duration 1 year)Research grant approved by Research Evaluation</td>
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<td></td>
<td>Committee, University of the Punjab (June, 2012) (1 lac 25 thousand)</td>
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<tr>
<td>5.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab. Religious</td>
<td>Ms Afsheen Masood</td>
</tr>
<tr>
<td></td>
<td>Involvement, Family Functioning and Conflict Resolution in Family Relationships (2012-2013)</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Research grant approved by Research Evaluation Committee, University of the Punjab. Psycho-</td>
<td>Ms Tahira Mubashir</td>
</tr>
<tr>
<td></td>
<td>Social and Behavioral Skills Profiling, Assessment and their Association with Job Performance</td>
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<td></td>
<td>in Non-Teaching and Administrative Staff of a Public Sector University (2012-2013)</td>
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</tbody>
</table>

- **Publications**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Papers Published</th>
<th>Name of Author</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Global pattern of experienced and anticipated discrimination reported by people with major depressive disorder: a cross-sectional survey, the Lancet (<a href="http://www.thelancet.com">www.thelancet.com</a> Published online) October 18, 2012 <a href="http://dx.doi.org/10.1016/S0140-6736(12)61379-8">http://dx.doi.org/10.1016/S0140-6736(12)61379-8</a></td>
<td>Et al…Rukhsana Kausar</td>
</tr>
<tr>
<td>2.</td>
<td>Parental Rejection and Comorbid Disorders in Adolescents with</td>
<td>Fauzia Naz &amp;</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Papers Published</td>
<td>Name of Author</td>
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<tr>
<td>16.</td>
<td>Demographic Predictors of Depression influencing Quality of Life among Renal Transplant Recipients (International Journal of Research</td>
<td>Fatima Kamran</td>
</tr>
</tbody>
</table>
### Research and Development

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Papers Published</th>
<th>Name of Author</th>
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</thead>
<tbody>
<tr>
<td>18.</td>
<td>The prevalence of Dyslexia in the Middle School Students of Lahore City of Pakistan</td>
<td>Mujeeba Ashraf &amp; Saima Majeed</td>
</tr>
</tbody>
</table>

### Conferences, Seminars and Workshops etc.

<table>
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<tr>
<th>Sr. No.</th>
<th>Name of Conference/Seminar/Workshop</th>
<th>Name of Faculty Member</th>
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<tbody>
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<td>Sr. No.</td>
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<td>Name of Faculty Member</td>
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<td>Sr. No.</td>
<td>Name of Conference/Seminar/Workshop</td>
<td>Name of Faculty Member</td>
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<tr>
<td>22</td>
<td>Construction of Mental Health Screening Questionnaire. 9th International Neuropsycon 2012, PC Hotel, Lahore, Pakistan, 3-4 March 2012.</td>
<td>Attended and Presented Rukhsana Kausar</td>
</tr>
<tr>
<td>23</td>
<td>Organized Three Day workshop on “Post Disaster Psychological Management of Children” At Department of Applied Psychology, University of the Punjab, Lahore on 22nd -24th April, 2012.</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>28</td>
<td>Organized a Post-Conference Workshop of International Conference of Applied Psychology (ICAPP 2012) “Application of NVivo Software for Qualitative Data Analysis relating to Industrial &amp; Organizational</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Name of Conference/Seminar/Workshop</td>
<td>Name of Faculty Member</td>
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<tr>
<td>34.</td>
<td>Organized a Pre-Conference Workshop of International Conference of Applied Psychology (ICAPP 2012) “Screening for Depression and Planning Mental Health Interventions for People with Diabetes” on 16th December, 2012.</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>39.</td>
<td>Seminar on “Mentoring and Counseling in Educational Context” in Faculty Development Workshop on 5th July, 2012, Human Resource Department, University of the Punjab, Lahore.</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>40.</td>
<td>Gave a Workshop on &quot;Writing and Scoring Essay type Questions&quot;, in Test Item Construction workshop held on 18-21 June, 2012 at DSD, Lahore.</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>41.</td>
<td>Conducted a Workshop on “Professional Ethics in Educational</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Name of Conference/Seminar/Workshop</td>
<td>Name of Faculty Member</td>
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<tr>
<td>42.</td>
<td>Gave a Seminar on “Conducting and Supervising Research” in Refresher Course for Post Graduate Teachers in Affiliated Colleges, held in May, 2012, University of the Punjab, Lahore</td>
<td>Rukhsana Kausar</td>
</tr>
<tr>
<td>43.</td>
<td>One day workshop on statistical analysis in center of Clinical Psychology, PU, Lahore (March 7, 2012)</td>
<td>Iram Fatima</td>
</tr>
<tr>
<td>44.</td>
<td>One day workshop on regression analysis in Lahore college for women University, Lahore (May 18, 2012)</td>
<td>Iram Fatima</td>
</tr>
<tr>
<td>46.</td>
<td>19th International Neuropsycon (2012) on Psychiatric updates and media awareness “Collaboration between Different Disciplines of Neurosciences towards Optimizing Mental Health Care” (3rd -4th March),</td>
<td>Rafia Rafique</td>
</tr>
<tr>
<td>47.</td>
<td>13th National Psychology Conference “Psychology Need of the Time”. February (10th -11th, 2012), Islamabad.</td>
<td>Rafia Rafique</td>
</tr>
<tr>
<td>49.</td>
<td>13th Pakistan Psychological Association Conference “Let Us Join Hands For Pakistan” 25th – 26th November 2011, held at Hotel Pak Plaza, Lahore, Pakistan.</td>
<td>Rafia Rafique</td>
</tr>
<tr>
<td>53.</td>
<td>Workshop on Teaching &amp; Training Skills, Surrey University, U.K</td>
<td>Fatima Kamran</td>
</tr>
<tr>
<td>54.</td>
<td>Poster presented at Annual PhD Conference, Surrey University, U.K</td>
<td>Fatima Kamran</td>
</tr>
<tr>
<td>55.</td>
<td>Extension Lecture’ New Trends in Data Analysis’ at CCP, P.U</td>
<td>Fatima Kamran</td>
</tr>
<tr>
<td>56.</td>
<td>Participated in a Workshop on In Service Faculty Training Program for</td>
<td>Faiz Younas</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Name of Conference/Seminar/Workshop</td>
<td>Name of Faculty Member</td>
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<tr>
<td>57.</td>
<td>Participated in TOT workshop on Test item Construction Techniques, NTS-HEC Collaboration.</td>
<td>Faiz Younas</td>
</tr>
<tr>
<td>58.</td>
<td>British Psychological Conference (Social Section)</td>
<td>Mujeeba Ashraf</td>
</tr>
<tr>
<td>61.</td>
<td>Presented paper entitled ‘Emotional Distress and Coping Strategies in University Students after the Death of Parental Figure’ in National of Pakistan Psychological Association February 2012.</td>
<td>Tahira Mubashir</td>
</tr>
<tr>
<td>62.</td>
<td>Presented paper entitled ‘Justice Perceptions, Organizational Commitment and Citizenship Behavior in Employees of National and Multination Companies’ in international conference at National Institute of Psychology Quaid-e-Azam University Islamabad</td>
<td>Tahira Mubashir</td>
</tr>
<tr>
<td>68.</td>
<td>4th Pakistan Youth Congress, 1-4th September 2012, PC Hotel Lahore.</td>
<td>Shahnila Tariq</td>
</tr>
</tbody>
</table>

- **Research Journals**
  - The department publishes its official journal “Journal of Behavioral 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 from 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 Ebsco Host, Pro Quest, Asianet and Universal Digital Library (UDL), which is a Malaysian based on-line library.

- Moreover, publishing of “Psychological Abstracts” is another distinguished feature of department. It includes abstracts of research work carried out by students and faculty members of the department.

**RESEARCH COLLABORATION**

- **Foreign Linkages**
  - Dr. Rukhsana Kausar is member Research Consortium as Collaborating Partners on “Global Climate Change and Health Security: Concepts, Methodology and Burden of Disease Assessment for Asia” with Prof. Dr. Alexander Krämer, Dr. MMH Khan, Heiko Jahn, Belfield University, Germany.
  - Dr. Rukhsana Kausar conducted collaborative INDIGO-Depression Project on Stigmatization of patients with psychiatric disorders, with Prof. Graham Tornicroft and Dr. Tine Van Bortel, Institute of Psychiatry, King’s College London.

**DEPARTMENT OF BOTANY**

- **Research & Development – An Overview**
  - Research projects and offered courses are at both undergraduate and graduate levels. Individual research projects are an essential requirement for students of masters, MS, M.Phil and Doctorate level whereas it is optional for undergraduate students. Research supervisors are assigned to every student undergoing their research project at master, MS, M.Phil and Doctorate level. During the period thirty eight papers have been published in impact factor Journals and eight papers have been published in other Journals by faculty members.

- **Projects (i) Completed**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Principal Investigator</th>
<th>Title of the Project</th>
<th>Duration</th>
<th>Amount in Rs.</th>
<th>Sponsored by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Dr. Firdaus-e-Bareen</td>
<td>Role of EDTA in enhancement of uptake of different heavy metals and their root to shoot translocation in plants grown hydroponically</td>
<td>2011-12</td>
<td>250,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>2.</td>
<td>Prof. Dr. Muhammad Saleem</td>
<td>Molecular characterization of sordaria fimicola by single Nucleotide polymorphism (SNP)</td>
<td>2011-12</td>
<td>250,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Abdul Nasir Khalid</td>
<td>Mushrooms of Lahore- their identification based upon rDNA-</td>
<td>2011-12</td>
<td>200,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Principal Investigator</td>
<td>Title of the Project</td>
<td>Duration</td>
<td>Amount in Rs.</td>
<td>Sponsored by</td>
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<tr>
<td>4.</td>
<td>Dr. Humera Afrasiab</td>
<td>&quot;Effect of plant growth regulators on callogenesis and regeneration of Rosemary,&quot;</td>
<td>2011-12</td>
<td>150,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Farkhanda Jabeen</td>
<td>Antibacterial activities of selected plants extracts against Pesticides degrading bacteria</td>
<td>2011-12</td>
<td>150,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>6.</td>
<td>Dr. Ambreen Ahmad</td>
<td>Abelmoschus esculentus: Phytostimulation by Enterobacter sp</td>
<td>2011-12</td>
<td>125,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>7.</td>
<td>Dr. Asma Zulfiqar</td>
<td>Differential effects of chromium on various physiological characteristics of sunflower cultivars</td>
<td>2011-12</td>
<td>125,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>8.</td>
<td>Dr. Abdul Rehman Khan Niazi</td>
<td>Taxonomic affinities of Amanitas (Amanitaceae, Agaricales) and their Ectomycorrhizae from Himalayan moist temperate forests of Pakistan.</td>
<td>2011-12</td>
<td>150,000/-</td>
<td>University of the Punjab</td>
</tr>
</tbody>
</table>

(ii) Newly Launched

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Principal Investigator</th>
<th>Title of the Project</th>
<th>Duration</th>
<th>Amount in Rs.</th>
<th>Sponsored by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Dr. Muhammad Saleem</td>
<td>Study of Molecular diversity in Ascobolus immersus</td>
<td>One Year</td>
<td>2,50,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Faheem Aftab</td>
<td>Mitigation of Salt Stress in Potato by Exogenous Application of Phytohormones or their precursors. 1.IAA and Tryptophan.</td>
<td>One Year</td>
<td>2,00,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Abdul Nasir Khalid</td>
<td>Further Addition to the Mushrooms of Lahore-Identification based upon molecular methods.</td>
<td>One Year</td>
<td>2,00,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Humera Afrasiab</td>
<td>Callogenesis and Micropropagation of medical plant Safflower (Carthamus tinctorius L).</td>
<td>One Year</td>
<td>1,50,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Farkhanda Jabeen</td>
<td>Isolation and characterization of medicinally active compounds from Centratherum anthelminticum (Purple fleebane) from Haripur Hazara,</td>
<td>One Year</td>
<td>1,50,000</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Principal Investigator</td>
<td>Title of the Project</td>
<td>Duration</td>
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<tr>
<td>6.</td>
<td>Dr. Ambreen Ahmed</td>
<td>Bacterial IAA: Extraction, Purification and application for efficient plant growth.</td>
<td>One Year</td>
<td>1,25,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>7.</td>
<td>Dr. Asma Zulfiqar</td>
<td>Role of organic acids in chelation of chromium ions in polluted soils.</td>
<td>One Year</td>
<td>1,25,000/-</td>
<td>University of the Punjab</td>
</tr>
<tr>
<td>8.</td>
<td>Dr. Abdul Rehman Khan Niazi</td>
<td>Fungal Flora of the Man-made Forest Changa Manga, Punjab, Pakistan</td>
<td>One Year</td>
<td>1,50,000/-</td>
<td>University of the Punjab</td>
</tr>
</tbody>
</table>

- **Conferences, Seminars and Workshops etc.**
  - Dr. Farkhanda Jabeen, Assistant Professor attended and presented a poster “Isolation and Biodegradation of Cypermethrin by a Soil Bacterium” in an International workshop “Environmental Technology Technical Symposium & Workshop. November 29 to December 1st 2011 at Washington, DC. USA.
  - Dr. Farkhanda Jabeen Assistant Professor attended the Seminar on Environment Day, June 05, 2012. Organized by Punjab Forest Department and University of the Punjab.
  - Dr. Farkhanda Jabeen Assistant Professor attended the two days Phycological Workshop on Algal collection and Recent Taxonomy of Chlorophycota 25-26th September, 2012. Botany Department, Government College University, Lahore.
  - Dr. Farkhanda Jabeen Assistant Professor attended the International Conference on Sustainable Approaches for pest and Vector Management in Pakistan. Feb, 21-22, 2011. Department of Zoology. Lahore College for Woman University, Lahore.
  - Dr. Farkhanda Jabeen Assistant Professor attended the 32ND Pakistan Congress of Zoology (International), March 6-8, 2012. Zoology Department, Government College University, Lahore.
  - Dr. Ambreen Ahmed Assistant Professor attended and presented Poster: “Gene sequence analysis of auxin producing plant growth promoting bacteria isolated from the indigenous environment” at the National Conference on trends in Biochemistry and Molecular Biology (21st February, 2012) At Quaid-e-Azam University, Islamabad.
  - Dr. Ambreen Ahmed Assistant Professor attended the 32nd Pakistan Congress of Zoology (International) (6-8th March, 2012) at GCU, Lahore and presented a paper on “To study the bioremediation potential of Halomonas sp. and Arthrobacter sp.”
  - Dr. Ambreen Ahmed Assistant Professor, Invited to innovation Summit (18th June, 2012) at Al-Razi Hall, Centre for Undergraduate Studies, Lahore.
  - Dr. Ambreen Ahmed Assistant Professor attended the Video-conference on “Pak-US Science & Technology Cooperation Program (5th Sep, 2012) at Centre for Undergraduate Studies, PU.
Dr. Ambreen Ahmed Assistant Professor attended the International conference on “Research Methodologies: New trends and integrative approach from the bench to bedside” (6-8th Sep, 12) at the University College of Pharmacy, University of the Punjab.

Dr. Ambreen Ahmed Assistant Professor attended the one day workshop on “Quantitative data analysis using SPSS (29th Sep, 2012) at Centre for Undergraduate Studies, University of the Punjab, Lahore.

Dr. Asma Zulfiqar Assistant Professor, attended the workshop on “Computational Biology and Bioinformatics” Workshop (C2BW) from 9th to 13th January, 2012 organized by LUMS School of Science and Engineering.

**Research Publications**


o Yousaf, N., Khalid, A. N. and Niazi, A. R. (2012). New records of Scleroderma (Sclerodermataceae, Agaricomycetes) from Pakistan. Mycotaxon, 122:


o Yousaf, N., Kreisel, H. & Khalid, A. N. (2012). Bovista himalaica sp. nov. (gasteroid fungi; Basidiomycetes) from Pakistan. Mycological Progress, DOI 10.1007/s11557-012-0864-4


- Afshan, N. S., Khalid, A. N. and Niazi, A. R. (2011) New records of Puccinia Species on Poaceae from Pakistan Mycotaxon 118: 241-250 (0.752)


RESEARCH COLLABORATION

• Indigenous
  o Prof. Dr. Muhammad Saleem has research collaboration with Dr. Habib Ullah at LUMS and Dr. Shaukat at PCSIR, Lahore.

• Foreign Linkages
  o Prof. Dr. Muhammad Saleem has foreign linkages with Imperial College. UK and Brunel University, USA
  o Prof. Dr. Muhammad Saleem has foreign linkage with Director of the Institute of Evolution University of Haifa.
  o Dr. Abdul Nasir Khalid has foreign linkages with Dr. E.C. Vellinga Bruns Lab Plant and Microbial Biology University of California, Berkeley, USA.
  o Dr. Abdul Nasir Khalid has foreign linkages with Prof. Dr. Hanns Kreisel Zur Schwedenschanze 4, 17498 Potthagen, Germany.
  o Dr. Abdul Nasir Khalid has foreign linkages Prof. Dr. G. Moreno Dpto. Biología Vegetal (Botánica) Univ. Alcalá de Henares 28871 Madrid. Spain.

• Funding Grants for R&D
  o University of the Punjab has approved a budget more than 13 Million for promoting R & D activities and 8 faculty members were awarded funding from this budget for carrying out their research.
DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Research & Development – An Overview**
  Department of Microbiology and Molecular Genetics has state of the art facility for research in microbiology, genetics, and biotechnology. The more specific research areas in which most of the faculty members and their BS, MSc, MS/MPhil and PhD student are working include: human genetics, bacterial biofilm formation and its control, metal detoxification and water treatment, agricultural microbiology, biofertilizers, biopesticides, microbial ecology, industrial microbiology, drugs and antibiotics discovery, bioplastics, immunology, virology, cancer genetics and medical microbiology etc. The Research projects completed and the research papers published by the faculty members in peer reviewed national and international journals speaks about the strength of research potential of the department.

- **Projects (i) Completed**
  - Determination of antibacterial activity of Aloe vera against biofilm forming bacteria (2010-2011). Punjab University, Lahore of worth Rs 200,000, Principal Investigator, Prof Dr Anjum Nasim Sabri.
  - Immobilization of Hydrogen sulfide producing strains for detoxification of methylmercury pollutants (2010-2011). University of the Punjab, Lahore, of worth Rs. 200,000 PI, Dr. Zakia Latif.
  - Isolation and characterization of synthetic pyrethroid degrading bacteria (2010-11). University of the Punjab, Lahore, of worth Rs. 200,000/- PI: Dr Sikander Sultan.
  - Development of stress tolerant rice plants using tissue culture techniques (2010-2011). University of the Punjab, Lahore, worth Rs. 150,000, PI: Ms Tahira Malik
  - Bacterial transformation of toxic Selenite (IV) to elemental Selenium (0) in wastewater/contaminated soil (2011). Higher Education Commission, Lahore worth 4.3 million. PI: Dr. Muhammad Faisal.
  - Study of Desiccation Tolerant Bacteria From Cholistan Desert Pakistan (2010-2011). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Muhammad Faisal.
  - Molecular characterization of bioplastic producing Pseudomonas. Punjab University Research Project (2010-2011), of worth Rs. 150,000, PI: Dr. Nazia Jamil.
  - Industrial and Domestic wastewater as a resource of Bacteria producing Bioplastic, funded by International Foundation for Science (IFS), Sweden, (2009-2011), PI: Dr. Nazia Jamil
  - Isolation and characterization of xylan degrading yeasts from local environment (2010-11). Punjab University, Lahore, of worth Rs. 125,000, PI: Dr. Abdul Rehman.
  - Auxin production by rhizobacteria: ACC-deaminase activity and phytostimulation of mungbeans (2010-11). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Basharat Ali.
Screening of desert actinomycetes for antimicrobial activity against methicillin resistant Staphylococcus aureus (MRSA). Punjab University Research Grant 2010-2011, of worth Rs. 150000, PI: Dr. Imran Sajid.

Microbial columns: as source of chromium (VI) removal (2010-2011). University of the Punjab, Lahore, of worth Rs. 1, 25,000, PI: Dr. Rida Batool.

Association of anti-telomeric DNA with SLE (2010-2011). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Dr Nageen Hussain

Study of septicemia causing lactose fermenting bacteria (2010 -2011). University of the Punjab, Lahore, of worth Rs.125000, PI: Dr. Saba Riaz

Isolation of microorganisms from currency notes and coins in circulation and antimicrobial sensitivity patterns of medically important microbes, 2010-2011. University of the Punjab, Lahore, of worth Rs.125000, PI: Dr. Saira Malik.

(ii) Newy Launched

Screening for the antibacterial effect of ginger and turmeric on cell wall constituents and polypeptide profiling of bacterial strains. Punjab University, Lahore of worth Rs. 200,000, Principal Investigator, Dr Anjum Nasim Sabri.

Screening for the effect of ginger extracts on embryo development and angiogenesis in chicken eggs (2011-2012). Submitted Punjab University. Principle Investigator, Dr Anjum Nasim Sabri.

Isolation and characterization of mercury resistant nitrogen fixing bacteria and determination of their ability to detoxify mercury (2011-12). University of the Punjab, Lahore, of worth Rs. 200,000 PI: Dr. Zakia Latif.

Isolation and characterization of biosurfactant producing bacteria from oil-contaminated soil samples (2011-12). University of the Punjab, Lahore, of worth Rs. 200,000, Principle Investigator, Dr Sikander Sultan.

Functional and Molecular Diversity of Pinus roxburghii Rhizospheric Bacterial Communities (2011-12). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Muhammad Faisal.

Screening and Optimization of Bioplastic by Bacteria using Wastewater. Punjab University Research Project (2011-2012)-PI: Dr. Nazia Jamil

Generation of stress tolerant rice plants using tissue culture techniques (2011-2012). University of the Punjab, Lahore, worth Rs. 150,000, PI: Ms Tahira Malik.

Isolation and characterization of thermostable alkaline protease producing bacteria from local environment (2011-12). Punjab University, Lahore, of worth Rs. 150,000, PI: Dr. Abdul Rehman.

The insecticidal activity of streptomyces species isolated from the saline soils of Kalar Kahar, Punjab, Pakistan. Punjab University Research Grant 2011-2012, of worth Rs. 150000, PI: Dr. Imran Sajid.
Evaluation of plant growth promoting rhizobacteria as non-rhizobial inoculants for leguminous plant (2011-12). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Basharat Ali.

Seroprevalence of Dengue IgG and IgM antibodies in patients suspected of having Dengue fever (2011-2012). University of the Punjab, Lahore, of worth Rs. 125,000, Principle Investigator, Dr Nageen Hussain.

Analysis of polyketide synthase genes from actinomycetes and their structural comparison, (2011-12). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Dr. Mehboob Ahmed.

Preparation of multi-diagnostic immune-chromatographic device to diagnose common viral infections (2011-2012). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Dr. Zaigham Abass.

Comparison of dengue virus NS1 gene sequences from patients suffering with dengue fever (DF) and Dengue hemorrhagic fever (DHF) (2011-2012). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Dr Shafiq ur Rehman

Hexavalent chromium reduction by bacterial strains isolated from tannery waste (2011-12). University of the Punjab, Lahore, of worth Rs. 1, 25,000, PI: Dr. Rida Batool

Role of MSX1 mutations in Pierre Robin sequence and non-syndromic cleft lip and/or cleft palate in Pakistani population, (2011-2012). University of the Punjab, Lahore, of worth Rs.125000, PI: Dr. Saira Malik.

Antibiotic susceptibility profile among E.coli from clinical and environmental isolates (2011-12). University of the Punjab, Lahore, of worth Rs.125000, PI: Dr. Saba Riaz.

Effect of antibiotic resistance of isolates of Staphylococcus aureus to induce reactive metabolites in human polymorphonuclear leukocytes (2011-2012). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Mr. Numan Javed.

**Publications**

**Research Articles**


• Book / Book Chapters
  o Sabri, A.N., Sabri, S., Sultan, S. 2012. Metallurgical microscopy of Bacterial biofilm representing Cr+6 conversion into Cr+3 by Acinetobacter calcoaceticus, Staphylococcus aureus and Oscillatoria strain. IN: Current microscopy contributions to advances in science and technology (the “publication”) Published by FORMATEX RESEARCH CENTER - C/ Zurbaran 1, 2nd Floor, Office 1, 06002 Badajoz, Spain, PP 749-755.
  o Abdul Rauf Shakoori and Abdul Rehman” Protozoan Fauna of Industrial Wastes and their Role in Bioremediation” Published by VDM Verlag Dr. Muller GmbH & Co.KG, Dudweiler Landstr. 99, 66123 Saarbrucken, Germany.

• Conferences, Seminars and Workshops etc.
  o Dr. Anjum Nasim Sabri organized one day workshop on “Immunoflorescent techniques”. Organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, October 20, 2011.
  o Dr. Anjum Nasim Sabri attended Seminar on “Conversion of Low Density Lipoprotein to the Small, Dense Pro-Atherogenic Form by Glycation with Methylglyoxal-Super-sticky ‘ultra-bad’ cholesterol” by Naila Rabbani. Warwick Medical School, Clinical Sciences Research Institute, University of Warwick, University Hospital, Coventry CV2 2DX, U.K. Organized by Department of Microbiology and Molecular Genetics, Punjab University, Lahore. 04 Nov, 2011.
  o Dr. Anjum Nasim Sabri attended a Seminar entitled “Biotechnological aspects of cyanobacteria” by Prof. Dr Shahida Hasnain. Organized by Hazara University, KPK, April 05, 2012.
  o Dr. Anjum Nasim Sabri attended a seminar on Balochistan-problems and solutions. Arranged by Academic Staff association, held in the Al-Raazi Hall, Punjab University Centre for Undergraduate Studies, April 17, 2012.
  o Dr. Anjum Nasim Sabri attended one day seminar on Zinc and Skin by DR NAJJIA ASHRAF. Organized by MMG Department, University of the Punjab Lahore in collaboration with Abbott Pharmaceuticals, May 05, 2012.
Dr. Anjum Nasim Sabri attended a Seminar entitled “Thalassemia” organized by Sundus Foundation, Governor House Lahore, May 17, 2012.

