

Annual Report 2013-14



University of the Punjab
Lahore – Pakistan

UNIVERSITY OF THE PUNJAB

Annual Report 2013-2014

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Professor Dr. Mujahid Kamran
Vice Chancellor



INTRODUCTION



INTRODUCTION

Established in 1882 at Lahore, the University of the Punjab is the largest and the oldest seat of higher learning in Pakistan. It was the first teaching University to be established in the sub-continent and has to date 3 Nobel laureates among its alumni.

Allama Iqbal Campus, with a more traditional architectural design, named after the great South Asian philosopher and mystic poet, is in the middle of the bustling city of Lahore.

Quaid-i-Azam campus, named after the Father of the Nation, is located 12 kilometers to the South of Allama Iqbal campus. Extending over an area of 1800 acres of lush green landscape, this Campus is the centre of academic and administrative activities of the University. A canal divides the academic blocks from the student lodgings and adds to the beauty of the Campus.

The University also has a Summer Campus at Khanspur, located at 2,500m above sea level in the Himalayan range in the Murree Hills. This Campus, in addition to providing research facilities, is also used as a recreational spot for the faculty and the students.

The University has established a new Campus at Gujranwala with four disciplines, namely, Business Administration, Commerce, Law and Information Technology. The University has also established a new Campus at Jhelum with four disciplines, namely, Computer Science, Business Administration, Commerce and Law. The Jhelum campus owes its existence to the visionary leadership of the Chief Minister Punjab Mr. Muhammad Shahbaz Sharif, on whose direction, the entire campus, including newly built buildings, were handed over to the University of the Punjab. A few more disciplines will be added in the near future in both campuses.

The University comprises 5 campuses, 13 Faculties, 10 Constituent Colleges, 73 Departments, Centres, Institutes, Schools and also 617 Affiliated Colleges. It has 1109 permanent and contract faculty members involved in teaching/research and over 36,948 on campus students. Annually the University conducts about 305 exams for more than 500,000 students.



Chapter

1

ACADEMIC ACTIVITIES

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



CHAPTER

1

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

Telephone (s): +92-42-99231143

Fax Number (s): +92-42-99232039

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

- **MS and PhD Programmes**

In the year 2014, 19 new M.Phil and 07 new Ph.D Students were enrolled at the Centre for South Asian Studies.

- **Academic Achievements**

- **M.Phil.**

Following student completed his M.Phil during 2013-14 and his result notification is issued by the University of the Punjab, Lahore:

| Sr. No. | Name of Scholar | Session of M.Phil |
|---------|------------------|-------------------|
| 1 | Mudassar Shakeel | 2006-08 |

- **Ph.D.**

The Viva-voce examination of the following Ph.D. Scholars were held successfully and their Ph.D. notification has been issued by the University of the Punjab, Lahore.

| Sr. No. | Name of Scholar and Session | Year Ph.D Awarded |
|---------|-----------------------------|-------------------|
| 1 | Farhat Nasreen | 2013 |
| 2 | Rubina Kaukab | 2014 |
| 3 | Imrana Mushtaq | 2014 |
| 4 | Tauqeer Ahmad | 2014 |
| 5 | Muhammad Shahid Soroya | 2014 |
| 6 | Maliha Shamim | 2014 |
| 7 | Naheeda Khaton | 2014 |
| 8 | Syed Shahbaz Hussain Shamsi | 2014 |

- **Institutional linkages**

Centre for South Asian Studies, University of the Punjab, Lahore has signed a MOU with Lahore Chamber of Commerce on 14-05.2014.