Dr. Anjum Nasim Sabri attended one day workshop on CMS training for faculty, Organized by MMG Department, University of the Punjab Lahore. 07 June, 2012.

Dr. Anjum Nasim Sabri attended and participated in one day workshop entitled “Invention to Innovation Summit-2012” in the University of the Punjab, Lahore, organized by IRP, ORIC and PSF, on 18 June, 2012.

Dr. Anjum Nasim Sabri attended One day Seminar on Dengue, Organized by MMG Department, University of the Punjab Lahore, September 02, 2012.

Dr. Anjum Nasim Sabri attended one day Seminar on “HAMLET (human α-lactalbumin made lethal to tumor cells) as a new therapeutic agent for treatment of colon cancer: A detailed molecular study” in the lecture hall of the Department on Tuesday September 03, 2012. Organized by Department of Microbiology & Molecular Genetics (MMG) in collaboration with National Academy of Young Scientists (NAYS).

Dr. Anjum Nasim Sabri attended one day Seminar on Recent Trends in Diagnosis of Tuberculosis. Organized by MMG Department, University of the Punjab Lahore, September 04, 2012.

Dr. Anjum Nasim Sabri attended one day seminar on “ScepterTM cell counting”. Organized by MMG Department, University of the Punjab Lahore in collaboration with Merk (PVT) Ltd. September 20, 2012.

Dr. Anjum Nasim Sabri attended and participated inTurnitin Academy Live:Getting Students Started with Turnitin. a one-hour online class on September 4, 2012.


Dr. Zakia Latif attended one week training course “Office Management for Officers” held at Punjab Institute of Management and Professional Development, Government of the Punjab.

Dr. Sikander Sultan attended: One week training course on Office Management for Officers organized by Management and Professional Development Department, Government of the
Dr. Sikander Sultan attended one day seminar on “Zinc and Skin” by Dr. Najjia Ashraf. Organized by MMG department, University of the Punjab, Lahore in collaboration with Abbott Pharmaceuticals. May 05, 2012.

Dr. Sikander Sultan attended one day work shop on CMS Training for Faculty. Organized by MMG Department, University of the Punjab, Lahore. June 07, 2012.

Dr. Sikander Sultan attended one day Seminar on Dengue. Organized by MMG Department, University of the Punjab, Lahore, September 02, 2012.

Dr. Sikander Sultan attended one day Seminar on “HAMLET (human α-lactalbumin made lethal to tumor cells) as a new therapeutic agent for treatment of colon cancer: A detailed molecular study” in the lecture hall of the Department on September 03, 2012. Organized by Department of Microbiology & Molecular Genetics (MMG) in collaboration with National Academy of Young Scientists (NAYS).

Dr. Sikander Sultan attended one day Seminar on Recent Trends in Diagnosis of Tuberculosis. Organized by MMG Department, University of the Punjab Lahore. September 04, 2012.

Dr. Sikander Sultan attended one day seminar “ScepterTM cell counting”. Organized by MMG Department, University of the Punjab Lahore in collaboration with Merk (PVT) Ltd..Sept 20, 2012.

Dr. Muhammad Faisal, attended and participated in one day workshop entitled “Invention to Innovation Summit-2012” in the University of the Punjab, Lahore, organized by IRP, ORIC and PSF, on 18 June, 2012.

Ms. Tahira Malik, attended one day symposium on Dengue fever organized by microbiology and molecular genetics,PU,Lahore, 25th September, 2011.

Ms. Tahira Malik, attended Seminar on “Zinc and skin” May 5, 2012.

Ms. Tahira Malik, attended Seminar on “Conversion of Low density Lipoprotein to the small, proatherogenic form by glycation with methylglyoxal-supersticky ultra-bad cholesterol” organized by MMG, PU, Lahore, November 04, 2011.

Dr. Nazia Jamil, attended Seminar on “Conversion of Low Density Lipoprotein to the Small, Dense Pro-Atherogenic Form by Glycation with Methylglyoxal-Super-sticky ‘ultra-bad’ cholesterol” by Naila Rabbani. Warwick Medical School, Clinical Sciences Research Institute, University of Warwick, University Hospital, Coventry CV2 2DX, U.K. Organized by Department of Microbiology and Molecular Genetics, Punjab University, Lahore. 04 Nov, 2011.

Dr. Nazia Jamil, attended Seminar on Balochistan-problems and solutions. Arranged by Academic Staff association. ” held in the Al-Raazi Hall, Punjab University Centre for Undergraduate Studies. April 17, 2012.
o Dr. Nazia Jamil, attended one day seminar on Zinc and Skin by DR NAJJIA ASHRAF. Organized by MMG department, University of the Punjab Lahore in collaboration with Abbott pharmaceuticals. May 05, 2012.

o Dr. Nazia Jamil, attended one day work shop on CMS training for faculty, Organized by MMG department, University of the Punjab Lahore. 07 June, 2012.

o Dr. Nazia Jamil, attended One day Seminar on Dengue, Organized by MMG department, University of the Punjab Lahore September 02, 2012.

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o Dr. Nazia Jamil, attended one day seminar “ScepterTM cell counting. Organized by MMG department, University of the Punjab Lahore in collaboration with Merk (PVT) Ltd. Sept 20, 2012.

o Dr. Nazia Jamil, “Acted as Convener” in One day workshop on “Immunofluorescent Techniques” venue & organized by Department of Microbiology and Molecular Genetics University of the Punjab Lahore-Pakistan, October 20, 2011.

o Dr. Nazia Jamil, attended one day national Symposium on Frontiers in Nanotechnology organized by NUST Science Society and NAYS

o Dr Abdul Rehman, presented talk entitled” Decolourization of azo dye Synozol Red HF6-BN by fungi ” in National Biotechnology Exhibition and Seminar 2010 held in Department of Zoology, GC University, Lahore on March 6-8, 2012.

o Dr. Basharat Ali, attended international workshop on “Modern techniques in structural biology” held at ICCBS, University of Karachi, from 1-4 October, 2011.

o Dr. Basharat Ali, Presented research work (Oral) titled “Rhizobacterial potential to alter auxin content and growth of Vigna radiata (L.)” IFS-AFASSA International Symposium on Natural Products and their Applications in Health and Agriculture Kandy, Sri Lanka, October 3-8, 2011.

o Dr. Basharat Ali, Presented research work (Oral) titled “Auxin production and ACC-deaminase activity of Pseudomonas and their phytostimulatory effect on Vigna mungo (L.)” in 32nd Pakistan Congress of Zoology (International) held at GC University, Lahore, March 6-8, 2012.

o Dr. Basharat Ali, attended international workshop on “Bioinformatics: Database Mining and High Throughput Genomic Analyses” held at COMSTECH, Islamabad, from March 19-21, 2012.

o Dr. Basharat Ali, Participated in “DAAD International Summer” School held at Quaid-i-Azam University, Islamabad, from 26-30th March, 2012.
o Dr. Imran Sajid, attended International Workshop on “Modern Techniques in Structural Biology” 1-2 Oct, 2011, organized by ICCB-HEJ research institute-Karachi University in collaboration with COMSTECH Islamabad, Pakistan

o Dr. Imran Sajid, gave Oral presentation in IFS – AFASSA International Symposium on Natural Products and their Applications in Health and Agriculture, October 3-8, 2011, Kandy, Sri Lanka.

o Dr. Imran Sajid, organized: In-Service Faculty Training Program at University of the Punjab in collaboration with Learning Innovation Division (LID), HEC 18-22 Oct, 2011.

o Dr. Imran Sajid, Participated in: International Workshop on Bioinformatics: Database Mining and High Throughput Genomic Analysis, organized by OIC-COMSTECH in collaboration with Sindh Institute of Urology and Transplant (SIUT), Civil Hospital Karachi, held from 19-21 March, 2012 at COMSTECH secretariat Islamabad, Pakistan.

o Dr. Imran Sajid, Participated in: International Workshop on Industrial Biotechnology, organized by OIC-COMSTECH in collaboration with Institute of Industrial Biotechnology, GC University Lahore, held from 10-12 July, 2012 at COMSTECH secretariat Islamabad, Pakistan.

o Dr. Rida Batool, attended Seminar on “Conversion of Low Density Lipoprotein to the Small, Dense Pro-Atherogenic Form by Glycation with Methylglyoxal-Super-sticky 'ultra-bad' cholesterol" by Naila Rabbani. Warwick Medical School, Clinical Sciences Research Institute, University of Warwick, University Hospital, Coventry CV2 2DX, U.K. Organized by Department of Microbiology and Molecular Genetics, Punjab University, Lahore. 04 Nov, 2011.

o Dr. Rida Batool, attended Seminar on Balochistan-problems and solutions. Arranged by Academic Staff association. " held in the Al-Raazi Hall, Punjab University Centre for Undergraduate Studies. April 17, 2012.

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o Dr. Rida Batool, attended one day work shop on CMS training for faculty, organized by MMG department, University of the Punjab Lahore. 07 June, 2012.

o Dr. Rida Batool, attended one day Seminar on Dengue, Organized by MMG department, University of the Punjab Lahore September 02, 2012.

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o Dr. Rida Batool, attended one day Seminar on Recent Trends in Diagnosis of Tuberculosis. Organized by MMG department, University of the Punjab Lahore. September 04, 2012.
Dr. Rida Batool, attended one day seminar “ScepterTM cell counting. Organized by MMG department, University of the Punjab Lahore in collaboration with Merk (PVT) Ltd. Sept 20, 2012.

Dr. Rida Batool, “Acted as Convener” in One day workshop on “Immunofluorescent Techniques” venue & organized by Department of Microbiology and Molecular Genetics University of the Punjab Lahore-Pakistan, October 20, 2011.

Dr. Rida Batool, Attended one day national Symposium on Frontiers in Nanotechnology organized by NUST Science Society and NAYS

Dr. Nageen Hussain, gave oral presentation on “Distribution of HLA alleles in SLE patients with ACE I/D polymorphism”. in an International Conference on Environmental, Biological, social sciences and Engineering, Lucerne, Switzerland, 15-16 October, 2012.

Dr. Saba Riaz, attended symposium: Tuberculosis-Epidemiology, Diagnostics and therapeutics. Institute of Biochemistry and Biotechnology, 3 November 2011.

Dr. Saba Riaz, Organized. One day seminar on Recent Trends in Diagnosis of Tuberculosis, 04 September, 2012.


Dr. Zaigham Abass, Organized 1st Youth Innovative Workshop at University of the Punjab in collaboration with National Academy of Young Scientists and Pakistan Science Foundation. (11-12 August, 2012).

Dr. Zaigham Abass, attended Faculty Orientation program at University of the Punjab. (3-6 July, 2012).

Dr. Zaigham Abass, organized training workshop on Basic Bioinformatics Skills at Government College University, Faisalabad. (11 May, 2012).


Dr. Zaigham Abass, organized One day Workshop on Young Researchers skill development and NAYS Emerging Ideas Conference at University of the Punjab. (07 January, 2012).

Dr Mehboob Ahmed Presented in 6th Asian Pacific Phycological Forum (APPF 2011), Yeosu, Korea, 9-14, October 2011

Dr Mehboob Ahmed Attended Five days In Service Faculty Training Program by Department of Microbiology & Molecular Genetics (MMG), University of the Punjab, Lahore and Learning Innovation Division (LID), Higher Education Commission (HEC) Pakistan, 18 – 22 October, 2011

Dr Mehboob Ahmed Acted as Judge in exhibition of research project poster presentation, in Provincial Science Olympiad, organized by the Ministry of Education and Science Education (Punjab) in collaboration with Intel-corporation Pvt. Ltd., December, 2011
Dr Mehboob Ahmed Attended Computational Biology and Bioinformatics Workshop (C2BW), organized by the Department of Biology, School of Science and Engineering, LUMS, Lahore, 09 – 13 January, 2012

Dr Mehboob Ahmed Attended a seminar on Balochistan-problems and solutions. Arranged by Academic Staff association. " held in the Al-Raazi Hall, Punjab University Centre for Undergraduate Studies. April 17, 2012.

Dr Mehboob Ahmed Attended one day seminar on Zinc and Skin by DR NAJJIA ASHRAF. Organized by MMG department, University of the Punjab Lahore in collaboration with Abbott pharmaceuticals. May 05, 2012.


Dr Mehboob Ahmed, presented in SAARC Regional Conference on “New Frontiers in Agricultural Genomics and Biotechnology”, hosted by NIGAB at Marriott Hotel Islamabad, 05-07 June, 2012

Dr Mehboob Ahmed, attended and participated in one day workshop entitled “Invention to Innovation Summit-2012” in the University of the Punjab, Lahore, organized by IRP, ORIC and PSF, on 18 June, 2012.

Dr Mehboob Ahmed, attended one day work shop on CMS training for faculty, Organized by MMG department, University of the Punjab Lahore. 07 June, 2012.

Dr Mehboob Ahmed, presented in Conference on “Agriculture and Food Security Issues in Global Environmental Perspectives”, by Faculty of Agriculture Rawalakot, The University of Poonch, Rawalakot, 11-13 July, 2012

Dr Mehboob Ahmed, attended One day Seminar on Dengue, Organized by MMG department, University of the Punjab Lahore September 02, 2012.

Dr Mehboob Ahmed, attended one day Seminar on “HAMLET (human α-lactalbumin made lethal to tumor cells) as a new therapeutic agent for treatment of colon cancer: A detailed molecular study” Organized by Department of Microbiology & Molecular Genetics (MMG) in collaboration with National Academy of Young Scientists (NAYS). September 03, 2012.

Dr Mehboob Ahmed, attended one day Seminar on Recent Trends in Diagnosis of Tuberculosis. Organized by MMG department, University of the Punjab Lahore. September 04, 2012.

Dr Mehboob Ahmed, attended one day seminar “ScepterTM cell counting. Organized by MMG department, University of the Punjab Lahore in collaboration with Merk (PVT) Ltd..Sept 20, 2012.

Dr Mehboob Ahmed Presented in Workshop on “Algal Collection & Recent Taxonomy Of Chlorophycota”, by Department of Botany, GC University Lahore, 25-26 September, 2012

Mr. Numan Javed, gave poster presentation at the 2012 meeting on “Bacteria, Archaea & Phages” 21st -25th August, 2012 in Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, USA.
o Mr. Numan Javed, Organized: In-Service Faculty Training Program at University of the Punjab in collaboration with Learning Innovation Division (LID), HEC 18-22 Oct, 2011.

o Mr. Yasir Rehman, Participated in “1st National Training Course on Bacterial Identification and Metagenomics” NIBGE, Faisalabad, Pakistan (5th-9th March, 2012).

o Mr. Yasir Rehman, Participated in “Invention to Innovation Summit 2012” University of the Punjab, Lahore Pakistan (18th June, 2012).


RESEARCH COLLABORATION

- Indigenous

  o Ms. Maleeka Zaheer (04-04-2012 to 10-06-2012) of the Institute of Biotechnology and Bioinformatics, UVAS, Lahore worked on biofilms, under the supervision of Prof. Dr. Anjum Nasim Sabri.

  o Ms. Ayesha Dildar, MPhil student King Edward Medical College (MPhil in progress), under the supervision of Prof. Dr. Anjum Nasim Sabri.

  o Ms. Riffat Yousuf of the Institute of Biotechnology and Bioinformatics, University of Veterinary and Animal Sciences completed internship from April to June, 2012, under the supervision of Dr. Muhammad Faisal.

  o Mr Adeel, BS student, CEES, PU, completed his research under the Co- supervision of Dr. Nazia Jamil.

  o Ms. Fatima Muslim and Ms. Sunila Yousaf of the College of Home Economics, Gulberg, Lahore, completed their MSc research, from March to September, 2012 under the supervision of Dr. Imran Sajid.

  o Ms. Attia and Ms. Rabila of the, faculty of Biotechnology and Informatics, Balochistan University of Information Technology, Engeineering and Management Sciences (BUITEMS), Quetta, completed a part of their MS research, from June to August, 2012, under the supervision of Dr. Imran Sajid.

  o Mr. Asmat Ullah of the Department of Microbiology, University of Balochistan, Quetta, completed one month internship under the supervision of Dr. Imran Sajid.

  o Ms. Aqsa Abbas of the Department of Biochemistry and Biotechnology, Islamia University of Bahawalpur (IUB) completed internship from 5th June to 18th July-2012 under the supervision of Dr. Imran Sajid.

  o Mr. Usman Aftab, PhD scholar under the supervision of Dr. Imran Sajid of our department did collaborative experiments related to the antitumor assays against different human cell lines, in Veterinary Research Institute (VRI) Lahore.
Ms Taiba Afreen and Ms Qurat-ul-Ain of the Institute of Biotechnology and Bioinformatics, University of Veterinary and Animal Sciences completed internship, from April to June, under the supervision of Dr. Mehboob Ahmed.

- **Foreign Linkages**
  - Ting Yen Peng (Associate Professor), Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore.
  - Prof. Dr. Juliana A. Ramsay, Chemical Engineering, Queen’s University, Canada
  - Dr. Colin Jackson, Department of Biology, The University of Mississippi, USA
  - Prof. Dr. Jurgen Rohr, Director: Drugs Discovery Division, Department of Pharmaceutical Sciences, College of Pharmacy, University of Kentucky, USA.
  - Prof Dr. Robert Capon, Director: Structural Biolog Division, Institute for Molecular Biosciens, University of Queensland, Australia
  - University of Helsinki, Finland
  - Dr. Luisa Martinez-Pomares, School of Molecular Medical Sciences. University of the Nottingham. UK.
  - Dr. Jonathan K Ball, Professor, University of Nottingham, UK
  - Dr. Arvind Patel, Honorary lecture, Medical Research Council, University of Glasgow, UK
  - Dr. Jean Dubuisson, Center for Infection & Immunity of Lille (CIIL), Inserm U1019, CNRS UMR8204, Univ Lille Nord de France
  - Dr. Mansun Law, CSripps Research institute, Department of Immunology and Microbial Science, California Campus, US
  - Dr. Mats A A Persson, Molecules of Man AB, Mossvägen 12, Sweden
  - Steven Foung, Professor, Stanford University Blood Center, Hillview Avenue, Palo Alto, CA

**DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION**

- **Conferences, Seminars and Workshops etc.**
  - Two Day workshop on Small Area Games organized by Dept. of Sports Sciences.

**DEPARTMENT OF ZOOLOGY**

- **Research & Development – 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.

- Fish Research Farm comprises an area of 5 acres, including nursery ponds, research ponds and production ponds. 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-e-Azam Campus, Lahore. Students from other universities also use the facilities of Fish Research Farm for their studies. In addition to teaching and research some fish is also available for sale to the faculty and staff members of the Punjab University. Approximately 2500-3000kg fish is annually sold to the employees of Punjab University. In near future the Fish Research Farm will be upgraded as Institute of Aquaculture, where teaching and research will be carried out at undergraduate and postgraduate level for the development of fisheries and aquaculture sector.

- In view of economic importance of honeybee farming, University of the Punjab has embarked upon research and development activities on honeybee from 2004 onwards. The European bee Apis mellifera farm comprising 200 hives has been established at the campus. Research work is being carried out for improvement in management techniques, quality queen breeding and control of pests and diseases to increase honey yield of colonies. Further infra-structure is being developed for teaching and research facilities. Beekeeping training programmes and workshops for honeybee management have been organized at the campus for dissemination of technical knowledge among students, farmers, extension workers, officers of allied department and hobbyists. Special emphasis is being given on generating awareness about the crucial factor of bee pollination required for increased productivity of oilseed, vegetable seed, fodder seed crops and fruits in Pakistan.

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

**Projects (i) Completed (during 2011)**

<table>
<thead>
<tr>
<th>Name of Researcher/ Sponsoring Agency</th>
<th>Title of Research Project with duration</th>
<th>Financial Support (million Rupees)</th>
<th>Main Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Tanveer Akhtar/ University of the Punjab</td>
<td>Genetic studies of Leukemia in Pakistan population.</td>
<td>0.25</td>
<td>To identify gene variation in Leukemia.</td>
</tr>
<tr>
<td>Prof. Dr. Syed Shahid Ali/ University of the Punjab</td>
<td>Screening, identification and characterization of celulolytic bacteria from the local bacterial isolates.</td>
<td>0.25</td>
<td>To search for the local bacterial isolates and enzymes, which can be used to upgrade the cellulosic waste to high quality products.</td>
</tr>
<tr>
<td>Name of Researcher/ Sponsoring Agency</td>
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<td>--------------------------------------</td>
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<tr>
<td>Prof. Dr. Javed Iqbal Qazi/ University of the Punjab</td>
<td>Cultivation of H₂-yielding bacteria in food wastes</td>
<td>0.25</td>
<td>To provide biohydrogen, a clean, environmentally compatible and future fuel, from food wastes in economically feasible way.</td>
</tr>
<tr>
<td>Dr. Zafar Iqbal / University of the Punjab</td>
<td>Fungal infections in some freshwater fishes.</td>
<td>0.2</td>
<td>To investigate fungal infections in some ornamental fishes.</td>
</tr>
<tr>
<td>Dr. Nabila Roohi / University of the Punjab</td>
<td>Identification and prognostic significance of protein biomarkers associated with breast cancer in women</td>
<td>0.15</td>
<td>To identify biomarkers of breast cancer.</td>
</tr>
<tr>
<td>Dr. Abida Butt/ University of the Punjab</td>
<td>Effect of size and density of prey on the web structure of Neoscona theisi (Araneae : Arancidae)</td>
<td>0.15</td>
<td>To check plasticity in the web structure of N. theisi.</td>
</tr>
<tr>
<td>Dr. Azmat Jadoon / University of the Punjab</td>
<td>Effect of Neem (Azadirachta indica) to DMBA induced mammary gland tumor in female rats.</td>
<td>0.15</td>
<td>To see the protective effect of Azadirachta indica (Neem) on mammary gland tumor and determine Therapeutic effect of Azadirachta indica (Neem) on mammary gland tumor.</td>
</tr>
<tr>
<td>Dr. Najma Shaheen / University of the Punjab</td>
<td>Molecular characterization of bacterial isolates form contract lens solution and antimicrobial efficacy of commercial lens solution.</td>
<td>0.15</td>
<td>Isolation of pathogenic base from lens solution.</td>
</tr>
<tr>
<td>Dr. Nadeem Sheikh / University of the Punjab</td>
<td>Diet induced obesity and inflammation studies in rats. Impact on liver functionality.</td>
<td>0.15</td>
<td>Liver function under high fat diet.</td>
</tr>
<tr>
<td>Dr. Ayesha Aiheetasham/ University of the Punjab</td>
<td>Effect of plant extracts of Aloc barbadensis, Allium sativum, Ficus racemosa and Ficus Bengalensis on Heterotermes indicola (Wasmann)</td>
<td>0.15</td>
<td>To study the toxicity of different plant extracts to compare which</td>
</tr>
</tbody>
</table>
### Research and Development

#### (i) Mission Orientation

<table>
<thead>
<tr>
<th>Name of Researcher/ Sponsoring Agency</th>
<th>Title of Research Project with duration</th>
<th>Financial Support (million Rupees)</th>
<th>Main Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>one is more targeted and to study the percentage consumption of H. indicola (Wasmann) on extracts from 5 plant species.</td>
</tr>
</tbody>
</table>

#### (ii) Newly Launched (during 2012)

<table>
<thead>
<tr>
<th>Name of Researcher/ Sponsoring Agency</th>
<th>Title of Research Project with duration</th>
<th>Financial Support (million Rupees)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Javed Iqbal Qazi/ University of the Punjab</td>
<td>Cultivation of H2-yielding bacteria in food wastes, sponsored by University of the Punjab, Lahore (2011-2012).</td>
<td>0.25</td>
</tr>
<tr>
<td>Dr. Zafar Iqbal / University of the Punjab</td>
<td>Parasitic Fauna of Important Tropical Ornamental Fishes</td>
<td>0.2</td>
</tr>
<tr>
<td>Dr. Nabila Roohi / University of the Punjab</td>
<td>Identification and prognostic significance of protein biomarkers associated with breast cancer in women</td>
<td>0.2</td>
</tr>
<tr>
<td>Dr. Najma Shaheen / University of the Punjab</td>
<td>Toxicological assessment of essential oils of selected aromatic plants belonging to family Ruteaceae 2012-2013</td>
<td>0.15</td>
</tr>
<tr>
<td>Dr. Farah Rauf Shakoori/ University of the Punjab</td>
<td>&quot;Isolation, Identification and Molecular Characterization of Ciliates&quot;. 2011-2012</td>
<td>0.2</td>
</tr>
<tr>
<td>Dr. Abida Butt/ University of the Punjab</td>
<td>1. Effects of agricultural practices and refugia on pest control potential of spider residing rice fields of Punjab, Pakistan. Three years (Aug.</td>
<td>0.2</td>
</tr>
</tbody>
</table>
### Name of Researcher/ Sponsoring Agency | Title of Research Project with duration | Financial Support (million Rupees)
---|---|---
Dr. Nadeem Sheikh | 1. Toxic effects of acute intra-peritoneal administration of iron and copper in Wistar Rat.  
2. Exchange by promoting quality education research and training in South and South East Asia)* Georg-August University, Goettingen, Germany. (2011-15).  
3. Exchange by promoting quality education research and training in South and South East Asia)* Georg-August University, Goettingen, Germany. (2012-16) | 0.15
Dr. Ayesha Ahtesham/ University of the Punjab | Impact of plant extracts of Datura alba, Lantana camara, Eucalyptus globules, Carica papaya, Piper nigrum and Trachyspermum copticum on Heterotermes indicola (Wasmann) | 0.15

### Publications

**Prof. Dr. Muhammad Akhtar**


**Prof. Dr. Tanveer Akhtar**

  http://journals.tubitak.gov.tr/zoology

Research and Development


Annual Meeting Abstracts) 2012 120: Abstract 5115 (Impact Factor= 9.9) ISSN 1528-0020, http://abstracts.hematologylibrary.org/cgi/content/abstract/120/21/5115


**Prof. Dr. Syed Shahid Ali**


**Prof. Dr. Javed Iqbal Qazi**


Books:


Saleem, F. and Qazi, J.I.2012. Acid Resistance coli forms in food. Lambert Academic publishing GmbH & Co. KG.

Authorship of Books/Chapters:

Chaudhary N. and Qazi, J.I.2011. Microbial consortium for ethanol production from sugarcane bagasse. Lambert Academic Publishing GmbH & Co. KG.


Prof. Dr. M. Naeem Khan


Dr. Asmatullah:


Dr. M. Shafiq Ahmed:


Dr. Zafar Iqbal:


KHALID PERVAIZ, ZAFAR I QBAL, MUHAMMAD RAMZAN, MUHAMMAD NAEEM JAVED AND MUHAMMAD NAEEM (2012). “Meristic and Morphometric Studies on Indus Mahseer Tor Macrolepts (Teleostei: Cyprinidae) from District Attock, Pakistan, International Journal of Agriculture and Biology, 14: 169-175

Dr. Nabila Roohi:


Dr. Abida Butt:


Dr. Farah Shakoori:


**Dr. Najma Shaheen:**


**Dr. Zulifqar Ali:**


**Dr. Ayesha Ahtesham:**


Dr. Akbar Khan


Dr. Abdul Majid Khan:


Dr. Chaman Ara:


Publications

Bano, A.S., and Qazi, J.I., 2011. Soil buried Mild Steel Corrosion by Bacillus cereus-SNB4 and its Inhibition by Bacillus thuringiensis-SN8. Pakistan J. Zool. 43(3): 555-562. (IF 0.2)


Sattar, S., Farmanullah, Saljoqi, A., Arif, M., Sattar, H, and Qazi, J.I. 2011. Toxicity of some new insecticides against Trichogramma chilonis (Hymenoptera: Trichogrammatidae) under laboratory and extended laboratory conditions. Pakistan J. Zool. 43(6): 1117-1125. (IF 0.2)


Conferences, Seminars and Workshops etc.

Prof. Dr. Tanveer Akhtar:
- Joint Conference on emerging and re-emerging epidemics affecting GLOBAL HEALTH. Antimalarial Drug Resistance in vitro Studies against Plasmodium Falciparum in Punjab, Pakistan, Venice, Italy, October 21 - 26, 2012
- Joint Conference on emerging and re-emerging epidemics affecting GLOBAL HEALTH. Investigation of biochemical composition of hydatid cyst fluid from ruminants and humans in Pakistan. Venice, Italy, October 21 - 26, 2012
- 54 ASH Annual Meeting and Exposition Blood (ASH Annual Meeting Abstracts) 2012. Characterization of common fusion oncogenes as prognostic molecular identities in adult acute lymphoblastic leukemia identifies the need for genetic testing at presentation, molecular prognostication and differential treatment Atlanta, GA USA Dec 8-11, 2012

Prof. Dr. Javed Iqbal Qazi:
- Attended seminar on “Molecular Signaling for Fat and Bone Synthesis” by Prof. Dr. Amjad Javed, Institute of Oral Health Research School of Dentistry, University of Alabama at Birmingham USA on Thursday, March 29, 2012 at 11:30 AM in School of Biological Sciences University of the Punjab, Lahore.
- Participated in two days workshop on “Potential biotech industry for entrepreneurs in Pakistan” at NIBGE, Faisalabad on 18-19 April, 2012.
- Participated by presenting poster on bioenergy research in Invention to innovation Summit June 18, 2012 win “Innovation award” Conducted at Al-Razzi Hall, Centre for Undergraduate Studies, University of the Punjab, Lahore.
- Participated by presenting poster on “Altered physico-chemical parameters of river Ravi, segment subjected to urban pollutants” in 32nd Pakistan congress of Zoology (International) GC University, Lahore. (March 6th – 8th) Poster-18 pp 330.
- Participated by presenting poster on “Urban pollutants affect negatively the fatty acid profiles of rohu from river Ravi” in 32nd Pakistan congress of Zoology (International) GC University, Lahore. (March 6th – 8th) Poster-20 pp 331.
- Participated by presenting poster on “Photofermentative hydrogen production from starch manufacturing wastes” in 32nd Pakistan congress of Zoology (International) GC University, Lahore. (March 6th – 8th) Poster-23 pp 333.

Prof. Dr. Muhammad Naeem Khan:
- National seminar on “Management of open water Fisheries in Pakistan, issues and options”, Promotion of recreational fisheries in Pakistan, Department of Fisheries, Government of the Punjab, Chashma Lake, District Mianwali, April 28, 2012.
- 32nd Pakistan Congress of Zoology, (International congress), Zoological Society of Pakistan, Government College University Lahore, Chair, Session on Fisheries, March 6-8, 2012.
- Prof. Dr. Muhammad Shafiq Ahmad
- Use of Geospatial Technology for Habitat Evaluation of Western Tragopan (Tragopan melanocephalus) in selected areas of AJK, Pakistan (Abstract).
- Strategies for Conservation of Endangered Ecosystems.
- International Symposium held on 16-18 April, 2012 at Department of Botany, University of Agriculture Faisalabad, Pakistan.
- World Fisheries Day 2012, organized by University of Veterinary and Animal Sciences, at Pattoki Campus in Collaboration with HEC-BC INSPIRE and BC-SPEKE Project, Nov. 23, 2012

Dr. Zafar Iqbal:
- 8th National Honey Bee Training Workshop held at Zoology Department, P.U. Lahore, 12-16 March, 2012. (Organized and attended)

Dr. Abida Butt:
- One symposium on DNA Barcoding: A promising tool for species identification and biodiversity digitization. 30th January 2012, NIBGE, Faisalabad
- 32nd Pakistan congress of Zoology (International). G. C. Univ. Lahore
Workshop on “Species distribution modeling techniques”. University of agriculture, Faisalabad. 10-14 April 2012.

Dr. Farah Rauf Shakoori

32nd Pakistan Congress of Zoology (International) held under the auspices of the Zoological Society of Pakistan at, GC University, 2012, March, 6-8 2012 and Co-chaired Cell Biology, Molecular Biology, session.

Attended TWAS meetings in China (2012)

Dr. Nabila Roohi

32nd Pakistan Congress of Zoology (International) held under the auspices of the Zoological Society of Pakistan at, GC University, 2012, March, 6-8 2012

Dr. Najma Shaheen:

DNA BARCODING at NIBGI Faisalabad Jan. 2012

32nd congress of Zoology at GCU, Lahore 2012 (presented article on effects of selected essential oils on the contact lens associated isolates).

Dr. Nadeem Sheikh:

Naz N., Ahmad S., SHEIKH N., Mihm S., Ramadori G. and Malik I.A. Ferritin L is the sole serum ferritin constituent and a positive hepatic acute phase protein J Cell Sci Ther 3(8);99. 2nd Cell Science & Stem Cell Research November 12-14, 2012 Hilton San Antonio Airport, USA.


Abbas A.S. and SHEIKH N. and Tariq A. Impact of fatty diet on the serum protein profile of weaning Wistar rats Hepatology International. 2012 6(1); 279 [Impact factor 2.963]

SHEIKH N., Shafiq M. Acute Phase Response and water retention induced by Peppermint (Mentha piperita) oil. Hepatology International. 2012. 6(1); 69 [Impact factor 2.963]

SHEIKH N., Shafiq M. and Zia N. Intra luminal Eucalyptus oil administration induced Hyperbilirubinemia and and hepatocytic injury. Hepatology International. 2012, 6(1); 70 [Impact factor 2.963]

Abbas A. S. and SHEIKH N. Dietary NAFLD (Non-alcoholic fatty liver disease) induced thrombocytopenia and effects of Nigella sativa and Plantago ovata presented in the 32nd
Pakistan congress of zoology held under the auspices of zoological society of Pakistan at GCU, Lahore on March 06-08, 2012 (PP62).

- Abbasi M.H., Khawar M.B., Mustafa G., Fatima S., Idnan M. and SHEIKH N. Neutrophilia and transaminase activity during thioacetamide induced acute phase reaction in rats. presented in the 32nd Pakistan congress of zoology held under the auspices of zoological society of Pakistan at GCU, Lahore on March 06-08, 2012 (PP81).

- Abbasi M.H., Idnan M., Mustafa G., Khawar M.B., Fatima S., and SHEIKH N. Hematological and serological changes during Nerium oleander induced acute phase response presented in the 32nd Pakistan congress of zoology held under the auspices of zoological society of Pakistan at GCU, Lahore on March 06-08, 2012 (PP62).

- presented in the 32nd Pakistan congress of zoology held under the auspices of zoological society of Pakistan at GCU, Lahore on March 06-08, 2012 (PP62).

**Dr. Ayesha Ahetasham:**

- One week training course on office management for officers, held at Punjab Institute of Management and professional development arranged by Management and Professional Development Department, Govt. of the Punjab on 10-09-2012 to 14-09-2012

- Workshop on research ethics, endnote and turnitin held on 2-3 Oct, 2012 at Department of Library and Information Science, University of the Punjab, Lahore.

- Attended 32nd Pakistan Congress of Zoology (International), Government college University, Lahore on 6-8 March, 2012.

- Co-chairman during academic session of 32nd Pakistan congress of Zoology (International), Government College University, Lahore on 6-8 March, 2012.

**Dr. Abdul Majid Khan**

- 20-22 March, 2012. Attended the three days ‘Aquaponics Training Seminar’ at Zoology Department, PU, Lahore, under the collaboration of Fishgrien (Switzerland).

**Research Journals**

- The Department of Zoology has been publishing its own research journal since 1985, the “Punjab University Journal of Zoology” for the promotion of research and its publication in all its branches, both pure and applied. This journal is a continuation of old and irregular publication series by the department the “Bulletin, Department of Zoology” first published in 1931 and ceased its publication in 1983. The title of its first article was “Butterflies of Lahore by D. R. Puri” which is still available in the departmental library. Initially, this journal was published as one issue yearly but from 2005 onwards 2 issues are being published per year. Prof. Dr. S. Shahid Ali and Prof. Dr. Javed Iqbal Qazi are currently working as Editor and Co-Editor of the Journal, respectively. The journal has a wide circulation in and outside the country. The department is getting some very good journals and publications by developing its exchange with other countries.
RESEARCH COLLABORATION

- Indigenous
  - Indigenous Ph.D. scholarships awarded by HEC to Ph.D. students of HEC approved supervisors during the previous year are currently going on in this department.

- Foreign Linkages
  - Ph.D. Students of Prof. Dr. Javed Iqbal Qazi are visiting foreign Universities in Ph.D. split program awarded by HEC Govt. Pakistan at U.K. and USA for 6 months to 1 year period. In these visits they carry bacteria isolated in our Lab. and employ them in the advance labs. of the developed countries to delineate their biotechnological potential.

  Following Ph.D. Students visited the described foreign Universities
  - Dr. Farah Rauf Shakoori
    - Prof. Dr. Janet L. Stein, Department of Biochemistry, University of Vermont, Vermont. USA.
    - Prof. Dr. Gary Stein, Chairman, Department of Biochemistry, University of Vermont, Vermont, USA.
  - Dr. Nadeem Sheikh
    - Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.

INSTITUTE OF AGRICULTURAL SCIENCES

- Research & Development – An Overview
  - IAGS has made tremendous achievements in the field of Research and Development, while producing virus resistant cotton plants. Right now plants are under field testing, sample analyses of transgenics confirmed the presence of desired construct in the transformants. Agrobacterium inoculation of two heterologous viruses showed resistance from the transgenics. Discovery of several new plant/animal virus species, strains, variants was also in place. Identification of new whitefly biotypes through molecular analyses. Production of genetically recombinant rabies virus vaccine by using local virus isolates and development of quick protocols for the detection and screening of rabies virus. Skilled manpower has also been produced. Approx. 05 MSc (Hons) and 2 PhD students graduated from IAGS during the report period.

- Projects (i) Completed
  - Dr. M. Saleem Haider, Professor & Director
    - 2010-11, entitled “Molecular analyses of Potato virus Y infecting potato crop in different regions of Punjab” awarded by the University of the Punjab Lahore
o 2011-12, entitled “Genetic diversity of Entomopathogenic Fungi Metarhizium and Beauveria spp. isolated from the Soils of different Ecosystems” awarded by the University of the Punjab Lahore.

Dr. Ghazala Nasim, Professor
o 2010-11. Entitled “Development of software for the identification of Macromycetes of Ayubia National Park.” by University of the Punjab Lahore
o 2010-11, “Isolation, purification and characterization of Rhizome born fungi of Ginger, Zingiber officinale Rosc”, by the University of the Punjab, Lahore.
o Morpho-anatomical studies of basidiomycetes of district Lahore and establishment of permanent slide archives. Awarded by the Punjab University.

Dr. Tehmina Anjum, Assistant Professor
o In vitro control of Alternaria citri using antifungal potentials of Trichoderma species. Awarded by Punjab University.

Dr. Arshad Javaid, Assistant Professor
o 2009-12, Natural compounds from allelopathic trees as antifungal agents against Ascochyta rabiei (Pass.) Lab. Awarded by Pakistan Science Foundation, Islamabad.
o 2011-12, Biological Control of Charcoal Rot of Mungbean by Trichoderma and Sisymbrium irio. Awarded by University of the Punjab.
o 2011-12, Lumpsum Research Grant for development of Research Lab. Awarded by University of the Punjab.

Dr. Shakil Ahmed, Assistant Professor
o 2010-2011, entitled “Bioconversion and Biotransformation efficacy of Pleurotus species without any supplementation” by the University of the Punjab (Grant Rs.150,000/-)

Dr. Amna Shoaib, Assistant Professor
o 2010-2011: Worked as Principal investigator in the project entitled Influence of arsenic on wheat growth and its bioremediation through agricultural waste. Support of Academic Research, Punjab University, Pakistan.

Dr. Uzma Bashir, Assistant Professor
o Fungicidal Activity of Some Allelopathic Medicinal Plants against Root Rot causing Fungi. Funded by academic research, University of the Punjab, Lahore.

Dr. Shazia Shafique, Assistant Professor
o 2011. Bioefficacy of extracts of Ageratum cornyzoides to control Drechslera species. Awarded by University of the Punjab, Lahore, Pakistan.
o 2011-12, Development of DNA finger prints (genetic signatures) of Khanspur mushrooms. Awarded by University of the Punjab, Lahore, Pakistan.
Dr. Muhammad Ashfaq, Assistant Professor
- Genetic variability analysis of basmati and exotic rice germplasm lines by using various genotypic and phenotypic traits (Rs: 150,000) (Funding Source: University of the Punjab, Lahore).

Dr. Sobiya Shafique, Assistant Professor

Ms. Zill-e-Huma, Lecturer
- 2011-12. (Purification and characterization of Invertase by Aspergillus spp. from some Agrowastes) Awarded by (University of the Punjab)

Miss Shabnam Javed, Lecturer
- 2011-12: Phytochemical & pharmacological investigation of Monotheca buxifolia & Sorbaria tomentosa, Awarded by: University of the Punjab

Mr. Muhammad Shafiq, Lecturer
- Principal Investigator of project entitled “Molecular Characterization of Begomovirus Infecting Solanaceous Crops” University of the Punjab for fiscal year 2011-12)

Mr. Adnan Zahid, Lecturer
- 2012: Effect of the conservative tillage and earthworm on the growth of the mung bean (Vigna radiata) completed during 2012 funded by University of Punjab, Lahore (0.125 million).

Ms. Sana Hanif, Lecturer
- Investigations on Biodiversity of Nematodes Associated with Potato in Major Potato Growing Regions of Punjab and their Biocontrol. Awarded by: (University of the Punjab)

(ii) Newly Launched

Dr. M. Saleem Haider, Professor & Director
- 2011-14, entitled “Pak-US Cotton Productivity Enhancement Project” awarded by United States Department of Agriculture (USDA) through International Centre for Agricultural Research in the Dry Areas (ICARDA).
- 2009-13: Novel approach to generate wide spectrum virus resistance to all cotton infecting begomoviruses infecting cotton and other cultivated crops. Awarded by PARB.

Dr. Ahmad Ali Shahid, Assistant Professor
- Effect of Genetically Modified crops on soil micro-organism and animals. Awarded by Higher Education Commission of Pakistan

Dr. Arshad Javaid, Assistant Professor
- Title: Biological Control of Charcoal Rot of Mungbean by Trichoderma and Sisymbrium irio. Awarded by Punjab University Lahore. Rs. 150,000/-
Title: Natural compounds from allelopathic trees as antifungal agents against Ascochyta rabiei (Pass.) Lab. Awarded by PSF. [Project No. PSF-NSLP-P-PU (53)]. Rs. 2012256/-.

**Dr. Tehmina Anjum, Assistant Professor**
- Strengthening of Fungal Biotechnology Lab in Institute of Agricultural Sciences, University of the Punjab. Awarded by University of the Punjab.
- Use of extracts from local medicinal trees to control Alternaria leaf spot of tomato. Awarded by University of the Punjab.

**Dr. Shakil Ahmed, Assistant Professor**
- Prevalence, occurrence and distribution of chilli anthracnose disease in major chillies growing areas of Punjab. Awarded by University of the Punjab.

**Dr. Shazia Shafique, Assistant Professor**

**Dr. Muhammad Ashfaq, Assistant Professor**
- Screening of diverse germplasm for drought tolerance in rice (Oryza sativa L.) through conventional and molecular breeding techniques (Rs: 500000) (Funding Source: Higher Education Commission (HEC) Islamabad No: PM-IPFP/HRD/HEC/2012/2783, Islamabad September 14th, 2012).

**Dr. Amna Shoaib, Assistant Professor**

**Dr. Uzma Bashir, Assistant Professor**
- Morphological and Molecular characterization of economically important fungal species. Funded by academic research, University of the Punjab, Lahore, Pakistan.

**Dr. Sobiya Shafique, Assistant Professor**
- 2012-13. Screening of resistant and susceptible varieties of Chilies against Fusarium wilt on the basis of biochemical and molecular analysis. Awarded by University of the Punjab, Lahore, Pakistan.

**Dr. Muhammad Bilal Chattha, Assistant Professor**
- 2012: Improving the Germinibility and Vigor Enhancement of Sunflower (Helianthus annuus L.) Hybrid Seed under Varying Temperatures through Seed Priming. Awarded by (Higher Education Commission of Pakistan.)

**Dr. Rashid Mahmood, Assistant Professor**
- 2012-13: Evaluation of weeds extracts in nitrification inhibition and uptake of synthetic nitrogen for yield enhancement of maize) Awarded by HEC.
Miss Shabnam Javed, Lecturer

Ms. Sana Hanif, Lecturer
- Screening of Bacterial Bioagents for their Ability to Induce Cold Stress Tolerance in Tomato (Lycopersicon esculentum Mill. Awarded by (proposed to University of the Punjab).

Mr. Muhammad Shafiq, Lecturer
- Co-Principal Investigator of project entitled “Haunglongbing in Pakistan” funded by HEC

Mr. Adnan Zahid, Lecturer
- Co-Principal-Investigator, “Improving Germinibility and vigor enhancement of sun flower (Helianthus annuus L.) Hybrid seed under varying temperatures through seed priming” during 2012 funded by Higher education commission (0.5million).

- Publications

Dr. M. Saleem Haider, Professor & Director

Dr. Ghazala Nasim, Professor

Dr. Salik Nawaz Khan, Assistant Professor
Research and Development


Dr. Tehmina Anjum, Assistant Professor

Dr. Shakil Ahmed, Assistant Professor
- Shakil Ahmed and Muniba Abid (2011) Bioconversion and Biotransformation efficacy of Pleurotus species. Published from VDM Verlag Dr Muller GmbH & Co. KG Dudweiler Lendstr. 99 66123 Saarbrucken, Germany.
• Azeem Haider and Shakil Ahmed (2011) Glossary of Plant Pathology by Azeem Haider and Shakil Ahmed Published from VDM Verlag Dr Muller GmbH & Co. KG Dudweiler Lendstr. 99 66123 Saarbrucken, Germany.

Dr. Amna Shoaib, Assistant Professor


Dr. Uzma Bashir, Assistant Professor


• Management and characterization of Fusarium solani 2012. ISBN 978-3-8484-4464-9, LAP LAMBERT Academic Publisher, Germany.

Miss Shabnam Javed, Lecturer


• Phytochemical Investigation of Citrus limetta Peel Oil, Shabnam Javed, Dr. Rauf Ahmad, Dr. Saleem Haider, 2012. 978-3-8484-9789-8, 89 pages. www.amazon.com.

Mr. Adnan Zahid, Lecturer

• Zahid, A., Azra, K and Ansar, M., 2011. Sorghum Hydrogen Cyanide” Published by VDM Publisher, Germany.

• Conferences, Seminars and Workshops etc.

Dr. M. Saleem Haider, Professor & Director


• Khan S. N., Anwar W., and Haider M. S. (2011) Effect of planting environment and input application on natural distribution pattern of entomopathogens. International Science and Technology Conference 2011, held December 7-9, at Istanbul University, Turkey

• Farah S., Haider M. S., Shafiq M. and Ilyas M. (2011) A study based on Molecular analyses of whitefly (Bemisia tabaci) populations from Punjab, Pakistan. Challenges and Options for Plant
Health Management, 8th National Conference of Phytopathology, held November 28-29, University of Agriculture, Faisalabad p-97.


- Shabnam Javed, Sehrish Iftikhar, Muhammad Saleem Haider & Shaista Nawaz, 2012. Drying vegetables Bitter Gourd (Momordica Charantia), Methi (Trigonella foenumgraecum), Potato (Solanum tuberosum) and comparison of Preserved vegetables with Fresh ones. In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 37.


- Shabnam Javed1, Sobia mushtaq1, Muhammad Saleem Haider, 2012. In vitro fungitoxicity of the essential oil of Syzygium aromaticum (Clove) and Foeniculum vulgare (Fennel) Essential Oils, In Abstracts book; International Conference on Safe Food and Human Health, January 10-11, GC University, Faisalabad, Pakistan: 63.


Dr. Ghazala Nasim, Professor
- Consultative Meeting on National Sustainable Development Strategy (NSDS) and Action plan (Draft 2010) at Avari Hotel on 18th May 2012, the Mall Lahore, organized by Ministry of National Disaster Management, Government of Pakistan.
Dr. Ahmad Ali Shahid, Assistant Professor

- One day Symposium on Applications of Biotechnology in Health and Agriculture, GC University Faisalabad (March 28, 2012).
- International Conference on Safe Food and Human Health, GC University Faisalabad (January 10-11, 2012).

Dr. Tehmina Anjum, Assistant Professor

- Seminar given on “My Allelopathy experience in Pakistan” in International Agro-Biological Resources and Allelopathy Lab, Tokyo University of Agriculture and Technology, Fuchu Campus, Tokyo, Japan, on 19th July 2012.
- Poster presentation in XV International Congress of Molecular Plant – Microbe Interactions, Kyoto, Japan, July 30th – August 2nd, 2012.

Dr. Arshad Javaid, Assistant Professor (ORAL PRESENTATIONS)


POSTER PRESENTATIONS


**Dr. Shakil Ahmed, Assistant Professor**

o The 8th National Conference of Pakistan Phytopathological Society (PPS) November 28-29, 2011, at Department of Plant Pathology, University of Agriculture, Faisalabad organized Pakistan Phytopathological Society (PPS) and sponsored by Pakistan Science Foundation (PSF), Islamabad, USDA, IAR, and HEC, Islamabad.

o One day Training workshop on 29th September, 2012 entitled “SPSS Software” held in the Al-Razi Hall, Centre for Undergraduate Studies, University of the Punjab organized by ORIC office, University of the Punjab, Lahore.
- One day Training workshop on 20th September, 2012 entitled “Platform bridge between Academia and Industry” held in the Al-Razi Hall, Centre for Undergraduate Studies, University of the Punjab organized by ORIC office, University of the Punjab, Lahore.

- ORIC Video conference September 6, 2012, held in the video conference room Centre for Undergraduate Studies, University of the Punjab, Lahore organized by ORIC University of the Punjab, Lahore and HEC Islamabad.

- One day Training workshop on 23rd April, 2012 entitled “HEC Plagiarism Policy and Turnitin Software” held in the Committee Room, Centre for Undergraduate Studies, University of the Punjab organized by QEC & ORIC University of the Punjab, Lahore.

- One day Training workshop on 17th March, 2012 entitled “Qualitative Research using NVivo 9 Software” held in the Committee Room, Centre for Undergraduate Studies, University of the Punjab, Lahore organized by ORIC University of the Punjab, Lahore.

Dr. Amna Shoaib, Assistant Professor


Centre of Excellence in Water Resources Engineering, University of Engineering and Technology, Lahore, PAKISTAN


Dr. Uzma Bashir, Assistant Professor

- Uzma Bashir and Justina Jane Tahira 2011. Exploitation of antifungal potential of Eucalyptus camaldulensis for the management of Fusarium solani. 8th National conference on Pakistan phytopathological society, Department of plant pathology, University of Agriculture, Faisalabad.(28-29 November 2011)

Dr. Shazia Shafique, Assistant Professor

- International Conference on Natural Products ICNP, November, 13-16, 2011, Putrajaya, Malaysia.
- International Conference on Applied Life Sciences, September, 10-13, 2012, Konya, Turkey.