COLLEGE OF ART & DESIGN

Telephone (s): +92-42-99212729, 99212779, 99213593

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

- **Undergraduate and Postgraduate Programs**

- BFA
- B. Arch
- MA (Painting)
- MA (Musicology)
- MFA
- M. Arch

- **MS and PhD Programs**

- MS Art History
- M. Phil Fine Arts
- PhD Fine Arts

- **Academic Achievements**

- Miss Mamoon Khan a PhD candidate was declared successful. Her thesis was completed under the supervision of Dr. Shaukat Mahmood, HEC Professor, UCAD. The topic of her thesis was “The Aesthetics of Islamic Art in Timurid and Safawid Painting”.
- Ms Muzna Matloob Khan an M.Phil candidate was declared was successful. Her thesis was completed under the supervision of Prof. Dr. Mahmood Hussain, HEC Professor, UCAD. The topic of her thesis was “Documentation of the Lesser Known Monuments of Multan”.
- Ms Ghulam Ghausia an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Naseem Akhtar Said, Professor (on contract), UCAD. The topic of her thesis was “Cultural Reflection of the Punjab in the Painting of Ustad Allah Bakhsh”.
- Ms Dhoufishan Raza Naushahi an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri, Principal, NCA, Lahore. The topic of her thesis was “Expression of Inner Self through Shapes”.
- Ms Sumera Jawad a Ph.D. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri and Prof. Dr. Shaukat Mahmood. The topic of her thesis was “Woman’s Image: An Everlasting Journey”.
- Ms Nomera Adil an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri. The topic of her thesis was “Ecstasy and its Connection to Islamic Motifs”.
- Ms Hina Afzal an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri. The topic of her thesis was “Geometrical Representation of Polarity in European and Islamic Art”.



- Ms Ayesha Siddiqi a Ph.D. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri and Prof. Dr. Shahida Manzoor. The topic of her thesis was “Evolution of Geometric Forms in Western and Pakistani Painting: An Introvert Artist’s Approach”.
- Ms Samina Zaheer a Ph.D. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri and Prof. Dr. Shaukat Mahmood. The topic of her thesis was “The Impact of Indigenous and Transcultural Influences on Contemporary Fine Art Practice in Pakistan”.
- Ms Anbrin Zafar a Ph.D. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Murtaza Jafri and Prof. Dr. Shahida Manzoor. The topic of her thesis was “Irony as a Relevant Device of Expression in Contemporary Fine Arts Practice”.
- Ms Kiran Nisar an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Rahat Naveed Masud. The topic of her thesis was “A Survey of Puppetry in Lahore”.
- Ms Zainab Mahmood an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was “Decorative Features of Naulakha Pavilion of Lahore Fort”.
- Ms Anum Imtiaz an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was “Haircut Designs on Camels of Cholistan”.
- Ms Muniba Said an M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Nasim Akhtar Said. The topic of her thesis was “Shape and Grammar of the Harappa Pottery”.
- 20 M.Phil, 9 PhD students are enrolled this year in the Research Centre. All the students are actively engaged in their course work.
- Research Topics have been assigned by the DDPC in Fine Arts to 11 M.Phil and 5 MS in Art History candidates for the session 2013-15.
- Six months extension in the research period granted by the worthy Vice-Chancellor to MS and M.Phil candidates for the session 2012-14.
- **Honours and Awards**
 - The students of College of Art & Design won Calligraphy, Painting and Kite Making competitions in Youth Festival held in the Month of November, 2013.
- **Institutional Linkages**
 - The College of Art & Design holds institutional linkages with National College of Arts, University of Gujrat and Pakistan Institute of Fashion & Design as the faculty members of these Institutes are included in the Board of Studies of the College.



- The jurors of the Thesis Display of students are invited from LUMS, NCA and COMSATS.

DEPARTMENT OF ARCHAEOLOGY

Telephone (s): +92-42-99230322

Fax Number (s): +92-42-99230328

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

- **Undergraduate and Postgraduate Programmes**
 - M.A Archaeology (2 Years Programs)
- **MS and PhD Programmes**
 - M.Phil Archaeology (4 Semesters)
- **Academic Achievements**
 - 25 students secured first division in M.A Archaeology Part-I Session 2013-15 and Part-II Session 2012-2014.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Telephone (s): +92-42-99231168

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

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

- **Undergraduate and Postgraduate Programmes**
 - Master of Arts in English (Morning & Replica)
 - Postgraduate Diploma in English Language Teaching (PGD-ELT)
 - Diploma in Linguistics
 - Spoken English Certificate
- **MS and PhD Programmes**
 - Ph. D in English
 - Master of Philosophy in English
- **Academic Achievements**
 - The Following M. Phil scholars completed their degrees:
 - Ali Akhtar Butt: *“Language Socialization” via Neologisms in Roald Dahl’s Fiction* (2011 - 2013).
 - Samira Mumtaz: *The Framing Technique in the Poetry of Shadab Zeest Hashmi* (Session 2003-2005, completed in 2014).
- **Foreign Academic Linkages**
 - St. Andrews University, Scotland
- **Institutional Linkages**
 - St. Andrews University, Scotland



DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

Telephone (s): +92-42-35293858

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

- **Undergraduate & Post graduate programs**

- M.A. in French

- **Specializations in French Studies at Masters level**

The French department modified the existing Master program by introducing latest new initiatives, keeping in mind the current trends in the domain of foreign languages and literature vis-à-vis the growing needs of our society. In this regard, eight areas of specializations are being introduced in the final semester of this programme. Each specialized field offers at least three courses covering the most significant and practical aspects of that domain. The students, who will prefer working on theoretical concepts and have a stronger inclination towards developing professionalism through theoretical modules instead of a research project, may study any four areas of specializations of their interest given below. The courses offered under each category are also mentioned:

- **French for Literary and Comparative Studies**

- Modern Novel
- Modern Poetry
- Comparative Studies

- **French for Arts and History**

- Modern History
- Major movements through Arts
- Traditional and Islamic Art

- **French for Media Studies**

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

- **French for Cultural and Social studies**

- Social Conflicts
- Societal Change and Evolution
- Cross-cultural Studies

- **French for Islamic Studies**

- French Muslim Scholars' Contribution
- Pioneers of Islamic Movements (in Europe, Middle East and Indian Sub-continent)
- Islamic Mystic Literature

- **French for Interpreters**

- Translation Studies



- Interpretership Skills
- Translation practical
- **French for Business Studies**
 - Human Resource Management
 - Marketing
 - Business Management
- **French with Soft skills**
 - Anger Management : Understanding Others
 - Conflict Resolution : Dealing with difficult People
 - Delegation : The Art of Delegating Effectively
 - Problem Solving & Decision Making
 - Public Speaking : Speaking under pressure
 - Stress Management and Workplace harassment
- **Research oriented courses in last two semesters**
 - In the last two semesters of Masters programme, the students interested in conducting research, will be oriented towards scientific writing and methodologies, introduction and conception of research projects. They will work on a relevant topic of dissertation for their research project besides familiarizing themselves with any two areas of specializations of their choice from the eight fields of specializations as mentioned above.
- **M.Phil programme in French**
 - Introduction of M.Phil in French programme is another important milestone crossed by the French department. After detailed deliberations and due approval from the statutory bodies of the University, the programme was finally launched in 2014. For the first time in the history of French department, the entry Test/ interview of M.phil program was conducted. The students' enthusiastic participation has been observed. The department is offering an opportunity to those who cannot go abroad for higher education. Thus students will benefit from the foreign qualified faculty and the courses designed according to the latest modern trends.
- **Academic achievements**
- **Graduate programme : Honors with major in French**
 - Another great achievement in academics at the French department during 2013 is the successful launching of the four years (eight semesters) BS / Honors program with major in French. Admissions to the first batch of BS were successfully carried out for the academic session 2013-2014.
- **1500 % increase in the enrollments in degree programmes**



- Alhamdulillah, it is indeed a great and unique moment to witness in the history of the Department of French: Stepping into its 64th successful and historical year, the department has evolved tremendously with strong futuristic vision and the tireless efforts of its academic team under the headship of Dr. Saléha Nazeer. For the first time in history, an incredible enrollment of students in degree programmes in French has marked a milestone of **1500 percent** increase as compared to the number of students admitted in degree courses in the previous years. Going through transformation and growth, Dr. Saléha Nazeer, after her successful return from abroad a few years back, focused on strengthening the academic programmes of the department. The department thus aims to provide quality education and training to its graduates so that they prove their excellence and talent once they join the educational, industrial or social sectors of the society.
- **Foreign academic linkages**
 - Continued affiliation with Alliance Française d’Islamabad and Embassy of France in French studies and training programmes / conferences etc.
- **Honours & Awards:**
 - In 2014, Dr. Saleha Nazeer received Performance Award by the University of the Punjab.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

Telephone (s): +92-42-99231170
Fax Number (s): +92-42-35852959
E-mail Address (s): chairman.history@pu.edu.pk

DEPARTMENT OF PHILOSOPHY

Telephone (s): +92-42-99230884
Fax Number (s): +92-42-99230298
E-mail Address (s): chairman.phil@pu.edu.pk

- **Undergraduate and Postgraduate Programmes**
 - BS (4-Years) Philosophy
 - M.A. Philosophy (2-Years Program)
- **MS and PhD Programmes**
 - 3. M.Phil in Philosophy (2Years Program) & Ph.D Program
- **Academic achievements**
 - Admissions to all academic programs were successfully made.
 - Examinations to all the academic programs were timely conducted and
 - Results were also announced well within stipulated time.