Dr. Rashid Mahmood, Assistant Professor

- One week 1st National Training Course on “Bacterial Identification and Metagenomics” held at “National Institute of Biotechnology and Genetic Engineering, Faisalabad, Pakistan” from March 5-9, 2012, NIBGE- Faisalabad, Pakistan.
- One week training course on “Office Management” held at “Punjab Institute of Management and Professional Development, Lahore, Pakistan” from January 2-6, 2012.
Dr. Shinawar Waseem Ali, Assistant Professor

- Participated in “2nd Invention to Innovation Summit”, 18 June 2012, University of the Punjab, Lahore, Pakistan.
- Attended a four days “Faculty Orientation Training Program 2012”, (July 3-6, 2012) held at Institute of Administrative Sciences, University of the Punjab, Lahore, Pakistan.

Dr. Muhammad Bilal Chattha, Assistant Professor


Dr. Sobiya Shafique, Assistant Professor

- International Conference on Natural Products ICNP, November, 13-16, 2011, Putrajaya, Malaysia.
- International Conference on Applied Life Sciences, September, 10-13, 2012, Konya, Turkey.

Dr. Asad Shabbir, Assistant Professor

- Won graduate student award by International Weed Science Society (IWSS) to attend and present paper at International Weed Science Congress held from June, 17-22, 2012 in Hangzhou, China.
- Won School of Agriculture and Food Sciences travel award to present and attuned 2012 Adaptation Future conference on Climate Change held at University of Arizona, Tucson.

Ms. Zill-e-Huma, Lecturer

o Biovision Alexandria NXT, 2012 (TWAS/BVA. NXT 2012) at the Center for Special Studies and Programs at the Bibliotheca Alexandria 21-22 April 2012. Alexandria, Egypt. Poster Presentation. Funding by TWAS.

**Miss Shabnam Javed, Lecturer**


o Presented paper in International Conference on Safe Food and Human Health, January 10-11, 2012. GC University, Faisalabad, Pakistan.

o Presented paper in 10th International and 22nd National Chemistry Conference November 21-23, 2011, Chemistry for Food and Energy, Department of chemistry and biochemistry, University of Agriculture, Faisalabad.


o Displayed stall in Seminar on “Developing Local Food Additives/Preservatives” 5th Nov 2012, organized by IRP in collaboration with University of the Punjab (ORIC & Institute of Agricultural Sciences) and Pakistan Society of Food Scientists & Technologists (PSFST)-Lahore. Al-Razi Hall, Undergraduate Block, PU.

**Mr. Muhammad Shafiq, Lecturer**

o Shafiq, M., Ahmad, I., Haider, M.S. and Asad, S., 2012. The role of Cauliflower mosaic virus (CaMV) defence and silencing suppressor protein 6 (p6) in modulating auxin signaling oral presented at 10th Australasian Plant Virology Workshop (10th APVW) 19-22 November 2012 Hanmer Springs, New Zealand organized by The New Zealand Institute for Plant & Food Research Ltd.

**Mr. Adnan Zahid, Lecturer**

o Zahid.A., A. Khanum, M. Ansar, A. A. Shahid and K.A. Khan.” Influences of cultivars and growth stages on morphological and chemical changes in sorghum (Sorghum bicolor L. Moench) under dry conditions in Pakistan. 3rd International conference on agriculture and animals sciences Bangkok, Thailand 24-25 November 2012


o Influences of cultivars and growth stages on morphological and chemical changes in sorghum (Sorghum bicolor L. Moench) under dry conditions in Pakistan. 3rd International conference on
agriculture and animals sciences  Bangkok, Thailand 24-25 Novemember 2012 sponsored by University of the Punjab, Lahore

- One week training on handling of Arch GIS-Software at Suparco Head quarter, Karachi
- One week training on SPSS at NCRD, Chak Shahzad, Islamabad
- One day workshop on Quantitative analysis in SPPS, University of the Punjab, Lahore

**Ms. Sana Hanif, Lecturer**

- Oral Paper presentation in 1st International Conference on Safe Food and Human Health, 10-11 Jan, 2012, organized by: Department Of Food Science, Government College University, and Faisalabad, Pakistan. Title: Residual Analysis of Different Fungicides In/On Tomato Fruit.

**Dr. Nasir Ahmad, Lecturer**


**Dr. Zaheer Hussain, Lecturer**

- Workshop Research Ethics, Endnote and Turnitin 25-26 September, 2012 Department of Library Science and Information Technology, Punjab University, Lahore.
- 2ND Real Time PCR Workshop 4th – 7th September, 2012 University Institute of Biochemistry and Biotechnology, PMAS Arid Agriculture University Rawalpindi
- Endnote Training Workshop held at University of Health Sciences, Lahore on 24th December, 2011. (Training Workshop)
- An international symposium “Tuberculosis - Epidemiology, Diagnostics and Therapeutics” at Institute of Biochemistry and Biotechnology, Punjab University Lahore held on November 03, 2011. (Attended)

**Publications**

**Dr. M. Saleem Haider, Professor & Director**


Research and Development


Dr. Ghazala Nasim, Professor


**Dr. Salik Nawaz Khan, Assistant Professor**


**Dr. Ahmad Ali Shahid, Assistant Professor**


**Dr. Tehmina Anjum, Assistant Professor**


Dr. Arshad Javaid, Assistant Professor


Research and Development


Dr. Shakil Ahmed, Assistant Professor


**Dr. Amna Shaoib (Amna Javaid), Assistant Professor**


**Dr. Uzma Bashir, Assistant Professor**

**Dr. Shazia Shafique, Assistant Professor**


Dr. Muhammad Ashfaq, Assistant Professor


Dr. Rashid Mahmood, Assistant Professor


Dr. Shinawar Waseem Ali, Assistant Professor


Dr. Sobiya Shafique, Assistant Professor

Dr. Asad Shabbir, Assistant Professor

Miss Shabnam Javed, Lecturer
Ms. Sana Hanif, Lecturer

Mr. Adnan Zahid, Lecturer

Dr. Zaheer Hussain, Lecturer

Mr. Moazzam Anees, Lecturer

RESEARCH COLLABORATION

- Indigenous
  - Central Cotton Research Institute, Multan
  - Ayub Agricultural Research Institute, Faisalabad
  - Environment Protection Department (EPD), Lahore
  - HEC Ph.D. Scholar Aqeel Ahmad under HEC Indigenous scholarship programme, Research entitled “Inducible defense responses in tomato triggered by Penicillium oxalicum against Alternaria alternata leaf spots of tomato” is working under the supervision of Dr. Shazia Shafique.

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

- Funding Grants for R&D
  - M. Saleem Haider. An amount of Rs.30,80,679/- has been granted for a research project entitled “Pak-US Cotton Productivity Enhancement Project” by USDA through International Centre for Agricultural Research in the Dry Areas (ICARDA).
  - M. Saleem Haider. PARB funded research project for CLCuV resistance, Worth Rs 28 million (2009-2013)
o Tehmina Anjum. Strengthening of Fungal Biotechnology Lab in Institute of Agricultural Sciences, University of the Punjab. (2011 - 2012). Grant = 0.772 Million Rs by PU.

o Tehmina Anjum. Principal investigator in one year (2011-2012) project entitled “Use of extracts from local medicinal trees to control Alternaria leaf spot of tomato”. Grant = 1,50,000/Rs by PU.

o Dr. Arshad Javaid (2011-12), entitled “Biological Control of Charcoal Rot of Mungbean by Trichoderma and Sisymbrium Irio” by University of the Punjab Lahore. (Grant Rs.150,000/-)

o Dr. Arshad Javaid, (2011-12), “Lumsum Research Grant” by University of the Punjab Lahore (Grant Rs.769,000/-)

o Dr. Shakil Ahmed, entitled “Biological Treatment of pulp and paper industrial effluent by white rot fungi” funded by the University of the Punjab. (Grant Rs.150,000/-)

o Shazia Shafique. Principal Investigator in one year (2011) project entitled “Cymbopogon Citratus as a remedy to control Alternaria species - a cause of leaf spot diseases” Grant Rs.150, 000/-

o Dr. Sobiya Shafique. Principal Investigator in one year (2011) project entitled “Bioefficacy of extracts of Ageratum cornyzoides to control Drechslera species” awarded by the University of the Punjab, Lahore, Pakistan, 2011. Grant Rs.150,000/-

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Research & Development – An Overview

- The faculty of IBB actively pursuing research projects of national interests inter alia immunodiagnosis of viral and bacterial infections; purification and applications of industrially important enzymes; characterization of antifungal proteins of plant origin, identification of biomarkers for early diagnosis of cancer, production of monoclonal antibodies, peptide hormones, interferon's and cytokines, screening of genetic disorders in local population and nanotechnology-based detection of allergens in local environment. During the year 2011-12, the Institute had several publications to its credit. In particular, many research papers were published in international impact factor journals and the research findings were presented at the national and international forum. A highly competitive research grant of US$ 12,000 was also awarded to one of the faculty member. The faculty members also received research grants, to strengthen the research activities of the Institute.

Projects (i) Completed

<table>
<thead>
<tr>
<th>Name of researcher/sponsoring agency</th>
<th>Title of research project with duration</th>
<th>Financial support</th>
<th>Main goals (proposed/achieved)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Mahjabeen Saleem University of the Punjab</td>
<td>Potential of bacterial strains for bioremediation of pulp and paper industry effluents</td>
<td>Rs. 0.15 Million</td>
<td>o To check the ability of biological treatment process for decolourization of industrial effluents</td>
</tr>
<tr>
<td>Dr. Amtul Jamil Sami University of the Punjab</td>
<td>human eye lens of Local population.</td>
<td>Rs. 0.15 Million</td>
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<tr>
<td>Dr. Amtul Jamil Sami University of the Punjab</td>
<td>Molecular Basis of Action of Neem (Azadirachta Indica) driven compounds as Bio-pesticides.</td>
<td>Rs. 2.262 Million</td>
<td></td>
</tr>
</tbody>
</table>
| Dr. Saba Irshad University of the Punjab | Characterization of BCR-ABL in CML patients of Pakistan | Rs. 0.15 Million | - To characterize all possible BCR-ABL Fusion Transcripts by using RT PCR  
- To check frequency of those fusion transcript in CML patients of Pakistan  
- To check the presence of a typical fusion transcripts other than b2a2, b3a2, in CML patients of Pakistan |
| Dr. Zahoor Qadir Samra University of the Punjab | Surface Layer Proteins as Nano carrier for Therapy and Diagnosis  
Duration: 1 Year | Rs. 0.125 Million | - Isolation and characterization of S-layer protein from bacteria  
- Identification by gold-conjugated antibody and microscopy  
- Conjugation of anti-cancer drug with S-layer protein. |
| Ms. Mamoona Naz University of the Punjab | Identification of a high risk haplotype for the dystrobrevin binding protein-1 (DTNBP-1) gene and interleukin-12B in schizophrenia as genetic markers  
Duration: 1 Year | Rs. 0.125 Million | - Role of diagnostic strategy in treatment of schizophrenia |
| Ms. Iram Gull University of the Punjab | Determination of uric acid levels by uric acid test strips  
Duration: 1 Year | Rs 0.125 Million | - To develop easy to use enzyme based colorimetric test strips for the qualitative and semi-quantitative determination of uric acid in human whole blood, serum and urine samples.  
- Development of low cost disposable paper based uric acid test strips. |
| Mr. M. Shahbaz Aslam University of the Punjab | Fungal laccases for paper pulp bleaching  
Duration: 1 Year | Rs. 0.125 Million | - Replacing conventional and polluting chlorine based delignification procedures by enzyme based methods.  
- Providing milder and cleaner strategy for pre-treatments of wood pulp with lignolytic enzymes. |
## Research and Development

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</thead>
</table>
| Ms. Afshan Iqbal University of The Punjab | Isolation, Characterization and immobilization of extracellular alpha amylase from mutant Bacillus Subtilis Duration: 1 Year | Rs. 0.125 Million | o Development of mutant Bacillus subtilis  
o Enzyme estimation  
o Purification and characterization of the enzyme  
o Enzyme Immobilization  
o Immobilized enzyme assay |

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</thead>
</table>
| Ms. Beenish Kashif Hashmi University of the Punjab, Lahore. | Studies on antioxidant enzyme activities at different ripening stages of fruits and vegetables. Duration: 1 Year | Rs. 0.125 Million | o Sampling of plant material (available fruits and vegetables)  
o Preparation of enzyme extract  
o Estimation of total protein content  
o Estimation of antioxidant enzyme activity  
o Isolation and purification of the highest activity antioxidant enzyme  
o Characterization of the purified antioxidant enzyme |

(ii) Newly Launched

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<tr>
<th>Name of researcher/sponsoring agency</th>
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<tr>
<td>Dr. Mahjabeen Saleem University of the Punjab</td>
<td>Influence of Apolipoprotein E4 (ApoE) and Leptin Gene Variations on Hypertention.</td>
<td>Rs.0.150 Million</td>
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<td>Dr. Amtul Jamil Sami HEC</td>
<td>Molecular Basis of Action of Neem (Azadirachta Indica) derived compounds as Bio-pesticides.</td>
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<tr>
<td>Dr. Amtul Jamil Sami University of the Punjab</td>
<td>Biochemical basis of inhibition of digestive amylase of coleopteran insects and human by Azadirachta indica.</td>
<td>Rs.0.150 Million</td>
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<tr>
<td>Dr. Saima Sadaf PAS</td>
<td>Production of recombinant cytokine of therapeutic importance</td>
<td>Rs.1.98 Million</td>
<td>o Production of granulocyte colony stimulating factor for neutropenia treatment</td>
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<tr>
<td>Dr. Saima Sadaf University of the Punjab</td>
<td>Implementing MicroRNAs in the Diagnosis of Acute Myocardial Infarction</td>
<td>Rs.0.150 Million</td>
<td></td>
</tr>
</tbody>
</table>

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### Name of researcher/sponsoring agency | Title of research project with duration | Financial support | Main goals (proposed/achieved)
--- | --- | --- | ---
Dr. Saba Irshad University of the Punjab | Mutational Analysis of DNMT3A Gene in Pakistani Patients with Acute Myeloid Leukemia (AML) | Rs.0.150 Million |  
Dr. Moazzam Ali University of the Punjab | Investigation of endocytic role of human small GTPase Rab28 | Rs.0.150 Million |  
Ms. Mamoona Naz University of the Punjab | Genetic susceptibility and identification of potential role of Vitamin D biomarkers for diagnosis and prognosis of Arthritis in Pakistani Population | Rs.0.125 Million |  
Mr. M. Shahbaz Aslam | Recombinant production of consensus envelop domain III protein of Dengue Virus; A Candidate Tetravalent Dengue Vaccine. | Rs.0.125 Million |  
Ms. Ima Gull University of the Punjab | Heterologous expression of phytase in plants. | Rs.0.125 Million |  
Mrs. Afshan Iqbal University of the Punjab | Genetic studies of genes involved in bioremediation in microbes | Rs.0.125 Million |  
Mrs. Beenish Kashif Hashmi University of the Punjab | Isolation and production of antineoplastic enzyme producing microbes from soil samples | Rs.0.125 Million |  
Ms. Ferhana Hussain University of the Punjab | Optimization and Molecular characterization of Bacterial Isolates from oil contaminated soil samples. | Rs.0.125 Million |  

### Publications

<table>
<thead>
<tr>
<th>Name of Faculty Members</th>
<th>Title of Research Papers</th>
<th>Name of Publishing Journal</th>
<th>Vol.</th>
<th>Impact Factor</th>
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<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Predictors of response to antiviral therapy in patients with chronic hepatitis C from Pakistani population.</td>
<td>Chinese Medical Journal</td>
<td>124(9) 1333-1337</td>
<td>0.95</td>
</tr>
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<td>Name of Faculty Members</td>
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<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Evaluation of prognostic factors for Peg Interferon alfa-2b plus ribavirin treatment on HCV infected patients in Pakistan.</td>
<td>Infect Genet Evol.</td>
<td>3</td>
<td>640-645</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>PCR Assay Targetting virulence genes of Helicobacter pylori isolated from drinking water and clinical samples in Lahore metropolitan Pakistan.</td>
<td>J. Water and Health</td>
<td>9 (1)</td>
<td>208-216</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Determination of oxygen derived free radicals producer (Xanthine oxidase) and scavenger (Paraoxonase 1) Enzymes and lipid parameters in different cancer patients.</td>
<td>Clin Lab</td>
<td>57</td>
<td>741-747</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Computational Comparison of β-Mannosidases of Animals, Human, Microbes and Plants.</td>
<td>Turkish journal of Veterinary and Animal Sciences</td>
<td>35(6):</td>
<td>395-404</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Identification of prognostic biomarker proteins against transient renal dysfunction.</td>
<td>Arch. des. Sci.</td>
<td>2012;</td>
<td>65(9): 622-630.</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Biochemical analysis and investigation on the prospective applications of alkaline protease from a Bacillus cereus strain.</td>
<td>Molecular Biology Reports.</td>
<td>39:6399–6408.</td>
<td></td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Screening of Pneumococcal Pneumonia by Amplification of Pneumolysin Gene In Children Visiting Hospitals in Lahore, Pakistan</td>
<td>Iranian Journal of Pediatrics,</td>
<td>2012;</td>
<td>22.</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Polymorphism in ghrelin and heparan sulfate proteoglycan genes and their association with diabetic nephropathy in Pakistani population.</td>
<td>Journal of Chinese Pharmaceutical Sciences</td>
<td>2012;</td>
<td>21 (3): 264-270.</td>
</tr>
<tr>
<td>Prof. Dr. M. Amin Athar</td>
<td>Creatinine clearance: an early detection of chronic renal failure in suspected patients.</td>
<td>Arch. des. Sci,</td>
<td>2012;</td>
<td>65 (10):</td>
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<tr>
<td>Asma Rashid , Rukhsan Khurshid, Asif Hanif, Mahjabeen Saleem, Latif Aftab</td>
<td>Effect of calcium and soy isoflavone supplementation on bone mineral density of women with different menstrual status.</td>
<td>Journal of Chinese Pharmaceutical Sciences, DOI:10.52 46/jcps.20 12.04.048</td>
<td></td>
<td>0.587</td>
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<tr>
<td>Dr. Mahjabeen Saleem</td>
<td>Biochemical analysis and investigation on the prospective applications of alkaline protease from a Bacillus cereus strain.</td>
<td>Molecular Biology Reports. DOI 10.1007/s 11033:011-033-6</td>
<td></td>
<td>1.875</td>
</tr>
<tr>
<td>Dr. Mahjabeen Saleem</td>
<td>Potential role of Neuregulin 1 and TNF-alpha (−308) polymorphism in schizophrenia patients visiting hospitals in Lahore,</td>
<td>Molecular Biology Reports. Mol. Biol 38 4709–4714</td>
<td></td>
<td>1.875</td>
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<tr>
<td>Ms. Mamoona Naz</td>
<td>Characterization with sites of post-translational modification and specific sites of interaction with substrates and inhibitors.</td>
<td>Molecular Biology Reports. 38,2953.</td>
<td></td>
<td>1.875</td>
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<tr>
<td>Dr. Amtul Jamil Sami</td>
<td>A simple method for the isolation and cloning of genomic DNA from dried bone tissues of Indus river dolphin Platanista minor</td>
<td>Annals of Biological Research 3</td>
<td></td>
<td></td>
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<tr>
<td>Dr. Amtul Jamil Sami</td>
<td>Potential of Azadirachtin and neem (Azadirachta indica) based saponins of invitro insect pest cellulose inhibition and invivo repellency on Tribolium castenum</td>
<td>Journal of medicinal Plant research</td>
<td></td>
<td>0.68</td>
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<tr>
<td>(Co-authors) AR Shakoori</td>
<td>Digestive Cellulose hydrolyzing activity (endo-β-1, 4- D-glucanase) in the gut and salivary glands of Blister beetles Mylabris pustulata</td>
<td>Pakistan Journal of Zoology 43 393-401.</td>
<td></td>
<td>0.20</td>
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<tr>
<td>Dr. Amtul Jamil Sami</td>
<td>Inhibition of cellulase activity and growth retardation of associated bacterial strains fromAulacophora fowiecollis; a green insect pest by two glycosylated flavonoids, isolated from Mangifera indica leaves &quot;(2011)</td>
<td>Journal of Medicinal Plant Research 18 184-190</td>
<td></td>
<td>0.565</td>
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<tr>
<td>Dr. Amtul Jamil Sami</td>
<td>Gene study within the 5' flanking regions of growth hormone gene of first exon in Bos indicus</td>
<td>African Journal of Biotechnology 10 332-336</td>
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<td>Dr. Saima Sadaf</td>
<td>Developing an improved competitive enzyme immunoassay for beetal caprine growth hormone</td>
<td>Pak. J. Biochem. Mol. Biol.</td>
<td>44 (4)</td>
<td></td>
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<tr>
<td>Dr. Saima Sadaf,</td>
<td>Enhanced production and refolding of human leptin expressed in Escherichia coli</td>
<td>(PJBMB)</td>
<td>45(i)</td>
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<tr>
<td>(Co-authors) Shaista</td>
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<td>Bashir, M. Waheed Akhtar</td>
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<tr>
<td>Dr. Zahoor Qadir Samra,</td>
<td>Biocatalytic activity of recombinant human β Mannosidase immobilized onto magnetic</td>
<td>Preparative Biochem. Biotech.</td>
<td>49, 97-112</td>
<td>0.466</td>
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<td>(Co-authors) Nadia Dar,</td>
<td>nanoparticles for bioprocess.</td>
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<td>M. Amin Athar</td>
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<tr>
<td>Dr. Saba Irshad</td>
<td>Antimalaria activity of three Pakistani Medicinal Plants.</td>
<td>Pakistan Journal of Pharmaceutical Sciences</td>
<td>24(4)</td>
<td>0.825</td>
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<td></td>
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<td>Dr. Saba Irshad</td>
<td>In-Vitro Antibacterial Activity of Two Medicinal Plants Neem (Azadirachta indica) and</td>
<td>International Research Journal of</td>
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<td></td>
<td>Peppermint.</td>
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<td>Dr. Saba Irshad</td>
<td>Exclusion Mapping of Primary Microcephaly in Pakistani Kindred</td>
<td>Pak. J. Biochem. Mol. Biol.</td>
<td>44(3)</td>
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<tr>
<td>Dr. Saba Irshad</td>
<td>Linkage Study of Primary Microcephaly in Pakistani Kindred</td>
<td>Research journal of Biology,</td>
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<td>Dr. Saba Irshad</td>
<td>In-Vitro antibacterial activity of Aloe barbadensis Miller (AloeVera)</td>
<td>International Research Journal of</td>
<td>1(2)</td>
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<td></td>
<td></td>
<td>Pharmaceuticals</td>
<td>60-65</td>
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<tr>
<td>Dr. Saba Irshad</td>
<td>A Review on DNA VACCINES</td>
<td>Journal of Health Sciences</td>
<td>1(1)</td>
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<td>1-7</td>
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<tr>
<td>Dr. Saba Irshad,</td>
<td>A Review on Microcephaly genes</td>
<td>Biopolymers and Cell</td>
<td>28(3)</td>
<td>0.205</td>
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<tr>
<td>(Co-authors) Samiah</td>
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<tr>
<td>Ahmad</td>
<td></td>
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<tr>
<td>Dr. Saba Irshad,</td>
<td>In vitro antibacterial activity of three medicinal plants using agar well diffusion</td>
<td>Research Journal of Biology</td>
<td>2(01)</td>
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<tr>
<td>(Co-authors) Maryam</td>
<td>method.</td>
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<td>Mahmood, Farzana Perveen</td>
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<tr>
<td>Dr. Saba Irshad,</td>
<td>A Review on Autosomal recessive non-syndromic hearing impairment genes</td>
<td>Basic Science of Medicine</td>
<td>1(3)</td>
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<tr>
<td>(Co-authors) Blessy</td>
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<td>Shahzad, Sana Khan</td>
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<td>Dr. Saba Irshad,</td>
<td>Molecular Characterization of Seven Different Species of Aspergillus Through Random</td>
<td>Journal of Microbiology Research</td>
<td>02(03)</td>
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<tr>
<td>(Co-authors) Rabiya</td>
<td>Amplified Polymorphic DNA (RAPD) and Enzyme Analyses</td>
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<td>Nawab</td>
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### Name of Faculty Members  | Title of Research Papers                                                                                                                                                                                                 | Name of Publishing Journal | Vol. | Impact Factor |
<table>
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<tr>
<td>Dr. Saba Irshad, (Co-authors) Tooba Altaf</td>
<td>PCR based detection of parental origin of extra chromosome 21 in children with Down syndrome in Pakistan</td>
<td>Basic Sciences of Medicine</td>
<td>1(1)</td>
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<tr>
<td>Dr. Saba Irshad, (Co-authors) Rabiya Nawab</td>
<td>A Molecular Genetic Study of Autosomal Recessive Primary Microcephaly in three Pakistani Kindred</td>
<td>Basic Sciences of Medicine</td>
<td>1(3)</td>
<td></td>
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<tr>
<td>Ms. Mamoona Naz (Co-authors) Mahjabeen Saleem, Asif Hanif, Khurram Shehzad, Maria Rasool</td>
<td>Polymorphisms in ghrelin and heparin sulfate proteoglycan genes and their association with diabetic nephropathy in Pakistani population</td>
<td>Journal of Chinese Pharmaceutical Sciences</td>
<td>21</td>
<td>0.587</td>
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<td>Iram Gull, (Co-authors) M. Shahbaz Aslam Zahoor Qadir Samra, M. Amin Athar</td>
<td>Inhibitory effect of Allium sativum and Zingiber officinale extracts on clinically important drug resistant pathogenic bacteria.</td>
<td>Annals of clinical Microbiology and Antimicrobials</td>
<td>11</td>
<td>1.7 (unofficial)</td>
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<tr>
<td>Iram Gull, (Co-authors) Aamir Ali, Abdul Majid, Asif Saleem, Namia Huma Naveed and Shagufta Naz</td>
<td>In vitro conservation and production of vigorous and desiccate tolerant synthetic seeds in Stevia rebaudiana.</td>
<td>Journal of medicinal plant research</td>
<td>6</td>
<td>0.879</td>
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<td>M. Shahbaz Aslam (Co-authors) Mohsina Akhter, Raheema Rasheed, Zahoor Qadir Samra, Iram Gull, Muhammad Amin Athar</td>
<td>Identification and Purification of Antigenic 34 kDa Outer Membrane Protein of Salmonella Typhi</td>
<td>Clin. Lab.</td>
<td>Manuscript # 111211, Accepted</td>
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<tr>
<td>M. Shahbaz Aslam (Co-authors) Aisha Aishy, Zahoor Qadir Samra, Iram Gull, M. Amin Athar</td>
<td>Identification, Purification and Characterization of Novel Extracellular Laccase from Cladosporium cladosporioides</td>
<td>Journal of Biotechnology &amp; Biotechnological Equipment</td>
<td>Accepted</td>
<td>0.76</td>
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</table>

- **Conferences, Seminars and Workshops etc.**
  - Dr. Saima Sadaf delivered lecture on “Production of Biologically Active Recombinant Proteins in E. coli” at the NAYS-organized workshop held at the University of Lahore, Lahore (September 14-16, 2012)
Dr. Saima Sadaf delivered lecture on “Expression of bubaline somatotropin in methylotrophic yeast Pichia pastoris” at the National Science Conference held at PMAS-ARID Agriculture University, Rawalpindi (January 10-12, 2012)

Dr. Saba Irshad participation in a Workshop on “Research Ethics, Endnote and Turnitin” at Department of Library and Information Sciences, University of the Punjab, Lahore, on 25th-26th September, 2012.

Dr. Saba Irshad participation in a one day Workshop on “Quantitative Data Analysis using SPSS” at ORIC, Department of Undergraduate Studies, University of the Punjab, Lahore, on 29th September, 2012.

Dr. Saba Irshad participation in a symposium on Tuberculosis – Epidemiology, Diagnostics and Therapeutics, November 3, 2011, at IBB, PU, Lahore.

Dr. Saba Irshad paper presentation on “Frequency of Bcr-abl Fusion Transcript of CML patients in Pakistan” in 10th Shaukat Khanum Memorial Cancer Symposium, Lahore, 18-20th November, 2011.

Dr. Saba Irshad paper presentation in 32nd Pakistan congress of Zoology (International), GC University, Lahore, March 6-8, 2012.

Ms. Iram Gull participation in a one day Workshop on “Immunofluorescent Techniques” at MMG, Department, University of the Punjab, Lahore, on 20th October, 2011.

RESEARCH COLLABORATION

Indigenous

A collaborative research project of Dr. Saima Sadaf and Prof. M. Waheed Akhtar School of Biological Sciences “Production of recombinant cytokine of therapeutic importance.” funded by Pakistan Academy of Sciences Rs. 1.982 Million (2010-2013)

A collaborative research project of Dr. Saima Sadaf and Prof. M. Waheed Akhtar School of Biological Sciences “Free circulating molecular markers for cancer diagnosis and prognosis” funded by Higher Education Commission, Government of Pakistan Rs. 4.197 Million (2010-13)

SCHOOL OF BIOLOGICAL SCIENCES

Research & Development – An Overview

The School of Biological Sciences, now in the 11th 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

(i) Completed

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Researcher/ Sponsoring Agency</th>
<th>Title of research project with duration</th>
<th>Financial Support</th>
<th>Main Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Prof. Dr. Javed Iqbal/ Pak-US Collaborations</td>
<td>Enhance the sugarcane production in Pakistan by Modern Breeding Technology</td>
<td>US$.71610.00</td>
<td>Completed</td>
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</table>

(ii) Newly Launched (in progress)

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Researcher/ Sponsoring Agency</th>
<th>Title of research project with duration</th>
<th>Financial Support</th>
<th>Main Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Higher Education Commission</td>
<td>Strengthening of the School of Biological Sciences</td>
<td>Rs. 377.328 million</td>
<td>Infrastructure development of SBS</td>
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<tr>
<td>2.</td>
<td>Prof. Dr. M. Waheed Akhtar Higher Education Commission Ministry of Sciences and Technology.</td>
<td>Production of Bioenergy from plant biomass (a collaborative project with major share of the School of Biological Sciences Lab.)</td>
<td>Rs. 260.329 Million (129.52 million Punjab University component share)</td>
<td>Develop biotechnology for the production of ethanol from plants biomass (under progress).</td>
</tr>
<tr>
<td></td>
<td>Pakistan Academy of Sciences</td>
<td>Production of recombinant cytokine of therapeutic importance</td>
<td>Rs.1.982 million</td>
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<tr>
<td></td>
<td>Higher Education Commission</td>
<td>Free circulating molecular markers in cancer diagnosis of tuberculosis using amultiplex microbead immunoassay</td>
<td>Rs.4.198 million</td>
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<tr>
<td></td>
<td>EMRO (WHO) Switzerland</td>
<td>Validation study of a rapid and reliable diagnosis of tuberculosis using amultiplex microbead immunoassay.</td>
<td>US$.12,729.27</td>
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<td></td>
<td>Pak-US S&amp;T Cooperation</td>
<td>Rapid detection of infection and drug resistance in tuberculosis patients by multiplex analysis</td>
<td>US$.262,342.00</td>
<td>University of California Davis, USA</td>
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<td>3.</td>
<td>Prof. Naeem Rashid Higher Education Commission of Pakistan</td>
<td>Discovering the missing phosphofructokinase in hyperthermophilic archaeon Pyrococcus calidifontis</td>
<td>Rs. 5,962,000/-</td>
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<tr>
<td>4.</td>
<td>Dr. Sadaf Naz Higher Education Commission of Pakistan</td>
<td>Molecular characterization of dystonia and wolfram syndrome in Pakistan (3 years)</td>
<td>Rs.4,198,896.00</td>
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<tr>
<td>5.</td>
<td>Fogarty International Centre and National Institute on Deafness and other</td>
<td>Genetic basis of moderate to severe hearing loss in Pakistan.</td>
<td>$.270,000.00</td>
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<tr>
<td>Sr. No.</td>
<td>Name of Researcher/ Sponsoring Agency</td>
<td>Title of research project with duration</td>
<td>Financial Support</td>
<td>Main Goals</td>
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<td></td>
<td>Communication Disorders, National Institute of Health, USA</td>
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</tbody>
</table>

- **Publications**

  **Research Articles:**
  
  
  
  
  
  
  
  
  
  


o Sajid;Shaaban;Hasnain,2012. Purification and identification of bioactive angucyclinones from streptomyces matensis BG5, isolated from the rhizosphere of rosa indica L., Preparative Biochemistry and Biotechnology


Books:


- Conferences, Seminars and Workshops etc.

  Prof. Dr. Javed Iqbal

- Attended 2nd international Conference of Plant Scientist at Lahore Feb, 22-24, 2011 and delivered a key note address entitled “Molecular marker based analysis of sugarcane genotype susceptible of resistant against Red Rot and Rust diseases.

  Prof. Dr. A.R. Shakoori

- 31st Pakistan Congress of Zoology, held in University of Azad Jammu & Kashmir, Muzaffarabad on March 1-3, 2011.
- Participated and made presentation as an invited lecture in the 3rd International Symposium-cum-Training Course on Molecular Medicine and Drug Research held at International Center for Chemical and Biological Sciences, University of Karachi on January 30-6, 2011.

  Prof. Dr. M. Waheed Akhtar

- From genomics to proteomics – an overview. Inaugural talk at the symposium ‘Working with Proteins in Post-genomic Era’ held at the School of Biological Sciences, University of the Punjab, Lahore, Pakistan, January 6-7, 2010.
- Role of non-catalytic domains on activities of cellulases and xylanases. Talk in the 14th Biotechnology Symposium, Rimini, Italy, 14–18 Sept., 2010.
- Engineering proteins for enhancing activities. Prof. Anwar Waqar Memorial plenary lecture, 3rd International Symposium on Molecular Medicine and Drug Research, Karachi University, Pakistan, Jan. 3-6, 2011.
Prof. Dr. Shahida Hasnain

- Invited speaker in SAARC Conference on New Frontiers in Agricultural Genomics & Biotechnology held at Marriott HotelIslamabad from 5 to 7 June 2012 by NIGAB. Gave lecture on “Metagenomics: an approach to study soil microbial communities and their effects on plants”
- Invited Speaker in Agriculture and Food Security Issues in Global Environmental Prospectives" 11th to 13th July 2012 organised by University of PoonchRawalakot. Gave presentation “Use of metagenomics and high throughput sequencing to understand plant microbe interactions”
- Invited Speaker in National seminar on “Current Status of Food Industry in Pakistan: Threats and Challenges” organized by PCSIR September 6, 2012. Gave lecture on Genetic modifications-road map to crop improvement”
- Presented paper entitled “Impact of treated synechocystisahz-hb-mkon the growth and biochemical parameters of triticum aestivum (wheat) under chromium stress” in second Phycological Conference held in University of Karachi October 16-18.2012
- Organized Workshop on “Biosafety” with collaboration with Sure Bio-Diagnostics in Department of Microbiology and Molecular Genetics, March 4, 2011
- Organized seminar on “Nanotechnology” by Dr Patrice Marche (Inserm, France) in Department of Microbiology and Molecular Genetics, March 7, 2011
- Patron one day workshop on “Fluorescent Microscopy” organized by Department of Microbiology and Molecular Genetics, September 24, 2011
- Patron one day workshop on “Immunofluorescent Techniques” organized by Department of Microbiology and Molecular Genetics, October 20, 2011
- Patron one week workshop on, “In-service faculty training program” University of the Punjab, Lahore, 18-22 October, 2011.
- Gave seminar entitled “Biotechnological Aspects of Cyanobacteria:” in Hazara University, KPK April 5, 2012
- Gave seminar on “Pyrosequensing – a way to study microbial communities” in Hazara University, KPK April 5, 2012
- Research group discussion with Ph.D. students of Hazara University
- Gave seminar on “Biotechnological aspect of Cyanobacteria” In Department of Microbiology, University of Karachi, October 17, 2012.
- Gave seminar on “Metagenomics: a strategy to study microbial communities” In Department of Microbiology, University of Karachi, October 17, 2012.
- Resource person in one day HEC workshop “Impact of Higher Education in the Social Adjustment of Women in Islamic Perspectives in Pakistan” organizer by IER, Kohat University of Science &

- Gave lecture on "Genetics Counseling" in Symposium “Lesson Learned from Iran – Pre-marriage Counseling and Volunteer Programme ” organized by Jang Group on January 12, 2012 in PC Lahore
- Gave awareness speech about “Thalassemia” in seminar on Thalassemia in Governor House, Lahore, organized by SUNDAS FOUNDATION on May 17, 2012.

Gave speech about promotion of science and higher education as chief Guest for the 2nd Annual Liberty ISSI (Innovative Scientific Solutions and Ideas) organized by A-level Science Society, Beaconhouse Liberty Campus, Lahore.

FACULTY OF MEDICINE & DENTISTRY

SHAIEKH ZAYED POSTGRADUATE MEDICAL INSTITUTE

- Research & Development – An Overview

  o Shaikh Zayed Postgraduate Medical Institute during the period from 01-10-2011 to 30-09-2012 has been fulfilling its objectives.

  o During this period 56 academic activities, 52 Clinicopathological Conference presented, 04 workshops conducted, 77 students were enrolled, 29 in diploma courses, 29 in M. Phil courses, 19 MD/MS courses. 39 students who have completed degrees at SZPGMI, 15 in diploma courses, 19 in M. Phil and 05 in MD/MS.

- Projects (i) Completed

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Status</th>
<th>Department</th>
<th>Topic</th>
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<tr>
<td>1</td>
<td>Dr. Fauzia Zubair Nagi</td>
<td>M.Phil</td>
<td>Biochemistry</td>
<td>Comparison of myeloperoxidase in obese individuals with hypertension and without hypertension.</td>
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<td>2</td>
<td>Dr. Ambreen Safdar</td>
<td>M.Phil</td>
<td>Chemical Pathology</td>
<td>Association of lipoprotein alpha Lp(a) c-reactive protein in patients of rheumatoid arthritis.</td>
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<td>3</td>
<td>Dr. Naim Ahmed Nizami</td>
<td>M.Phil</td>
<td>Biochemistry</td>
<td>Evaluation of the relationship of high sensitive c-reactive protein, HbAlc and magnesium levels in type-2 diabetes mellitus and newly diagnosed patients of ischemic heart disease.</td>
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<td>4</td>
<td>Dr. M. Naim Ashraf</td>
<td>M.Phil</td>
<td>Chemical Pathology</td>
<td>Evaluation of zinc, copper and cadmium in patients of prostatic carcinoma.</td>
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<td>5</td>
<td>Dr. Sh. Khurram Salam Sehgal</td>
<td>M.Phil</td>
<td>Biochemistry</td>
<td>Comparison between serum levels of cardiac troponin-T &amp; creatine kinase MB isoenzyme in patients presented to hospital emergency with suspected myocardial infarction.</td>
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<tr>
<td>Sr. No.</td>
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<tr>
<td>6</td>
<td>Dr. Sardar Ali Shah</td>
<td>M.Phil</td>
<td>Chemical Pathology</td>
<td>Association of anti-thyroidperpxide autoantibodies and obesity with recurrent miscarriage.</td>
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<td>7</td>
<td>Dr. Tayyaba Muzaffar</td>
<td>M.Phil</td>
<td>Anatomy</td>
<td>Morphological study of lung alveoli of albino rats exposed to dexamethasone during intrauterine development.</td>
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<tr>
<td>8</td>
<td>Dr. Fatima Qamar</td>
<td>M.Phil</td>
<td>Anatomy</td>
<td>Morphological study of liver in adult albino rats exposed to finasteride.</td>
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<tr>
<td>9</td>
<td>Dr. Godfrey Paul</td>
<td>M.Phil</td>
<td>Anatomy</td>
<td>Effect of simvastatin on the morphology and histology of the albino rat ovaries.</td>
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<td>10</td>
<td>Dr. Javaid Iqbal</td>
<td>M.Phil</td>
<td>Anatomy</td>
<td>Morphological effects of hydroxyprogesterone caproate on the renal gland of albino rat during gestational period.</td>
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<tr>
<td>11</td>
<td>Dr. Shumaela Kanwal</td>
<td>M.Phil</td>
<td>Physiology</td>
<td>Frequency of female athlete triad syndrome in major teaching institutes of Lahore.</td>
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<tr>
<td>12</td>
<td>Dr. Faiqua Yasir</td>
<td>M.Phil</td>
<td>Oral Pathology</td>
<td>Comparative study of fine needle aspiration cytology with histology of orofacial and cervical lumps.</td>
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<tr>
<td>13</td>
<td>Dr. Farah Bano Niazi</td>
<td>M.Phil</td>
<td>Histopathology</td>
<td>Correlation of fine needle aspiration cytology and touch imprints cytology with histology of palpable breast lesions.</td>
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<tr>
<td>14</td>
<td>Dr. Nadia Aslam</td>
<td>M.Phil</td>
<td>Microbiology</td>
<td>Root cause analysis of methicillin-resistant staphylococcus aureus bacteremia in Sheikh Zayed Hospital, Lahore.</td>
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<tr>
<td>15</td>
<td>Dr. Naima Mehdi</td>
<td>M.Phil</td>
<td>Microbiology</td>
<td>Carbapenemase, as a cause of carbapenem resistance in enterobacteriaceae.</td>
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<td>16</td>
<td>Dr. Zulfiqar Ali Memon</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Multiple myeloma staging in light of B2 microglobulin and c-reactive protein.</td>
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<td>17</td>
<td>Dr. Shaista Mobeen</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Comparison of acridine orange with giemsa staining for diagnosis of malarial parasite.</td>
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<tr>
<td>18</td>
<td>Dr. Faiza Fazal</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Frequency of kell antibodies in multi-transfused patients.</td>
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<tr>
<td>19</td>
<td>Dr Ahmad Alamgir</td>
<td>M.Phil</td>
<td>Pharmacology</td>
<td>Effect of G.O.I on prolonged routine coagulation parameters (prothrombin time and activated partial thromboplastin time) in rabbits.</td>
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<td>20</td>
<td>Dr. Anita Lamichhane</td>
<td>MD</td>
<td>Paediatrics</td>
<td>Role of CRP in the diagnosis of sepsis in early infancy.</td>
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<tr>
<td>21</td>
<td>Dr. Sajjad Hussain</td>
<td>MD</td>
<td>Paediatrics</td>
<td>Invasive Pneumococcal disease (IPD) burden and serotype distribution in hospitalized children under 5 years.</td>
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<tr>
<td>Sr. No.</td>
<td>Name</td>
<td>Status</td>
<td>Department</td>
<td>Topic</td>
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<tr>
<td>22.</td>
<td>Dr. Praphulla Shrestha</td>
<td>MS</td>
<td>Orthopaedics</td>
<td>Comparative study of two treatment methods in patella fractures.</td>
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<tr>
<td>23.</td>
<td>Dr. M. Awais Bhutta</td>
<td>MS</td>
<td>Orthopaedics</td>
<td>Comparison of closed reduction and percutaneous pin fixation of distal radial fractures with external fixation with pins and plaster.</td>
</tr>
<tr>
<td>24.</td>
<td>Dr. Aqeel Ahmad</td>
<td>MS</td>
<td>Cardiothoracic Surgery</td>
<td>Outcome of surgical management of ischemic heart disease in patients with end stage renal disease.</td>
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</table>

(ii) Newly Launched

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Status</th>
<th>Department</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr. Umme Habiba</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Frequency and Types of red cell alloantibodies in pregnant females.</td>
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<tr>
<td>2</td>
<td>Dr. Lubna Humayun</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>The effect of eradication of helicobacter pylori infection on the platelet counts in patients presenting with idiopathic thrombocytopenic purpura.</td>
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<tr>
<td>3</td>
<td>Dr. Naseem Akhtar</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Glucose-6 phosphate dehydrogenase deficiency in jaundiced neonates and its relationship with severity of hyperbilirubinemia.</td>
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<tr>
<td>4</td>
<td>Dr. Aliya Tariq</td>
<td>M.Phil</td>
<td>Haematology</td>
<td>Incidence of bone marrow fibrosis in myeloproliferative disorders.</td>
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<tr>
<td>5</td>
<td>Dr. Shahnaz Fatima</td>
<td>M.Phil</td>
<td>Pharmacology</td>
<td>Comparative evaluation of antiulcer effect of fluvoxamine, mirtazapine and omeprazole against aspirin induced ulcer in rats.</td>
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<td>6</td>
<td>Dr. Saba Tariq</td>
<td>M.Phil</td>
<td>Pharmacology</td>
<td>Effect of bisphosphonate therapy on serum leptin and homocysteine in postmenopausal osteoporotic females.</td>
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<tr>
<td>7</td>
<td>Dr. Afshan Jabeen</td>
<td>M.Phil</td>
<td>Microbiology</td>
<td>Identification and antimicrobial sensitivity of bacteria colonizing the lower respiratory tract of ventilated patients.</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Afsheen Siddiqi</td>
<td>M.Phil</td>
<td>Pharmacology</td>
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**FACULTY OF ORIENTAL LEARNING**

**UNIVERSITY ORIENTAL COLLEGE**

- Conferences, Seminars and Workshops etc.
  - International Punjabi Conference and Mushaira were held on 22-23-09-11 with the collaboration of Punjabi Department in which Foreign and Pakistani Eminent scholars participated. The Vice Chancellor, University of the Punjab was the chief guest of this conference.
  - Syed Hujavari Seminar was held on 10-11 January 2012, with the collaboration of Arabic Department and Oriental College.
  - Punjabi Naatia Musharia regarding Melad-u-Nabi (PUBH) held on 17-02-2012 in Sharani Hall.
  - Punjabi Adbi Mujlis "Jaggaat Boli Dehar" in Sharani Hall held on 21-02- 2012 in Sharani Hall.
  - Urdu Naatia Musharia regarding Melad-u-Nabi (PUBH) held on 01-03-2012 in Sharani Hall.
o Punjabi seminar "Shah Hussain" held on 18-4-2012 in Sharani Hall.
o Faiz Ahmad Faiz/ Meera Gee “Urdu Seminar” on 10-05-2012 in Sharani Hall.
o Special Lecturer on Seerat of “Hazrat Abu Bakar Sadique R.A.” on 11-05-2012 in Sharani Hall.
o Special Informative Lecturer on “Dengue Fever” to the students, teachers and employees of the Oriental College on 26-08 & 02-09-2012.
o Punjabi seminar “Bulhay Shah” on 27-09-2012 in Sharani Hall.

- **Research Journals**
o Recognized and historical Research Journal “Oriental College Magazine” has been publishing since 1925.

**RESEARCH COLLABORATION**

- **Foreign Linkages**
o Al-Jamia Al-Azhar, Cairo, Egypt.
o Daito Bunka University Tokyo, Japan
o Ningxia University, China
o Tehran University, Iran.
o King Saud Univesity, Al-Riadh, Saudi Arabia

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Dr. Hamid Ashraf Hamdani |  | Oriental College Magazine / 2012 | Punjab University, Lahore
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Dr. Hafiz Abdul Qadeer | Woman in Nizar Qabbani’s Poetry | Oriental College Magazine / 2012 | Punjab University, Lahore
Dr. Abdul Majid Nadeem |  | Oriental College Magazine / 2012 | Punjab University, Lahore

**Books**

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Dr. Khaliq Dad Malik | An Introduction to Arabic Language & Literature | Azad Book Depot, Urdu Bazar, Lahore | 224 | 2011
Dr. Khaliq Dad Malik | An Introduction to Arabic Language & Literature | Azad Book Depot, Urdu Bazar, Lahore | 224 | 2011
Dr. Khaliq Dad Malik | Idarah Sout Hadi, Sheikhu Sharif, Okara | | 304 | 2011
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Dr. Hamid Ashraf Hamdani |  | Idarah Taleef ur Tarjamah, PU, Lahore | 400 | 2012

**Conferences, Seminars and Workshops etc.**

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Seminar | Syed Hajver Tasawuf Seminar 10/01/2012 | Auqaf Department, Govt. Punjab, Lahore | Arabic Department

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DEPARTMENT OF PERSIAN

Publications: Books/Edited

- Muhammad Saleem Mazhar (2012) Department of Persian, University of the Punjab, Lahore.
- Ghulam Moeen ud Din (2012), Urdu Translation of Amir Khusro’s Persian Poetry (Selected by Sufi Tabbassam), Packages, Lahore.
- Ghulam Moeen ud Din (2012), Risale-ye- Adab al Mashq by Baba Shah Isfahani, Tehran, Iran.
- Muhammad Nasir (2012) & Muhammad Saleem Mazhar, Translated, Edited and Annotated Raja Anwar’s Urdu Book “Qabar ki Aghoosh” with the title “Aghosh e Qabar. Department of Persian, University of the Punjab, Lahore.
- Muhammad Nasir (2012) Fardowsi Chair, Punjab University, Lahore.
- Muhammad Nasir (2012) Fardowsi Chair, Punjab University, Lahore.

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Muhammad Saleem Mazhar (2011). Ghaalib Aur Haameyaan e qateel, Safeenah, University of the Punjab, Lahore, 10


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Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 31, Sr. No. 81, 61-76

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Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 32, Sr. No 83,35-44

Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 32, Sr. No 84, 05-26
Research and Development

- Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 33, Sr. No. 86, 05-16
- Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 33, Sr. No. 87, 45-52
- Muhammad Nasir, Oriental College Magazine, University of the Punjab, Lahore, Pakistan. Volume 87, Sr. No 324, 99-114
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- Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 33, Sr. No. 88, 25-42
- Muhammad Nasir, Oriental College Magazine, University of the Punjab, Lahore, Pakistan. Volume 87, Sr. No 326, 105-133
- Muhammad Nasir, Danesh, Iran Pakistan Research Institute, Islamabad, Vol 108, 137-153
- Muhammad Nasir, KHOJ, University of the Punjab, Lahore, Pakistan. Volume 35, Sr. No. 69, 31-38
- Muhammad Nasir, Safeenah, A Research Journal of Department of Persian, University of the Punjab, Lahore. Vol (10), 201-207
- Muhammad Nasir, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 33, Sr. No. 89
- Syed Muhammad Farid, Majallah-e-Tahqiq, University of the Punjab, Lahore, Pakistan. Volume 33, Sr. No. 89
- Syed Muhammad Farid, Role of Iranian and Central Asian Prose Writer in Ghazanavids in Sub-Continent, Safeenah Research journal, Department of Persian, University of the Punjab, Volume 10, pp 70-90, 2012
- Classical Prose in Saddat Period in Sub-Continent (Majala e Tahqiq, Faculty of Oriental Learning, University of the Punjab, Lahore. Vol 88, pp 47-54 2012.

**Conferences, Seminars and Workshops etc.**
- Muhammad Saleem Mazhar (Nov. 2011), “International Punjabi Conference”, University of the Punjab, Lahore
- Mazhar Muhammad Saleem (Nov. 2011), “National Poet of Kashmir Conference”, Department of Kashmiriyat, University of the Punjab, Lahore
○ Ghulam Moeen ud Din (5th March 2012), “National Conference on Kashfal Mahjub”, Hujveri Chair, University of the Punjab, Lahore


○ Ghulam Moeen ud Din (Feb 23-24, 2012), "International Mir Ali Shir Nawai Symposium", Fatih University, Kayseri, Turkey.


○ Najam ur Rashid (Nov.2011), "International Punjabi Conference", University of the Punjab, Lahore

○ Najam ur Rashid (Nov.2011), “National Poet of Kashmir Conference”, Department of Kashmiryat, University of the Punjab, Lahore

○ Syed Muhammad Farid (Dec.2011), “Pakistan and Global Affairs”, Senit Hall, University of the Punjab, Lahore

○ Syed Muhammad Farid (Nov.2011), "International Punjabi Conference", University of the Punjab, Lahore

○ Syed Muhammad Farid (Nov.2011), “National Poet of Kashmir Conference”, Department of Kashmiryat, University of the Punjab, Lahore


○ Muhammad Sabir (Nov.2011), “International Punjabi Conference”, University of the Punjab, Lahore

○ Muhammad Sabir (Nov.2011), “National Poet of Kashmir Conference”, Department of Kashmiryat, University of the Punjab, Lahore


○ Shoaib Ahmed (Nov.2011), “National Poet of Kashmir Conference”, Department of Kashmiryat, University of the Punjab, Lahore


DEPARTMENT OF KASHMIRYAT

- Publications: Books/Edited
• **Research Articles Published National & International:**
  - Dr. Khwaja Zahid Aziz, Kashmir, Azadi Sa Gulami Tak, Tahqiq, Pakistan, vol. 29, P. 51 to 60, Y. 2008
  - Dr. Khwaja Zahid Aziz, Tarikh-i-Kashmir Ka Ek Wark, Oriental College Magazine, Pakistan, vol. 85, P. 175 to 186, Y. 2010
  - Dr. Khwaja Zahid Aziz, Kashmir aur Iran Ka Adbi Wa Tehzib Mushtarakat, Safeenah, Pakistan, vol. 10, P. 178 to 185, Y. 2011
  - Dr. Khwaja Zahid Aziz, Promotion of Islamic Literature in Kashmir, Tahqiq, Pakistan, vol. 82, P. 5 to 12, Y. 2011
  - Dr. Muhammad Ashraf Qureshi, Jamia Masjid Sir Nagar ka Siasi aur Islami Kirdar, Sangarmal, 2011.
  - Dr. Muhammad Ashraf Qureshi, Dria-e-Kishan Ganga sy Neelam Tak, Sangarmal, 2011.
  - Dr. Nusrat Nisar, Haba Khatoon Ehed Saaz Shaiyara, Sangarmal, 2011.
  - Dr. Nusrat Nisar, Lila Arifa Kashmir ki Tarjmaan, Tehqeeq, 2011.

• **Conferences, Seminars and Workshops etc.**
  - Kashmir ki Romanvi Shaiyra (Haba Khatoon) Ehwal-o-Asaar, 12th January, 2012, Kashmiryat Department, University of the Punjab, Lahore.
  - Kashmir par Irani Saqafat ky Asraat, 16th February, 2012, Kashmiryat Department, University of the Punjab, Lahore.
  - Masla-e-Kashmir Majooda Tanazar me, 07th March, 2012, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmir aur Bartaanvi Policy, 16th April, 2012, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmir me Farsi Adab Ak Jaiyza, 16th May, 2012, Kashmiryat Department, University of the Punjab, Lahore.
- Kashmir Ki Alaqaiee Zubany aur in ka Adab, 14th June, 2012, Kashmiryat Department, University of the Punjab, Lahore.
- Azad Kashmir Hakomat- Ak Jaiyza, 19th September, 2012, Kashmiryat Department, University of the Punjab, Lahore.

**International Conferences:**
- Dogri Zuban aur is ka Adab, Adbi Kamraaz Board, Poonch, Rajuri Jammu & Kashmir, 30th June, 2012.
- Sheikh Noor-ud-Din Rashid aur Falsfa-e-Tasawuf, Sheikh Noor ud Din Chair, Srinagar University, Srinagar Kashmir, 23rd August, 2012.

**DEPARTMENT OF PUNJABI**

- **Publications: Books/Edited**
  - Prof. Dr. Ismat Ullah Zahid *Maraj Nama Qadaryar (Tehqiq-o-Tarteeb)* 2012.

- **Research Articles published National & International:**
  - Prof. Dr. Ismat Ullah Zahid. British library londan wic maudoc C Harfi madha gous da qalmi nuskha Issue (Khoj) 66, Department of Punjabi, Jan–June 2011, PP 31-46.
  - Prof. Dr. Ismat Ullah Zahid. *Filmi Dunia da ik gumnam Shair Gulzar Khaleel*. Issue (Khoj) 68, Department of Punjabi, Jan–Jun 2012, PP 39-56.
  - Dr. Naheed Shahid. *Dr. Faqeer di Gazal*. Issue (Khoj) 68, Department of Punjabi, Jan–Jun 2012, PP 09-18
  - Dr. Naveed Ahmad Shehzad. *Hitler ka nazria qumiat o muqamiat*. Issue (Khoj) 68, Department of Punjabi, Jan–Jun 2012, PP 111-120
  - Dr. Naveed Ahmad Shehzad. *Punjabi Zuban okran ty hilly wasaylay*. Issue (Monthly Sawair International Lahore), Department of Punjabi, Jun 2012, PP 08-10
  - Dr. Asma Qadri. *Dr Aslam Rana Hyati ty likhta*. Issue (Khoj) 68, Department of Punjabi, Jan–Jun 2012, PP 19-38
  - Dr. Asma Qadri. *Charkhy de warto Punjabi shairi wanka wich*. Issue (Majallah Tehqeeq), Department of Punjabi, Jan–Mar 2012.
● Conferences, Seminars and Workshops etc.
  o Prof. Dr. Ismat Ullah Zahid. Topic: Shah Hussain Seminar. Punjab University, University Oriental College, Punjabi Department 2012.
  o Prof. Dr. Ismat Ullah Zahid. Topic: Sarac Writers Conference. India March 2012.
  o Prof. Dr. Ismat Ullah Zahid. Topic: International Mother Tong. Punjab University Oriental College, Punjabi Department February 2012.
  o Prof. Dr. Ismat Ullah Zahid. Topic: Sirat-un-nabi seminar Punjab University Oriental College, Punjabi Department March 2012.
  o Prof. Dr. Muhammad Saeed Khawar Bhutta. Topic: Sultan Bahoo Punjab Institute Language, Art & Culture Lahore
  o Prof. Dr. Ismat Ullah Zahid. Topic: International Mother Tong. Punjab University Oriental College, Punjabi Department February 2012.
  o Prof. Dr. Nabila Rehman Topic: Sirat-un-nabi seminar Punjab University Oriental College, Punjabi Department March 2012.
  o Prof. Dr. Nabila Rehman Topic: Faiz Sadi, Meera Ji Sadi Seminar Punjab University Oriental College, Urdu Department May 2012.
  o Dr. Naheed Shahid Associate Professor Topic: Shah Hussain Seminar. Punjab University, University Oriental College, Punjabi Department 2012.
  o Dr. Naheed Shahid Associate Prof Topic: Sarac Writers Conference. India March 2012.
  o Dr. Naheed Shahid Associate Professor Topic: International Mother Tong. Punjab University Oriental College, Punjabi Department February 2012.
- Dr. Naheed Shahid Associate Professor Topic: Sirat-un-nabi seminar *Punjab University Oriental College, Punjabi Department March 2012.*
- Dr. Naheed Shahid Associate Professor Topic: Buleh Shah Seminar/mushaira *Punjab University Oriental College, Punjabi Department 2012.*
- Dr. Naveed Shahzad Associate Professor Topic: Shah Hussain Seminar. *Punjab University, University Oriental College, Punjabi Department 2012.*
- Dr. Naveed Shahzad Associate Professor Topic: International Mother Tong. *Punjab University Oriental College, Punjabi Department February 2012.*
- Dr. Naveed Shahzad Associate Professor Topic: Sirat-un-nabi seminar *Punjab University Oriental College, Punjabi Department March 2012.*
- Dr. Naveed Shahzad Associate Professor Topic: Buleh Shah Seminar/mushaira *Punjab University Oriental College, Punjabi Department 2012.*
- Dr. Asma Qadri Assistant Professor Topic: Shah Hussain Seminar. *Punjab University, University Oriental College, Punjabi Department 2012.*
- Dr. Asma Qadri Assistant Professor Topic: International Mother Tong. *Punjab University Oriental College, Punjabi Department February 2012.*
- Dr. Asma Qadri Assistant Professor Topic: Sirat-un-nabi seminar *Punjab University Oriental College, Punjabi Department March 2012.*
- Dr. Asma Qadri Assistant Professor Topic: Buleh Shah Seminar/mushaira *Punjab University Oriental College, Punjabi Department 2012.*
- Dr. Saadat Ali Saqib Assistant Professor Topic: Shah Hussain Seminar. *Punjab University, University Oriental College, Punjabi Department 2012.*
- Dr. Saadat Ali Saqib Assistant Professor Topic: International Mother Tong. *Punjab University Oriental College, Punjabi Department February 2012.*
- Dr. Saadat Ali Saqib Assistant Professor Topic: Sirat-un-nabi seminar *Punjab University Oriental College, Punjabi Department March 2012.*
- Dr. Saadat Ali Saqib Assistant Professor Topic: Buleh Shah Seminar/mushaira *Punjab University Oriental College, Punjabi Department 2012.*
- Dr. Zahir Ahmed Shafique Assistant Professor Topic: Shah Hussain Seminar. *Punjab University, University Oriental College, Punjabi Department 2012.*
- Dr. Zahir Ahmed Shafique Assistant Professor Topic: International Mother Tong. *Punjab University Oriental College, Punjabi Department February 2012.*
- Dr. Zahir Ahmed Shafique Assistant Professor Topic: Sirat-un-nabi seminar *Punjab University Oriental College, Punjabi Department March 2012.*
- Dr. Zahir Ahmed Shafique Assistant Professor Topic: Buleh Shah Seminar/mushaira *Punjab University Oriental College, Punjabi Department 2012.*
**DEPARTMENT OF URDU**

- **Publications**

**Books/Edited:**
- Prof. Dr. Zahid Munir Amir. Rooshanas. Lahore, Faculty of Oriental Learning in Collaboration with Zafar Ali Khan Chair, ICS, PU, 2012
- Dr. Zia-ul-Hassan. Urdu ki Teesri Kitab. (1st Author). 2012

**Research Articles Published National & International:**
o Prof. Dr. Zahid Munir Amir. Common Moral Objective and Interfaith Harmony in the Light of Iqwbals Thought (Urdu). Included in: Armaghan e Allama Ala-ud-Din Siddiqui. (Ed by: Dr. Jamila Shoukhat), Department of Islamic Studies University of the Punjab, Lahore. 2012.
o Prof. Dr. Zahid Munir Amir. Quaid e Azam Abulhol k Dais Myn. Monthly Mah e Nau. Lahore, Dec 2011
Research and Development

- Dr. Baseera Ambreen, Iqbal, Wajud e Zan awr Uqda e Mushkil ki Kashoor. Tekhliqi Adab. Islamabad: National University of Modern Language
- Dr. Nasir Abbas Nayyar. It's Not Appropriate to Comprehend Him a Single Person:Meeraji's Nazm. Included in: Bazyaft, PU, Lahore, Issue No 21,July-Dec 2012, P1-18

- Conferences, Seminars and Workshops etc.


Prof. Dr. Zahid Munir Amir. “Dabistan e Iqbal Opening Ceremony”. (Observe) (26th February 2012) Dabistan e Iqbal, Lahore.


Prof. Dr. Zahid Munir Amir. “Seminar on Allama Iqbal at Faculty of Humanities and Social Sciences”. (Presented Research Paper Muhammad Iqbal on Global Human Sociology and Religion) (29th Nov 2011) Romaschandraduth Burrenchobay Lecture Theatre, University of Mauritius, Mauritius.


Prof. Dr. Zahid Munir Amir. “Annual Celebrations Pak German Friendship Association”. (Lecture delivered on Responsibilities of Pakistani’s abroad) (8th Oct 2011) Karlsruhe, Germany.


DEPARTMENT OF IQBAL STUDIES

- Research & Development – An Overview
  - Allama Iqbal Research Chair has been entrusted with a Research Project entitled (Encyclopaedia on Allama Iqbal’s art and thought. Two volumes of this comprehensive book have been published and the third volume is in process.
  - The Third volume will be consisted on 110 research articles, out of them 80 articles on different topics of Allama Iqbal’s art and thought have been written and composed and are ready for publication.
  - Dr. Syyed Muhammad Akram has written 15 research articles for this volume which are ready for press.
  - The DAAIRAH-E-MARIF –E-IQBAL (encyclopaedia) containing about 2000 double columned pages will be the first encyclopaedia on Allama Iqbal’s art and thought published by the University of the Punjab.

- Publications
FACULTY OF PHARMACY

UNIVERSITY COLLEGE OF PHARMACY

• Research & Development – An Overview
  o All teaching faculty in the University College of Pharmacy is involved in Research and Development. This research is in the fields of National priority areas. The faculty is involved in research in the disciplines of Pharmaceutics (formulation design, Clinical Pharmacy, Biopharmaceutics and Pharmacokinetics), Pharm Chemistry (Analytical, Physical and Medicinal chemistry), Pharmacology and Pharmacognosy).

• Projects (i) Completed
  3 completed (Prof. Dr. Syed Saeed ul Hussain and Prof. Dr. Khalid Hussain), sponsored by University of the Punjab, Lahore, 250000.

• Publications
  o Nadeem Irfan Bukhari, Biopharmaceutics and Pharmacokinetics – An activity based learning Reprint 2, Raaz Publishers, Lahore Pakistan
  o Saeed ul Hassan, Shahid Rasool, Uzma Niaz, Muhammad Khalil Rehman, Muhammad Yasir Ali, Ghulam Abbas, Nasir Rasool, Muhammad Riaz and Kizar Abbas. Dermatological Potential of
crude extracts and different fractions of Achyranthes aspera inn. African Journal of Pharmacy & Pharmacology, 2102


- Rabia Hussain, Furqan Khurshid Hashmi and Khalid Hussain, “Assessment of perceptions and knowledge about osteoporosis among the students from various science disciplines”. Pakistan Journal of Pharmacy. 2102.


o A Khalid, A Waseem, M Saadullah, UU Rehman, S Khiljee, A Sethi, MHHB Asad, Fatima Rasool,


- **Conferences, Seminars and Workshops etc.**
  - The Faculty members presented/participated in/attended the following:-
  - AAPS Annual Meeting and Exposition held in Chicago, America on October 14-18, 2012.
  - National Conference in collaboration with HEC "People health through quality pharmacy services – Think globally – act locally, Lahore College for Women University, Lahore, May 2012.
o International Conference on Research Methodology – New trends and integrative approach from bench to bedtime. College of Pharmacy, University of the Punjab, Lahore September, 2012
o Animal workshop held on 4 & 5th January at College of Pharmacy Punjab University Lahore 2011.
o Seminar & workshop on Environmental Toxicology & Health held on 8th & 9th March 2011 at Department of Pharmacology & Toxicology University of Veterinary & Animal Sciences Lahore.
o Seminar on dryness of eye held on September 2011 At College of Pharmacy Punjab University Lahore.
o Seminar on Management of diabetes mellitus held on ----18 Nov 2011--- organized by College of Pharmacy Lahore
o Two days training on management of first aid (Red Crescent), held on—4 & 5th June 2011, held at College of Pharmacy Punjab University Lahore.
o One day seminar on drug abuse & misuse held on March 2011 at college of Pharmacy organized by Shaukat Khanum Hospital.
o Seminar on anti- tobacco awareness was held on 23-May 2011 at Shaukat Khanum Hospital.
o International Biennial conference held on 11-12 April 2011 at king Edward medical university Lahore, organized by Pakistan physiological society, paper was presented topic was, effect of cinnamon extract alone & in combination with insulin on blood glucose in Alloxan induced albino rats.
o Sixteenth International conference & exhibition was held on 28th April to 1st May 2011, at Pearl continental Lahore.
o Pharmaceutical policy Pharmaceutical healthcare system implementations. Presented by Dr Zaheer-ud-din Babar on 4th January 2012.
o PPA organized seminar on “Responsibilities of Clinical Pharmacists ” on 7th Jan, 2012 at PPA House 488 G Johar Town, Lahore. The following speakers will deliver lectures on topics mentioned against their names.
o Cancer engiogenesis & nanoparticles one day seminar presented by Dr Sohail from UK, held on on 25th January 2012 at college of pharmacy.
o On day seminar by Dr Qarar from U.K, on Tuesday 31ist Jan2012 , on important factors in drug development.
o National Seminar attended at PCSIR on 23rd May 2012 on Pharmaceutical industry in 21st Century Challenges & Threats.
o National conf in Lahore college university held on 25-26May2012.
O One day conference to establish guidelines on clinical pharmacy practice in Pakistan on 30th June 2012. Organized by Shaukat Khanum Hospital, Pakistan academy of pharmacist and Punjab pharmacy council Lahore.


Workshops, Conferences etc. held at the Department/Institute/Centre/College.

O A national seminar was held at University College of Pharmacy, University of the Punjab entitled “Use of Animals in Science, Ethical & Practical Considerations from January 3 to January 4, 2011.

O International Conference on Research Methodology - New trends and integrative approach from bench to bedside. September, 2012

Invited lecturers delivered outside the Department/Institute/Centre/College:

O Nadeem Irfan Bukhari. Use of Statistics in Dosage form Development to the post graduate students of qualified person (QP) course in Pharmaceutical Statistics module at School of Pharmacy, University College of London, London UK. July 9, 2012

O Nadeem Irfan Bukhari. Statistics in Pharmacy to the post graduate student of qualified person (QP) course in Pharmaceutical Statistics module at School of Pharmacy, University College of London, London UK. July 9, 2012.


• Research Journals

O University College of Pharmacy is publishing regular issue of journal under the name of “Pakistan Journal of Pharmacy.

RESEARCH COLLABORATION

• Indigenous

O Quite a few Faculty members have collaboration with renowned degree awarding Universities in different areas of global villages in the capacities of co-supervisors for awarding Ph.D. Degrees

• Foreign Linkages

O A faculty member has collaboration with DeMont Fort University, UK and Ottago University, New Zealand as external supervisor of PhD students.

FACULTY OF SCIENCES
CENTRE FOR EXCELLENCE IN SOLID STATE PHYSICS

- **Projects (ii) Newly Launched**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Duration</th>
<th>Sponsoring Agency</th>
<th>Funding</th>
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<tr>
<td>1</td>
<td>4 Years</td>
<td>Higher Education Commission</td>
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<td>0.500 Million</td>
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</tbody>
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- **Publications**

  o Rehman, I. Ahmad, A. Ahmed, M. Haneef, Interferences in the photodetached electron spectra from a linear tetra-atomic negative ion, Chin. Phys. Lett. 28(6), 2011, 063301
  o Rehman, I. Ahmad, A. Ahmed, M. Haneef, H.J. Zhao, Investigation of a linear tetra-atomic negative ion by photodetached-electron spectra, Chin. Phys. Lett. 28(8), 2011, 083301
o G. Murtaza, I. Ahmad, M. Maqbool, H.A.R. Aliabad, A. Ahmed, First principle study of cubic perovskites: AgTF3 (T=Mg, Zn), Physica B: Condensed Matter 406, 2011, 4584

o G. Murtaza, I. Ahmad, M. Maqbool, H.A.R. Aliabad, A. Ahmed, Structural and optoelectronic properties of cubic CsPbF3 for novel applications, Chin. Phys. Lett. 28(11), 2011, 117803

o A. Ahmed and I. Ahmad, Classification of partially reflecting surfaces using photodetached electron spectrum, Int. J. of Quantum Chemistry 111(15), 2011, 4067-4071


o S.M. Ramay, M. Saleem, S. Atiq, S.A. Siddiqi, S. Naseem M.S. Anwar, Influence of temperature on the structural and magnetic properties of Co0.5Mn0.5Fe2O4 ferrites. Bulletin of Material Science, 34, 2011, 1415-1419


o M. Saleem, S.A. Siddiqi, S. Atiq, M.S. Anwar, Structural and magnetic studies of Zn0.95Co0.05O and Zn0.90Co0.05Al0.05O, Chinese Physics Letters, 28, 2011, 116103.


o S. Naseem, M. Khalid and S. Riaz, Surface passivation of Ti/4H-SiC Schottky barrier diode, Communication in Theoretical Physics, 58, 2012, 577


o S. Naseem, Z.N. Kayani and R.A. Lewis, Synthesis of 4-alkyl-1”, 3” difluoro terphenyl nitrile using coupling reactions, Journal of Molecular Liquids, 175, 2012, 72


o S. Riaz, S. Dawei, J. Chen, W. Zhou and X.F. Han, Controlled nanostructuring of multiphase core–shell nanowires by a template-assisted electrodeposition approach, Nanotechnology, 23(30), 2012


o A. Ahmed, I. Khan, H.A.R. Aliabad and I. Ahmad, Transition from optically inactive to active Mg-Chalcogenides: A first principle study, Computational Materials Science, 61, 2012, 278-282


o A. Ahmed, S. Ashiq, Classical Limit in the Photo-detachment of a Diatomic Anion: A Two-Center Model Approach, Sci. Int. (Lahore), 24(2), 2012, 113

A. Ahmed, A. Sajid, S. M. Alay-e-Abbas, and A. Shaukat, Structural, Electronic and Optical Properties of MgSxSe1-x, MgSxTe1-x and MgSexTe1-x (0 ≤ x ≤ 1) alloys From First Principles, Int. J. Mod. Phy. B, 26(17), 2012, 1250098

A. Ahmed, Bakhtiar ul Haq, R. Ahmed, and S. Naseem, A comprehensive DFT study of Zinc Oxide in different phases, Int. J. Mod. Phy. C, 23(6), 2012, 1250043


Conferences, Seminars and Workshops etc.


A. Ahmad, A mathematical model to investigate the photo-detachment of a non-linear triatomic negative anion, NUST Conf. on Applications and Methods of Physics 2011, November 21-22 2011 held at National University of Science and Technology (NUST) under Centre for Advanced Mathematics and Physics (CAMP) Sector H-12, Islamabad, Pakistan.

M. Saleem, S.A. Siddiqi, S. Atiq, S.M. Ramay, and S. Naseem, Effect of thermal treatment on structural, electrical and magnetic properties of sol-gel synthesized Zn_{0.95}Ni_{0.05}O nanocrystallites. Presented at “Pakistan Institute of Physics International Conference (PIPIC-2011), organized by University of Engineering and Technology (UET) Lahore. Pakistan March 28-30, 2011.

M. Saleem, S.A. Siddiqi, S. Atiq, S.M. Ramay, and S. Naseem, Effect of thermal treatment on structural, electrical and magnetic properties of sol-gel synthesized Zn_{0.95}Ni_{0.05}O nanocrystallites. Presented at “Pakistan Institute of Physics International Conference (PIPIC-2011), organized by University of Engineering and Technology (UET) Lahore. Pakistan March 28-30, 2011.

M. Saleem, S.A. Siddiqi, S. Atiq and S. Naseem, Structural and magnetic studies of Ni doped ZnO synthesized with auto-combustion and co-precipitation techniques, Presented at “The 15th International Symposium on the Physics Semiconductors and its Applications-ISPSA-2011” held at Jeju, South Korea, July 5-8, 2011.

S.A. Siddiqi, M. Saleem, S. Atiq, Phase pure synthesis and room temperature (RT) ferromagnetism in Ni substituted ZnO. Presented at 3rd International Conference on Nanotechnology, November 27-30, 2011, IT Building Male Side, United Arab Emites University, AI Ain, UAE.


Research and Development


- S. Naseem, A. Nadeem, CF. Dee, S. Riaz, H.M. Rafique, Y. Long and I. Ahmad, Effects for the different type of ion beam irradiation on the ZnO nanowires. International Scientific Spring (ISS), Jointly organized by National Center for Physics (NCP) Islamabad and International Center for Theoretical Physics (ICTP), Italy at NCP Islamabad, March 5-9, 2012


o S. Riaz, N. Abbas, CF. Dee, S. Naseem, M.H. Rafique, Y. Long, I. Ahmad, Effects for the different type of ion beam irradiation on the ZnO nanowires. Poster presentation in

o International Scientific Spring (ISS), jointly organized by National center for Physics (NCP)Islamabad, and International Center for Theoretical Physics (ICTP), Italy at NCP Islamabad.


A. Ahmed, Photo-detachment microscopy of the hydrogen negative ion near a dielectric thin film, International Conference on Condensed Matter Physics and Engineering, 27-29 Dec. 2012, held at Department of Physics, Bahauddin Zakria University Multan.

S. Atiq, I. Ghafoor, S.A. Siddiqi and S. Naseem, Investigation of structural, electrical and magnetic behavior of Pb-doped La$_{0.1}$Bi$_{0.9}$FeO$_3$ Multiferroics. Presented at International Scientific Spring-2012 (ISS-2012), March 5-9, 2012, held at National Centre for Physics (NCP), Islamabad, Pakistan.


S. Atiq, I. Ghafoor, S.A. Siddiqi, S. Riaz and S. Naseem. Structural, Electrical and Magnetic Investigations of Pb-doped La$_{0.1}$Bi$_{0.9}$FeO$_3$ Multiferroics. Presented at Advances in Civil, Environmental and Materials Research (ACEM’12) held at COEX in Seoul, South Korea from 26-30th August 2012.


S. Atiq, U. Ghaznavi, S. A. Siddiqi and S. Naseem. Characterization of Polycrystalline Zinc Ferrite (ZnFe$_2$O$_4$) by XRD, SEM, IS and Resistivity Measurements. Presented at Advances in
Civil, Environmental and Materials Research (ACEM’12) held at COEX in Seoul, South Korea from 26-30th August 2012.


RESEARCH COLLABORATION

- Indigenous
  - University of Engineering & Technology, Lahore
  - Lahore College for Women University, Lahore
  - Islamia University Bahawalpur, Bahawalpur
  - Bahauddin Zakaria University, Multan

- Foreign Linkages
  - State Key Laboratory of Magnetism, Institute of Physics, Chinese Academy of Sciences, Beijing, China.

CENTRE FOR HIGH ENERGY PHYSICS

- Publications
  - Imran Jamil and Bilal Masud, Eur. Phys. J. A (Springer), 47: 33, year 2011. Title: Dynamical effects of QCD in $q^2\bar{q}^2$ systems.


Publications List of Dr. Haris Rashid, Dr. Talab Hussain, Dr. Abrar Ahmad Zafar and Dr. Qadeer Atzal:

- Experimental study of ψ′ decays to K\textsuperscript{−}Kπ\textsuperscript{0} and K\textsuperscript{−}Kη, BESIII Collaboration, Phys. Rev. D 86, 072011 – Published 26 October 2012
- Evidence for the Direct Two-Photon Transition from ψ(3686) to J/ψ, BESIII Collaboration, Phys. Rev. Lett. 109, 172002 – Published 24 October 2012
- Observation of e\textsuperscript{+}e\textsuperscript{−}→ηJ/ψ at center-of-mass energy \sqrt{s}=4.009GeV, BESIII Collaboration, Phys. Rev. D 86, 072011 – Published 26 October 2012
- Measurement of \chi\textsubscript{c}\textsubscript{0,2} decaying into π\textsuperscript{−} and π\textsuperscript{−}π\textsuperscript{0}, BESIII Collaboration, Phys. Rev. D 86, 052011 – Published 26 September 2012
- Observation of \chi\textsubscript{c}\textsubscript{2} decays to π\textsuperscript{+}π\textsuperscript{−}, BESIII Collaboration, Phys. Rev. D 86, 052004 – Published 13 September 2012
- Study of J/ψ→ and J/ψ→, BESIII Collaboration, Phys. Rev. D 86, 032014 – Published 31 August 2012
- First observation of the isospin violating decay J/ψ→[ψ(3686)→γη\textsubscript{c}], BESIII Collaboration, Phys. Rev. D 86, 032008 – Published 15 August 2012
- First Observation of the M1 Transition ψ(3686)→γη\textsubscript{c}(2S), BESIII Collaboration, Phys. Rev. Lett. 109, 042003 – Published 24 July 2012
- Two-photon widths of the \chi\textsubscript{c}\textsubscript{0,2} states and helicity analysis for \chi\textsubscript{c}\textsubscript{2}→γγ, BESIII Collaboration, Phys. Rev. D 85, 112008 – Published 20 June 2012.
- Measurements of the Mass and Width of the η\textsubscript{c} Using the Decay ψ(3686)→γη\textsubscript{c}, BESIII Collaboration, Phys. Rev. Lett. 108, 222002 – Published 31 May 2012
- First Observation of η(1405) Decays into f_0(980)π\textsuperscript{0}, BESIII Collaboration, Phys. Rev. Lett. 108, 182001 – Published 3 May 2012
- Search for η\textsubscript{c}′ decays into vector meson pairs, BESIII Collaboration, Phys. Rev. D 84, 091102 – Published 29 November 2011
- Higher-order multipole amplitude measurement in ψ→γχ\textsubscript{c}\textsubscript{2}, BESIII Collaboration, Phys. Rev. D 84, 092006 – Published 22 November 2011

- **Conferences, Seminars and Workshops etc.**
  - A meeting of Pakistan Vacuum Society held on 15-02-2012 at CHEP and Prof. Dr. Haris Rashid was elected as president of the Punjab Chapter.
  - A seminar on the occasion of "Seerat un Nabi (PBUH)" was organized at CHEP on 16.02.2012. Dr. Iftikhar Ahmad Ch. Student Advisor of Punjab University delivered a lecture in this seminar.
  - Dr. Aleksander Stefanavic delivered a lecture at CHEP on 08.05.2012 on "Applications of x-ray Diffractometer (XRD) for Research Purposes".
  - Dr. Shahid Rafique, Chairman of Physics Department, UET delivered a lecture on 15.05.2012. The topic was "Laser and its Applications".
  - A meeting of Pakistan Vacuum Society held on 15-05-2012 at CHEP.
  - Dr. Adnan Bashir delivered a series of lectures on the Schwinger-Dyson equation and its application in December 2011 and January 2012.
  - Dr. Bilal Masud organized a lecture on 11.06.2012 at CHEP, Dr. Farida Tahir delivered a lecture on the topic of “The effect of non-standard interaction in neutrino oscillation.”
  - Dr. Bilal Masud attended a seminar on “Quran and Modernity”, and delivered a lecture on “Quran and Modernity: Challenges or Roles”, during 14-15 April, 2012 in Mansehra, KPK.
  - Dr. Bilal Masud, Dr. Abrar Amad Zafar and Dr. Qadeer Afzal attended the 4th Winter Meeting on Particles and Fields, in LUMS, Lahore during 27-28 January 2012. Dr. Bilal Masud delivered a lecture on “Physics beyond the quark model”.
  - Dr. Munawar Iqbal, Dr. Ayub Fridi and Qadeer Afzal attended the Scientific Spring meeting held at NCP, Islamabad during 5-9 March 2012.
  - An Electronics Project Exhibition was arranged in CHEP on 12.07.2012.
  - A Lecture was arranged on the topic of “Dengue Prevention”. The lecture held on 26.08.2012.
  - Dr. Babar Qureshi of LUMS delivered a lecture in June 2012 on the recent Nobel prize discovery of accelerating universe.
  - Dr. Talab Hussain attended Beijing Spectrometer III (BES III) Collaboration meeting and presented two papers from 9-13 Jun, 2012 at Soochow University, China.
  - Dr. Abrar Ahmad Zafar attended BES III Collaboration meeting from Nov 30 to Dec 4, 2011 at Beijing, China.
  - Dr. Abrar Ahmad Zafar performed shift duties at BES III detector site from 12- 25 Dec, 2011.

**RESEARCH COLLABORATION**

- **Foreign Linkages**
  - Beijing Spectrometer III (BESIII) Collaboration: CHEP faculty members: Prof. Dr. Haris Rashid, Dr. Abrar Ahmed Zafar, Dr. Qadeer Afzal Malik and Dr. Talab Hussain are the BESIII members. They continued performing collaborative research in this period.
Dr. Bilal Masud continued collaborative research with the following researchers abroad:

- 1-Dr. Eric Swanson, Pittsburg University, USA.
- 2-Dr. Adnan Bashir, Universidad Michoacana, Morelia, Mexico.

CENTRE FOR UNDERGRADUATE STUDIES

- Research & Development – An Overview
  - Center has produced more than 20 research articles of good impact those were published in journals of national and international repute. Book chapters (for international books) were also published.

- Projects (i) Completed

<table>
<thead>
<tr>
<th>Name of Researcher</th>
<th>Sponsoring Agency</th>
<th>Financial Support</th>
<th>Research Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Najam ul Sehar</td>
<td>University of the Punjab</td>
<td>1,50,000</td>
<td>Botany</td>
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<tr>
<td>Dr. Najam ul Sehar</td>
<td>University of the Punjab</td>
<td>2,00,000</td>
<td>Botany</td>
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<tr>
<td>Sadaf Aslam</td>
<td>University of the Punjab</td>
<td>1,25,000</td>
<td>Zoology</td>
</tr>
<tr>
<td>Humaira Tariq</td>
<td>University of the Punjab</td>
<td>1,25,000</td>
<td>English</td>
</tr>
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<td>Bushra Nisar Khan</td>
<td>University of the Punjab</td>
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<td>Zoology</td>
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<td>Umer Shafique</td>
<td>University of the Punjab</td>
<td>1,25,000</td>
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(ii) Newly Launched

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<tr>
<td>Ammara Dar</td>
<td>University of the Punjab</td>
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<td>Chemistry</td>
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<td>English</td>
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</table>

- Publications

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<tr>
<th>Author</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Page</th>
</tr>
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<tbody>
<tr>
<td>Dr.Najam ul Sehar</td>
<td>Some new rust fungi (Uredinales) from fairy meadows, Northern areas, Pakistan.</td>
<td>Journal of yeast and fungal research</td>
<td>3(5)</td>
<td>65-73</td>
</tr>
<tr>
<td>Dr.Najam ul Sehar</td>
<td>New records of Puccinia species on Poaceae from Pakistan.</td>
<td>Mycotaxon</td>
<td>120</td>
<td>407-413</td>
</tr>
<tr>
<td>Dr.Najam ul Sehar</td>
<td>Three new Caeoma species on Rosa spp. From Pakistan</td>
<td>Mycotaxon</td>
<td>120</td>
<td>239-246</td>
</tr>
<tr>
<td>Muhammad Younis</td>
<td>Ternary three point non stationary subdivision scheme</td>
<td>Research journal of applied sciences engineering and technology</td>
<td>4(3)</td>
<td>1875-1882</td>
</tr>
<tr>
<td>Ammara Dar/Umer Shafique</td>
<td>Forced migration of soluble and suspended materials by freezing front in aqueous systems</td>
<td>Journal of hydro-environment research</td>
<td>6(3)</td>
<td>221-226</td>
</tr>
<tr>
<td>Author</td>
<td>Title</td>
<td>Journal</td>
<td>Volume</td>
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<tr>
<td>Bushra Nisar Khan</td>
<td>Serum chemistry variables of Bengal tigers (Panthera tigris tigris) kept in various forms of captivity</td>
<td>Pakistan veterinary Journal</td>
<td>32</td>
<td>283-285</td>
</tr>
<tr>
<td>H.M Asim Zafar</td>
<td>Certain H- subsets of Q(5m)/Q under the action of H=&lt;x,y;x²+y⁴=1&gt;</td>
<td>Pakistan Journal of Sciences</td>
<td>64(1)</td>
<td>67-74</td>
</tr>
<tr>
<td>Muhammad Younis</td>
<td>A new family of binary 5-point approximating non-stationary subdivision scheme</td>
<td>Archives des sciences</td>
<td>65(5)</td>
<td>231-245</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Removal of formaldehyde from aqueous solution by adsorption on kaolin and Bentonite: A comparative study</td>
<td>Turkish Journal of Engineering and Environmental Sciences</td>
<td>36(2)</td>
<td>263-270</td>
</tr>
<tr>
<td>Umer Shafique</td>
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<td>Journal of Hydro environment research</td>
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<td>221-226</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Toxic and nutritive elements analysis of commercially available tea samples of Pakistan by ICP-OES employing microwave digestion</td>
<td>Electronic Journal of Environmental, Agricultural and Food Chemistry (Spain)</td>
<td>11(5)</td>
<td>459-468</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Removal of arsenic from water using pine leaves,</td>
<td>Journal of the Taiwan Institute of Chemical Engineering</td>
<td>43(2)</td>
<td>256-263</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Micro-determination of arsenic in aqueous samples by image scanning and computational quantification,</td>
<td>Analytical methods</td>
<td>4(2)</td>
<td>242-246</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Comparative removal of congo red dye from water by adsorption on Grewia asiatica leaves, Raphanus sativus peels and activated charcoal,</td>
<td>Journal of the Chemical Society of Pakistan</td>
<td>34(1)</td>
<td>112-119</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Comparative thermal and catalytic recycling of low density polyethylene into diesel-like oil using different commercial catalysts</td>
<td>Electronic Journal of environment, agriculture and food chemistry</td>
<td>11(2)</td>
<td>96-105</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Microwave assisted synthesis of esterquat for fabric softening applications</td>
<td>Journal of the Chemical Society of Pakistan</td>
<td>34(2)</td>
<td>415-418</td>
</tr>
<tr>
<td>Umer Shafique</td>
<td>Lawrencepur sand, a highly efficient absorbent for the removal of Cr(VI) from waste water</td>
<td>Journal of the chemical society of Pakistan</td>
<td>34(!)</td>
<td>81-88</td>
</tr>
</tbody>
</table>
COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

• Research & Development – An Overview
  o The projects in the CEES during the year 2011-2012 were on removal of heavy metals and toxic organic from waste water and textile effluents using phytoremediation, biosorption and other techniques. One particular group is carrying out research in Solid Waste Management and monitoring using GIS and RS techniques others include management of waste materials and total recycling of waste materials. One group is dealing with Environmental Management Systems for industry, hospitals and the building sector. The use of organisms in environmental biotechnology is also under way.

• Projects (i) Completed
  o Pole of some growth promotors in enhancement of metal uptake and stress alleviation in selected plants grown in tannery waste contaminated soil. Punjab University Lahore. 2011-2012 (Dr. Fiedaus-e-Bareen)
  o Investigating declining ground water, resources of Lahore City of about 1 Crore Pakistani using modeling Technique (Dr. Iftikahr Ahmed)
  o Estimation of amount of chromium in different organs of politory farm chicken (Dr. Nadia Jamil)
  o Floral baseline assessment of vegetation of 1000 kanals of Iskendrabad, Mianwali. (Funded by WWF Pakistan) (Ms Mariyam Zameer)
  o Haematological features of the workers exposed to Gasoline vapours at commercial petrol stations in Lahore. (With the collaboration of UHS, Lahore) (Ms Mariyam Zameer)

(ii) Newly Launched
  o Estimation of water sustainability in Islamabad for long-term survival using hydrologic Techniques (Dr. Iftikahr Ahmed)
  o Estimation of residual amount of oxygen in bovine’s milk samples and blood serum of human females (Dr. Nadia Jamil)
  o Molecular characterization of heavy metal tolerant Bacteria from Industrial Effluents and their Health Impacts. (Funded by University of the Punjab, Lahore. (Ms Mariyam Zameer)

• Publications
o M. Nawaz Ch., Saima Gulzar, Burg Jean-Pierre, Saeed S.A., Characterization of Mughal Bricks from Jahangir Tomb, Lahore-Pakistan, Asian Journal of Chemistry. Vol.25 No.1


o M. Nawaz Ch., Study of Sb28.47Sn11.22S60.32 Compound as Thin Film for Photovoltaic Applications, Chalcogenide Letters, Vol 9, (Impact Factor: 0.835)

o M. Nawaz Ch., One Pot Synthesis of Potentially Biologically Active Novel 4 Thiazolidinone Derivatives, Asian Journal of Chemistry, Vol 24, (Impact Factor: 0.201)

o Riaz Ahmed Sheikh, DEM and GIS based Hyposonetric analysis to investigate Neotectonic influence on Hazara Kashmir Syntaxix, Pakistan Journal of Science Vol. 64 No.3


o Iftikhar Ahmad, 2011 Hydrology of mountainous areas in the upper Indus Basin, Northern Pakistan with the perspective of climate change, Environmental Monitoring and Assessment, Doi 10.1007/s10661-011-2337-7 (Impact Factor: 1.463)

o Iftikhar Ahmad, 2012 Flood frequencies in Soan Valley, Pakistan Journal of Sciences, Pakistan Association for the Advancement of Sciences, 64(1)

o Iftikhar Ahmad, 2012 Reservoir quality monitoring in Rawal Lake using Geoinformatics, Pakistan Journal of Sciences, Pakistan Association for the Advancement of Sciences 64(1).

o Iftikhar Ahmad, 2011 Slope stability analysis in hard rocks and prediction of landslide along Khewra Choha Saidden Shah road, salt range Pakistan, Pakistan Journal of Sciences, Pakistan Association for the Advancement of Sciences 63(4).


o Iftikhar Ahmad, 2012 Groundwater quality profile of Kala Shah Kaku, Pakistan Journal of Sciences, Pakistan Association for the Advancement of Sciences, 64(2),

o Iftikhar Ahmad, 2012 Simulated Transport of Jet Fuel Leaking into ground water, Sindh, Pakistan, Journal of Wetland Biodiversity, 2,

o Nadia Jamil, Naveed Ahsan and Umer Shafique, 2012 Laurencepur Sand – A hughly Efficient adsorbent for the removal of Cr (VI) from waste water. Journal of Chemical Society of Pakistan Volume 34, No. 1


- Books

- Conferences, Seminars and Workshops etc.

  Conferences
  o Shafiq M. presented a poster “Sustainability Perspective of Rice Straw Compost in Rice-Wheat system” (Shafiq M. and Bareen, F.) in 27th International Symposium on Frontiers in Life Sciences University of Cornell, Ithaca, NY, USA April 2-3, 2012
  o Ayaz S. presented a paper orally “Multivariate analysis of heavy metal contamination in vegetables and fruits in the vicinity of some industrial areas of the Punjab” (Ayaz., S and Bareen, F. 2012) in International Symposium on Biotechnology and Other Omics in Vegetable Science (29 April, - 02 May 2012) held in Antalya-Turkey.
o Dr. Iftikhar Ahmad attended an International workshop on “Accuracy and reliability of flood forecasting models using remote sensing technologies for mapping, rainfall, hydrological characteristics and floodplains” organized by UNESCO, JICA and PMD at Hotel Avari, Lahore, Pakistan, 17-18 July 2012.


o Anwar, S., N. S. Bhatti, A. Qadir, N. Jamil and S. A. Anwar, presented “Diversity and distribution of earthworms in urban areas of Lahore”, Pakistan. Fewfm-103. 32nd Pakistan congress of zoology (International Congress) march 6 – 8, 2012 held at GC University, Lahore (Without proceeding).

o Asghar, M., A. S. Qureshi, F. A. Chaudhry, A. Ali, M.Ahmad, A. Qadir, A. Abbas, M. F. A. Malik and Z. Saqib, presented “ Effects of gamma (γ) irradiation on Hydrocyanic Acid contents in sudan grass (Sorghum vulgare var, Sudanese)”. PPBG 34, 12th National and 3rd International Conference of Botany Septemebr 1st to 3rd , 2012 Quaid-e-Azam University, Islamabad, Pakistan (Without proceeding).

Qadir, A., NS; Bhatti, NS; Ali, H; Suchentrunk, F; Anwar, S. presented “Accumulation of chromium, lead and cadmium in Lepus nigricollis distributed in Punjab, Pakistan”. Source: 4th World Lagomorph Conference; JULY 23-27, 2012; Vienna, Austria. Boku-Reports on wildlife research and game management. 20: 101-10 (With proceeding).

Qadir, A. attended “Threat to Biodiversity on local, regional and global scale (I)”, Master training for Environmental Auditors, Venue Auditor General Directorate, Lahore (Resource Person).

Qadir, A. attended “Threat to Biodiversity on local, regional and global scale (II)”, Master training for Environmental Auditors, Venue Auditor General Directorate, Lahore (Resource Person).

Qadir, A. attended Faculty Orientation Program (4 days workshop), Department of Administrative Sciences, PU.


Seminars:

World Environment Day 5th June, 2012

The World Environment Day was celebrated by the CEES in collaboration with the Punjab Forest Dept. on June 5, 2012. A one day seminar was organized with speakers both from the Punjab Forest Department as well as from the College of Earth and Environmental Sciences.

World Tourism Day 27th September, 2012

The World Tourism Day was celebrated by the CEES in the form of a one day seminar on September 27, 2012. Eminent people from the Tourism Industry delivered the seminar.

RESEARCH COLLABORATION

- Indigenous
  - WWF PAKISTAN
  - AGRITECH Iskandrabad
  - ANA ARSH Pakistan NGO.
  - CAMB Lahore, Pakistan
  - UHS, Lahore, Pakistan.
  - KTWMA, Kasur, Pakistan
  - Soil Microbiology Division, University of Cornell, New York, Ithaca, USA.

- Foreign Linkages
  - Cornell University

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- 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**

- **Conferences, Seminars and Workshops etc.**
  - Various workshops were arranged for the students of M.Sc. Actuarial sciences, M.Sc. Statistics and MIOM during the year 2011-2012.

- **Research Journals**
  - Regularly publishing a quarterly research journal ‘Pakistan Journal of Statistics and Operation Research’ since 2005

**RESEARCH COLLABORATION**

- **Indigenous**
  - State Bank of Pakistan, HEC, FBS

- **Foreign Linkages**
  - Department of Clinical Immunology, Goteborg University, Sweden.

- **Funding Grants for R&D**
  - A grant of Rs.2,50,000 was received for the Pakistan Journal of Statistics and Operation Research (PJSOR)
DEPARTMENT OF GEOGRAPHY

- Research & Development – 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 connected from network to online.
  - Laptops are provided to faculty members by the department.

- Projects (i) Completed
  - One of the faculty members carried out one project independently funded by University of the Punjab during the year 2011-12."Remote Sensing and GIS Applications in Land Cover and Land Use Changes in Lahore “funded by University of the Punjab.

- Publications
  The following research papers were published by the faculty of this Department during 2011-12.
  - Parveen, N.1 and Ghaffar, A (2012) Assessment of heavy metals contamination in Surface Soil of urban parks: A case study of Faisalabad city, Pakistan of urban parks , Asian Journal of Social Sciences & Humanities Vol.1, No.1
  - Shirazi, S.A (2012): Remote Sensing and GIS Applications for Monitoring and Assessment of the Urban Sprawl in Faisalabad-Pakistan “Pakistan Journal of Science”, Pakistan Association for the Advancement of Science, II Shadman Market, Lahore Vol. 64, No.3
Research and Development


- Conferences, Seminars and Workshops etc.
  - Two of the faculty members attended one day workshop on SPSS in Undergraduate block in September, 2012.

- Research Journals
  - The prestigious Pakistan Geographical Review was regular in its publication till 2007 but unfortunately since then journal could not be published. The new editorial board of PGR is determined to get it recognized by HEC and to publish it regularly. The efforts are underway in this regard.

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.

- Funding Grants for R&D
  - University of the Punjab

DEPARTMENT OF MATHEMATICS

- Research & Development – An Overview
  - Department of Mathematics organized a series of departmental seminars from October 2011 - September 2012. Prof. Dr. Shahid S. Siddiqi, Prof. Dr. Muhammad Sharif, Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik and Dr. Ghazala Akram presented papers in different National and International conference. Department of Mathematics enrolled 04 students in PhD, 19 students in M.Phil, 74 students in M.Sc. (Morning), 63 students in M.Sc. (Evening), 35 students in B.S. At present 24 students in Ph.D., 35 students in M.Phil., 133 students in M.Sc. (Morning), 118 students in M.Sc (Evening), 110 in BS are studying. 01 Ph.D. Student, 13 M.Phil. Students and 05 MS students 73 M.Sc. students and 18 BS Students completed their degrees during this period. M.Phil. /Ph.D. students are doing research in different fields under the supervision of Prof. Dr. Shahid S. Siddiqi, Dr. Muhammad Sharif, Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik and Dr. Ghazala Akram. Lectures by faculty members and M.Phil. / Ph.D. Students of the Department delivered seminars under the Departmental Seminar Series organized by Dr. Muhammad Aslam Malik.
  - Departmental Library has been enriched by adding 175 Books relevant to Mathematics and 27 new research Journals during this period.
• Publications


M. Aslam Malik and M. Asim Zafar, Certain H-subsets of \( \mathbb{Q}(m) \) under the action of \( 2 \mathbb{Z} \), Pakistan Journal of Science, Vol. 64 No. 1 March, 2012, 67-74.

M. Aslam Malik and Nousheen Goshi, Invariant subsets of \( PL\mathbb{Q}(m) \) under the action of \( 2 \mathbb{Z} \), Pakistan Journal of Science, Vol. 64 No. 3 Sep, 2012, 247-257.


Farkhanda Afzal, Qamar Afzal and M. Aslam Malik, A Classification of the Real Quadratic Irrational Numbers \( n(n,w.r.t) \) Modulo 3\( r \), International Mathematical Forum, Vol. 7 (39), 2012, 1915-1924.


F. Afzal, I.S. Bhatti and M. Aslam Malik, Action of G and M on \( \mathbb{Q}(m) \) and Algorithmic Implementation for Group Actions, Journal of Hyper structures 1(1), 2012, 41-51.


• Conferences, Seminars and Workshops etc.
• Prof. Dr. Shahid S. Siddiqi attended, One Day Conference on Gravitation held at Department of Mathematics, University of the Punjab Lahore on 17 December, 2011.
• Prof. Dr. Shahid S. Siddiqi delivered a talk as Invited Speaker, titled Subdivision Schemes for Curve and Surface Designing at Centre for Advanced Studies in Pure & Applied Mathematics CASPAM, Bahauddin Zakariya University, Multan, December 12, 2011.
• Prof. Dr. Muhammad Sharif delivered a talk Tunneling of Dirac Particles (3rd Galileo-Xu Guangqi Meeting, National Astronomical Observatories, Beijing, China, Oct. 11-15, 2011)
• Prof. Dr. Muhammad Sharif delivered a talk 53. F(T) Gravity (NUST Conference on Mathematical Sciences, NUST Islamabad, Nov. 17, 2011);
• Prof. Dr. Muhammad Sharif delivered a lecturer Cosmic Acceleration in Teleparallel Gravity (Int. Conference on Physics and the World of Today, Karachi University, Karachi, December 22, 2011)
• Prof. Dr. Muhammad Sharif delivered a lecture Kaluza Klein Cosmology with Modified Holographic Dark Energy (4th Winter Meeting in Particles and Physics, Physics Dept. LUMS Lahore, January 28, 2012);
• Prof. Dr. Muhammad Sharif delivered a lecture on Dark Energy Models and Laws of Thermodynamics (MGM13 Stockholm University, Stockholm-Sweden, July 03, 2012).
• Prof. Dr. Muhammad Sharif attended a conference on 3rd Galileo-Xu Guangqi Meeting, National Astronomical Observatories, Beijing, China, Oct. 11-15, 2011.
• Prof. Dr. Muhammad Sharif attended a conference on NUST Conference on Mathematical Sciences, NUST Islamabad, Nov. 17-19, 2011.
• Prof. Dr. Muhammad Sharif attended a conference on International Conference on Physics and the World of Today, Department of Physics, University of Karachi, Karachi, December 21-22, 2011.
Research and Development

- Prof. Dr. Muhammad Sharif attended a conference on 4th Winter Meeting in Particles and Physics, Department of Physics, LUMS Lahore, January 27-28, 2012.
- Prof. Dr. Muhammad Sharif attended a conference on 13th Marcel Grossmann Meeting held at Stockholm University, Stockholm-Sweden, July 03, 2012.
- Prof. Dr. Malik Zawwar Hussain delivered a lecture on Shape preserving interpolation techniques, Institute of Mathematics, Homboldt University Berlin Germany, July 11, 2012.
- Prof. Dr. Malik Zawwar Hussain delivered a lecture on Positive curves and surfaces for CAGD, Institute of Mathematics, Warsaw University Poland, July 13, 2012.
- Dr. Muhammad Aslam Malik Participated in Spring Workshop On Recent Advances in Graph Theory and Combinatorics, held at Centre for Advanced Studies in Mathematics in collaboration with Abdus Salaams School of Mathematical Sciences, Lahore on February 17, 2012.
- Muhammad Riaz Participated in Spring Workshop On Recent Advances in Graph Theory and Combinatorics, held at Centre for Advanced Studies in Mathematics in collaboration with Abdus Salam School of Mathematical Sciences, Lahore on February 17, 2012.
- Mr. Muhammad Zaeem Ul Haq Bhatti participated in a Conference on Gravitation in Honour of Prof. Dr. Asghar Qadir on 17 December 2011 held at Department of Mathematics, University of the Punjab, Lahore.
- Mr. Muhammad Zaeem Ul Haq Bhatti participated in a Conference, on Gravitation in Honour of Prof. Dr. Asghar Qadir on 17 December 2011 held at Department of Mathematics, University of the Punjab, Lahore.
- Mr. Abdul Jawad participated in a Conference, on Gravitation in Honour of Prof. Dr. Asghar Qadir on 17 December 2011 held at Department of Mathematics, University of the Punjab, Lahore.
- Mr. Muhammad Azam participated in a Conference, on Gravitation in Honour of Prof. Dr. Asghar Qadir on 17 December 2011 held at Department of Mathematics, University of the Punjab, Lahore.
- Mr. Muhammad Azam participated in a Conference, Nust Conference on Mathematical Physics on 17-19, November 2011, Nust CAMP Islamabad, Pakistan
- All Faculty members and M.Phil./MS and Ph.D scholars participate in a Conference, on Gravitation in Honour of Prof. Dr. Asghar Qadir on 17 December 2011 held at Department of Mathematics, University of the Punjab, Lahore.
Research and Development

- All Faculty members and M.Phil./MS and Ph.D scholars participate in the Seminar Series.
- Weekly Departmental Seminar Series are held at Department of Mathematics University of the Punjab, Lahore.
- Each of them delivered lectures on each Wednesday on the topics their latest research.

- Research Journals
  - Punjab University Journal of Mathematics (PUJM, Category X)

RESEARCH COLLABORATION

- Foreign Linkages
  - Department of Mathematics, University of the Punjab, Lahore-Pakistan and School of Mathematical Sciences, University of Sians, Malaysia has signed memorandum of Understanding (MOU) for research collaboration.
  - School of Engineering, Manufacturing and Mechanical Engineering, University of Birmingham, UK.

- Funding Grants for R&D
  - HEC grant scholarships to some of our Ph.D. Scholars.

DEPARTMENT OF PHYSICS

- Research & Development – An Overview
  - Research activities in the Department are going on in various areas including experimental and theoretical Physics in collaboration with other national institutions/organizations namely PINSTECH, INMOL & Shaukat Khanum Hospital, SUPARCO, Govt. College University, CSSP, Department of Meteorology and PCSIR. The main fields of research in theoretical Physics are: Quantum Field Theory, Conformal Field Theory, Condensed Matter Physics, Plasma and Nonlinear Physics. On the other hand, the experiment research includes Material Science, Solid State Physics, Nuclear Physics, Nuclear Medicine, Physics of Semiconductor Devices, Atmospheric Physics, Environmental Pollution & Climatology, and Quantum Wires / Quantum Dots (Nanotechnology). Thirty three (33) research papers have been published in National and Internal Research Journals by the faculty members in the last academic year and many are submitted. A research project is in progress which will definitely be helpful for further research publications.

- Publications
  - Ghulam Murtaza Rai, Muhammad Azhar Iqbal, Yong-bing Xu, Iain Gordon Will and Qasim Mahmood, Room Temperature Ferromagnetism in Ga$_{1-x}$Ho$_x$N ($x$=0.0 and 0.05) Diluted Magnetic Semiconductor Thin Films, Chinese J. Chem Phys 25 (2012) (I.F: 0.692)
- M. A. Iqbal, Fabrication and characterization of Ga1−xHoxN (x=0.0 and 0.05) Diluted Magnetic Semiconductor, Chinese Journal of Chemical Physics 25 (2012) (I.F: 0.692)
- M. Maqbool, S. Muhammad, G. Murtaza, Prof. Dr. Shaukat Ali 5, N. A. Noor, Iftikhar Ahmad, B. Amin;Optoelectronic Response of GeZn2O4 through the Modified Becke–Johnson PotentialChinese Physics Letter 29 (2012) (I.F: 0.8)
- Masood, S. R. Ahmad, S. A. Mahmood, J. Qureshi, H. M. Rafique and M.S. Khan, Surface deformation through fractal analysis of DEM based spatial drainage patterns in Gilgit Baltistan region (Northern Pakistan) Pakistan Journal of Science (Local journal) (2012) I.F:0.64
Mr. Naveed Ahmad Noor, S.M. Alay-e-Abbas, b, 1, Kin Mun Wong, 1, A. Shaukat, Yong Lei (2012) An ab-initio study of the structural, electronic and magnetic properties of half-metallic ferromagnetism in Cr-doped BeSe and BeTe Solid State Science 14 (I.F: 1.9)

Masood yousaf, m. A. Saeed, ahmad radzi mat isa, h. A. Rahnamaye aлиabad, and n. A. Noor (2012) Ab initio study of optoelectronic properties of spinel znal₂o₄ beyond gga and lda J. Mod. Phys. B26 (I.F: 0.4)

N. A. Noor and A. Shaukat, (2012) Ab Initio Study Of Structural, Electronic And Optical Properties of Mg₀cd₀·₀ₓ (X = S, Se, Te) Alloys J. Mod. Phys. B26 (I.F: 0.4)

RESEARCH COLLABORATION

Indigenous
- HEC
- PU
- LUMS

Foreign Linkages
- 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.

DEPARTMENT OF SPACE SCIENCE

Publications
Research Journals


INSTITUTE OF CHEMISTRY

- Research & Development – An Overview
  o Institute of Chemistry is one of the most active institutes 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.

- Publications
  Dr. Makshoof Athar
  o Biosorption of Pb (II) and Cr (III) from aqueous solutions: Breakthrough curves and modeling studies. Environmental Monitoring and Asessement, (2012)
Research and Development

- Insight to rapid removal of Pb(II), Cd(II) and Cu(II) from aqueous solution using an agro-based adsorbent Sorghum bicolor L. biomass, Desalination and Water Treatment, (2012) (Accepted)

**Dr. Munawar Ali Munawar**

- Thyroid retarding effects of dimethyl sulfoxide. Pakistan Journal of Nuclear Medicine, 2, 33-37 (2012).
- The importance of CA125 as predictive tool in ovarian carcinoma. Pakistan Journal of Nuclear Medicine, 2, 27-32 (2012).
- Synthesis of 3-aryl-1H-Indazoles and Their Effects on Plant Growth. J. Plant Growth Regul (online)
- Antimicrobial Activities of Novel Bis-Piperidinium Compounds. Polish Journal of Microbiology, 61(3), 219-221 (2012),

**Dr. Tajamal Hussain**

- Structurally Modified Poly(vinyl alcohol) Ionic Composites as Efficient Humidity Indicators. Polymer Composites. 2012

**Dr. Tariq Mahmud**

Miss Rabia Rehman


Muhammad Salman

- Micro-determination of arsenic in aqueous samples by Image Scanning and Computational Quantification, Analytical Methods, 2012, 4, 242-246
Research and Development

- Toxic and nutritive elements analysis of commercially available tea samples of Pakistan by ICPOES employing microwave digestion, EJEAFChe, 2012, 11(5), 459-468.

Dr. Farah Kanwal

- Inhabitants close to the main roads at the outskirts of MetropolitanCities are exposed more to SOx; Euclalyptus Tree as a Bioindicator, Polish Journal of Enviornmentl studies, 21(2), 2012, 375-379.
- Isothermal and thermodynamic modeling of chromium (III) adsorption by composites of polyaniline with rice husk and saw dust, Journal of Chilean Chemical Society, 57(1), 2012, 1058-1063.
- Comparative adsorption studies of methyl orange using different varieties of melon seeds as adsorbents, Asian Journal of chemistry, 24(6), 2012. 2668-2670.
- Synthesis of highly thermally stable Polypyrrole/carbon nanotubes (Ppy-Cnts) composites with tunable DC conductivity, Asian Journal of chemistry, 24(11), 2012, 5035-503

Dr. Azeem Intisar


**Dr. M. Abdul Qadir**


- Evaluation of trace element composition of aerosols in the atmosphere of Rawalpindi and Islamabad by using radio analytical methods”, J. Applied Radiation and Isotopes, 70, 906-910 (2012). (ISSN: 0969-8043, IF 1.02)

**Dr. Ejaz Ahmed**


**Dr. Ahsan Sharif**


**Dr. Muhammad Rouf Alvi**

**Research and Development**

**Zahoor H. Farooqi**

**Dr. Imtiaz Shafiq**
- FASCAPLYSIN as a Specific Inhibitor for CDK4: Insights from Molecular Modelling, PloS one 7, e42612 (2012).

**Dr. Sadia Ata**
- Optimizing gas chromatographic analysis of non-volatile halogenated acids in drinking water using two-level-factorial experimental design. Desalination and water treatment. 49,pp 34–40. Impact factor: 0.879 DOI:10.1080/19443994..708195
- Biosorptive removal of lead and cadmium ions from aqueous soln, the use of carrot residues as low cost non-conventional adsorbents. Turkish journal of Biochemistry. 37 (3) ; 272–279.
- Synthesis, spectroscopic characterization and antibacterial activities of three Schiff bases derived from dehydroacetic acids with various substituted anilines. Turkish journal of biochemistry. Vol.37, pp 386-391.
- Thermal de-binding study of powder injection molded Fe + 12% Cu using TG/MS. Powder Metallurgy. . DOI- 10.11.1179/1743290111y.0000000023. vol. 55,pp.118-123

**Prof. Dr. Saeed Ahmad Nagra**
- 99mTc labeled levofloxacin as an infection imaging agent: A Novel Method for labeling levofloxacin using cysteine CI as Co-ligand and In Vivo study. Turkish Journal of Chemistry, 36,267-277,2012


• Synthesis of 3-Aryl-1H-Indazoles and their effects on plant growth. J.Plant Growth regul. DOI 10.1007/s00344-012-9297-1


• Conferences, Seminars and Workshops etc.

o A research paper entitled "Detoxification of Acid Blue-W dye from water using chemically modified Pisum sativum peels as biosorbent-a green approach “ was orally presented by Dr. Tariq Mahmud, in the International Conference on Environment (ICENV 2012), 11th -13th December, 2012, Penang, Malaysia, organized by the School of Chemical Engineering, Universiti Sains Malaysia (USM), Penang, Malaysia.

o Oral presentation by Dr. Sadia on "Analysis of Non-Volatile Toxic Heavy Metals (Cd,Pb,Cu,Cr,Zn) in ALLIUM SATIVUM (Garlic) and Soil Samples, Collected From Different Locations of Punjab, Pakistan By Atomic Absorption Spectroscopy in the 16th International Conference on heavy Metals in Environment. Rome, Italy.23-27 September, 2012.


RESEARCH COLLABORATION

• Indigenous

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

o PCSIR, Ferozpur Road, Lahore.

o HEJ, Karachi.

o PINSTECH, Islamabad.

o NIBJI, Faisalabad.

o ANMOL, Lahore.
INSTITUTE OF GEOLOGY

• Research & Development – An Overview
  o The Institute of Geology is one of the earliest departments of the Punjab University, providing the trained indigenous workforce equipped with strong academic background in natural resources exploration and related issues. 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 blends theory, observation, laboratory studies and integration of 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 geosciences, 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.

• Projects (i) Completed
  During the report period following research projects have been carried out and completed by the faculty members at the Institute.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Projects Title</th>
<th>Investigator</th>
<th>Amount (Rs. Million)</th>
<th>Sponsoring Agency</th>
<th>Duration (years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Application of Advanced Oxidation Processes (AOPs) to Bleach Textile Substrate.</td>
<td>Prof. Dr. Nasir Ahmad</td>
<td>0.25</td>
<td>University of the Punjab, Lahore</td>
<td>01</td>
</tr>
<tr>
<td>2.</td>
<td>Biostratigraphy of Chorgali Formation, Potwar Area, Northern Pakistan.</td>
<td>Dr. Shahid Jamil Sameeni</td>
<td>0.2</td>
<td>-do-</td>
<td>01</td>
</tr>
<tr>
<td>4.</td>
<td>Sedimentology of the Early Eocene Nammal Formation, Central Salt Range, Pakistan.</td>
<td>Dr. Shahid Ghazi</td>
<td>0.15</td>
<td>-do-</td>
<td>01</td>
</tr>
</tbody>
</table>

(ii) Newly Launched

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Projects Title</th>
<th>Investigator</th>
<th>Amount (Rs. Million)</th>
<th>Sponsoring Agency</th>
<th>Duration (years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Evaluation of indirect methods for the determination of Uniaxial compressive strength of tertiary limestones.</td>
<td>Prof. Dr. M. Saeed Farooq</td>
<td>0.250</td>
<td>University of the Punjab, Lahore</td>
<td>01</td>
</tr>
<tr>
<td>2.</td>
<td>Biostratigraphy of the Upper Paleocene Lockhart Limestone of Kala Chitta Area, Northern Pakistan.</td>
<td>Dr. Shahid Jameel Sameeni</td>
<td>0.20</td>
<td>University of the Punjab, Lahore</td>
<td>01</td>
</tr>
<tr>
<td>3.</td>
<td>Application of Geographic Information System and remote sensing for spatial distribution of estimated above ground biomass</td>
<td>Dr. Sajid Rashid Ahmad</td>
<td>0.150</td>
<td>University of the Punjab, Lahore</td>
<td>01</td>
</tr>
</tbody>
</table>
### Research and Development

#### Sr. No. | Projects Title | Investigator | Amount (Rs. Million) | Sponsoring Agency | Duration (years)
--- | --- | --- | --- | --- | ---
1 | (AGB) for carbon stock in Ayubia National Park, KPK, Pakistan. | | | | |
4. | Depositional Framework for Upper Cretaceous Rocks Exposed North of Nathiagali Thrust, Hazara NW Lesser Himalayas, Pakistan. | Dr. Naveed Ahsan | 0.150 | University of the Punjab, Lahore | 01 |
5. | Sedimentology of the Lower Eocene Sakesar Limestone, Salt Range, Pakistan. | Dr. Shahid Ghazi | 0.70 | Pakistan Science Foundation | 03 |
6. | Sedimentology of the Early Eocene Sequence, Central Salt Range, Pakistan | Dr. Shahid Ghazi | 0.150 | University of the Punjab, Lahore | 01 |
7. | Carbonate Microfacies Analysis and Diagenetic Framework of the Paleocene Lockhart Limestone Nammal Gorge, Western Salt Range, Pakistan. | Dr. Abdur Rauf Nizami | 0.150 | University of the Punjab, Lahore | 01 |
8. | Correlation of mineral and mechanical properties of Salt Range Rocks | Dr. Sohail Akram | 0.150 | University of the Punjab, Lahore | 01 |
9. | Sedimentology and Biostratigraphy of the Paleocene Lockhart Limestone of Jabri Area, Hazara, Northern, Pakistan. | Mr. Adnan Abdul Karim | 0.125 | University of the Punjab, Lahore | 01 |
10. | Identification and Evaluation of Stream Sediments for Construction Materials of Potwar Region, Pakistan. | Mr. Rana Ammad Bin Sadiq | 0.125 | University of the Punjab, Lahore | 01 |
11. | Subsurface Structural Interpretation of Mayal Area, North Potwar Deformed Zone (NPDZ) and Fracture Analysis of Sakesar Limestone, Potwar Area, Pakistan. | Mr. Muhammad Armaghan Faisal Miraj | 0.125 | University of the Punjab, Lahore | 01 |
12. | Estimation of Arsenic concentration in ground water in the selected areas of Rachna-Doaab, Northern Punjab, Pakistan. | Mr. Muhammad Sanaullah | 0.125 | University of the Punjab, Lahore | 01 |
13. | Sedimentology and Biostratigraphy of the Paleocene Lockhart Limestone of Jabri Area, Hazara, Northern Pakistan. | Ms. Sidra Sana | 0.125 | University of the Punjab, Lahore | 01 |

### Publications

Following research papers have been published by the faculty members during the report period.
**Dr. Shahid Jamil Sameeni**


**Dr. Sajid Rashid Ahmad**

- Ahmad, S.R. (2012). Surface Deformation through Fractal Analysis of DEM Based Spatial Drainage Patterns in Gilgit Baltistan Region (Northern Pakistan), Pakistan Journal of Science, 64 (2) 163-172.
Dr. Abdur Rauf Nizami

Dr. Mian Sohail Akram

- Conferences, Seminars and Workshops etc.
  - Dr. Shahid Jamil Sameeni attended a World Conference on Paleontology & Stratigraphy 2011, at Nakhon Rachitama, Thailand from November 30 to December 2, 2011 to present a paper titled “Paleocene-Eocene Boundary in Kohat Potwar Area, Northern Pakistan”

- Research Journals
  - Institute of Geology publishes an annual research journal “The Geological Bulletin of the Punjab University” up-coming vol. 48 is under process.

RESEARCH COLLABORATION

- Indigenous
  - MoU for collaborative research with department of Geological Engineering, University of Engineering & Technology, Lahore
  - 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 Forecast and Warning Department, Swedish Meteorological and Hydrological Institute, Sweden.
  - M/S Thies, Germany
Funding Grants for R&D

Following faculty members of the Institute of Geology got funding from Pakistan Science Foundation (PSF) against the following research projects.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Projects Title</th>
<th>Investigator</th>
<th>Amount (Rs. Million)</th>
<th>Sponsoring Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sedimentology of Petroleum bearing carbonate rocks of Paleocene age Kohat, Potowar area of Upper Indus Basin.</td>
<td>Dr. Nazir Ahmad</td>
<td>0.7</td>
<td>Pakistan Science Foundation (PSF)</td>
</tr>
<tr>
<td>2</td>
<td>Sedimentological Studies of the Lower Eocene Sakesar Limestone Salt Range Pakistan</td>
<td>Dr. Shahid Ghazi</td>
<td>0.535</td>
<td>-do-</td>
</tr>
</tbody>
</table>

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Research & Development – An Overview

- In order to promote the research culture and activities, a research advisory committee has been constituted, which is responsible for setting up guidelines pertaining to MPhil and PhD degree programs, as well. Furthermore, research labs in the following areas have been established:
  - Computer Vision
  - Robotics
  - Parallel and Distributed Computing
  - Open Source Software Development
- The above mentioned labs are being used for conducting research, by the graduate students.

Books

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Faculty Member</th>
<th>Title of Book</th>
<th>Year of Publication</th>
<th>Name of Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Syed Waqar ul Qounain</td>
<td>Analysis and Validation of Models for Trust Dynamics</td>
<td>Dec 2011</td>
<td>VU University Amsterdam</td>
</tr>
<tr>
<td>2</td>
<td>Aasim Ali</td>
<td>Urdu Text to Speech System for Android</td>
<td>Dec 2011</td>
<td>VDM Verlag Dr. Muller</td>
</tr>
<tr>
<td>3</td>
<td>Muhammad Idrees</td>
<td>Enhancement of Throughtput in AODV usip relative Mobility of Nodes</td>
<td>Dec 2011</td>
<td>Lambert</td>
</tr>
</tbody>
</table>

Conferences, Seminars and Workshops etc.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Author</th>
<th>Conference Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Faisal Aslam, Jonathan &amp; L. Gross</td>
<td>Rethinking Java Call stock design for tiny embedded devices, Conference ACM LCTES</td>
</tr>
</tbody>
</table>
Seminars arranged by the Department:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Speaker</th>
<th>Seminar</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mr. Fareed ul Hassan</td>
<td>Parallel Image Rectification for Geo Spatial Analysis</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Muhammad Atif</td>
<td>Introduction to Formal Methods</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Mohammad Reza Mousavi</td>
<td>Mechanized Bug Hunting in Wireless Networks</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Imran Farid Khan and Dr. Mehwish Irfan Poshni</td>
<td>Introduction to topological graph theory with a special focus on genus distributions</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Fawaz Bukhari</td>
<td>Routing and Channel Assignment Schemes for Interference Avoidance in Wireless Mesh Networks</td>
</tr>
</tbody>
</table>

- Research Journals

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Author</th>
<th>Title of Paper/Article</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Mehwish Irfan Poshni</td>
<td>Genus Distributions of Graphs under self-edge amalgamation</td>
</tr>
<tr>
<td>3.</td>
<td>Imran Farid Khan</td>
<td>Genus Distributions of Graphs under self-edge amalgamation</td>
</tr>
<tr>
<td>4.</td>
<td>M. Akram and Al-Shehrie</td>
<td>Bipolar fuzzy Lie Ideals</td>
</tr>
<tr>
<td></td>
<td>M. Akram and B. Davvaz</td>
<td>strong intuitionistic fuzzy graphs</td>
</tr>
<tr>
<td></td>
<td>W. Chen, M. Akram &amp; Guan Y.</td>
<td>Intuitionistic fuzzy subcoalgebras</td>
</tr>
<tr>
<td></td>
<td>Akram M. and W. Chen</td>
<td>Generalized anti fuzzy Lie algebras Utilitas</td>
</tr>
<tr>
<td></td>
<td>Chen, W. and M. AKRAM</td>
<td>Fuzzy subcoalgebras and Fuzzy Subcomodules</td>
</tr>
<tr>
<td></td>
<td>Chen, W. and M. AKRAM</td>
<td>Anti Fuzzy Structures on Graphs</td>
</tr>
<tr>
<td></td>
<td>Lin Y., Akram M. and Zhan</td>
<td>Characterization of regular ordered semigroups in terms of new fuzzy ideals</td>
</tr>
<tr>
<td></td>
<td>Li, H., Akram M. and Yin, Y</td>
<td>R-valued ideals of ordered hemirings</td>
</tr>
<tr>
<td></td>
<td>Akram M., Karunambigai, M.G. and Kalaivani O.K</td>
<td>Some metric aspects of intuitionistic fuzzy graphs</td>
</tr>
<tr>
<td>5.</td>
<td>M. Shahid Farid et. Al</td>
<td>An image composition algorithm for handling global effects</td>
</tr>
<tr>
<td>7.</td>
<td>M. Kamran Malik</td>
<td>Impact of Domestic &amp; External Debt on the Economic Growth of Pakistan</td>
</tr>
</tbody>
</table>
SCHOOL OF PHYSICAL SCIENCES

• Research & Development – An Overview
School of Physical Sciences contains state of the art equipments in the field of physical, biochemical and molecular sciences placed at SPS building and list of this equipments is following:
  o X-Ray Diffractometer, HPLC system, PCR machine, Gas Chromatograph, Food and Beverage Analyzer, CHNS Analyzer, Gel electrophoresis system for DNA and Proteins, Temperature controlled incubators, Keithley Semiconductor Characterization System, Precision Impedance Analyzer, Automatic Weather Station, UV Spectrophotometer, Rotatory Evaporator, High speed centrifuge and Karlfisher titration analyzer, Gerhardt Kjeldatherm Digestion system and Vapodest distillation titration system.
  o Above equipments are available for the researchers to carry out research in their designated fields. Standard Operating Procedures have been prepared to use these equipments.

• Publications

• Conferences, Seminars and Workshops etc.
School of Physical Sciences has organized different conferences and workshops in collaboration with ORIC and details are given below:
  o 1st Training for young Researchers/Students on HPLC on November 10th, 2012.
  o 2nd Training for your Researchers/Students on PCR Technology on 2nd February, 2013.
  o 3rd Training for young Researchers/Students on HPLC on March 30th, 2013.
These workshops were attended by scientists and students from different Universities which included:
University of the Mansehra, KPK.
- University of Faisalabad.
- Lahore College University, Lahore.
- Kinnaird College, Lahore.
- GCU, Lahore.
- University of the Punjab, different departments.

RESEARCH COLLABORATION

- Indigenous

School of Physical Sciences has developed research collaborations with scientific community of different other organization which included:
- University of the Punjab different Departments.
- University of Health Sciences, Lahore.
- University of Education, Lahore.

PUNJAB UNIVERSITY GUJRANWALA CAMPUS

- Research & Development – An Overview
  - The faculty members at the Gujranwala Campus have got their seven papers published in national and international journals and they also participated in one national and international conferences.

- Publications
  - U.Asghar, S. Haider,. S. Naseer, O. Ateeb” A study of the Novel Approaches Used in Intrusion Detection and Prevention Systems” Published in International Journal of Information and
Education Technology (IJIET) volume 1 number 5 page number 426 December 2011


- Conferences, Seminars and Workshops etc.
  - Prof. Dr. Mr. Muhammad Ehsan Malik, Muhammad Mudassar Ghafoor, Hafiz Kashif, Leadership and Personality Traits as Antecedents of Organizational Citizenship Behavior (OCB) in Banking Sector of Pakistan” accepted for presentation at the EBES 2012 Istanbul Conference. The Conference was held on May 24th. 25th. & 26th. 2012 at the Taksim Nippon Hotel, In Istanbul Turkey.

**PUNJAB UNIVERSITY JHELUM CAMPUS**

- Publications:
  - Research Paper on "Effects of Motivational Factors on Teacher Job Satisfaction: A Study of public sector degree Colleges of Punjab" by Muhammad Nadim Lecturer Punjab University Jhelum Campus.
  - Research Paper on "Market efficiency in its weak forms: Evidence from Karachi Stock Exchange of Pakistan" by Muhammad Nadim Lecturer Punjab University Jhelum Campus