PAKISTAN STUDY CENTRE

Telephone (s): +92-42-99231148

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

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

Pakistan Study Centre, University of the Punjab, Lahore started functioning as a separate unit in 2002. The Centre is running two academic programmes i.e. Ph.D. and M. Phil. in Pakistan Studies. The Centre has been regularly organizing International Conferences, Seminars and Special Lectures on issues of national and international importance. Publication of research works on issues relating to Pakistan in shape of books, a bi-annual research journal 'Pakistan Vision' is also given top priority.

- **Undergraduate and Postgraduate Programmes (for the year 2013-14 in text)**
- **MS and PhD Programmes (for the year 2013-14 in text)**
 - M. Phil. and Ph.D. (Pakistan Studies) programmes were launched by the Centre in 2005 and 2008 respectively.
 - During the period under study the admission processes for the two sessions of Ph.D. (Pakistan Studies) and one session of M. Phil. (Pakistan Studies) were completed. 11 PhD and 30 M. Phil. students were admitted in academic session 2014-15.
 - Criteria for admission in both programmes set by HEC and Punjab University was strictly followed.
- **Academic Achievements**
- **PhD (Pakistan Studies) SESSION 2008**
 - Ms. Naumana Kiran was granted PhD degree after successfully defending her thesis titled '*The Federal Cabinet in Pakistan: Formation and Working 1947-1977*' and her public defence was held in October 2013. The research was conducted under the supervision of Prof. Dr. Massarrat Abid.
 - Prof. Zahida Suleman was granted PhD degree after successfully defending her thesis titled '*Maulana Zafar Ali Khan: A Study in Political Leadership*' and her public defence was held in October 2013. Prof. Dr. Massarrat Abid was the supervisor.
- **PhD (Pakistan Studies)**
 - The synopses of two PhD research students; of Ms. Salma Iqbal and Ms. Asiya Saif Alvi were submitted and approved by Advanced Studies and Research Board, University of the Punjab, Lahore.
- **Foreign Academic Linkages**
 - Under exchange of faculty programme, eminent foreign professors visited the Centre and delivered the lectures. These include:



- Prof. Bhavna Mehta of Maharaja Sayajirao University, Baruda, India visited the Centre and delivered a lecture.
 - Prof. Dr. Pippa Virdee, DeMontfort University, United Kingdom visited the Centre and delivered a lecture.
 - Prof. Dr. Anna Bochkovskaya from Moscow State University, Russia visited the Centre and delivered a lecture.
 - Prof. Dr. Sun Hongqi, Director Pakistan Research Centre, Jiangsu Normal University, China visited the Centre and delivered a lecture.
 - Prof. Dr. Bettina Robotka, Institute of Asian and African Studies, Humboldt University of Berlin, Germany Dr. Madeline Amelia Clements, University of East London, UK visited the Centre and delivered a lecture.
 - Prof. Zhou Rong, Professor of International Relations, Jiangsu Normal University, China visited the Centre and delivered a lecture.
 - Prof. Dr. Piotr Balcerowicz of University of Warsaw, Poland and Dr. Agnieszka Kuszewska of Warsaw School of Social Sciences, Poland visited the Centre and delivered a lecture.
- **Institutional Linkages**
 - The Centre has developed an exchange of publications programme with different national and international research organizations. Under the programme, the library of the Centre is receiving more than 20 research journals covering a vast field of subjects.

RESEARCH SOCIETY OF PAKISTAN

Telephone (s): +92-42-99231176

Publications of Books

- Research Journal**
- (i) Published in July – December 1012
 - (ii) January to June 2013
 - (iii) July to December 2013

Books Reprinted

- (i) The Emergence of Pakistan
- (ii) The Land Mark of Pakistan

Book Printed

- (i) Pakistan Movement
Muslim League – Congress and the British
- (ii) Pakistan Challenges to Democracy Governance and National Unity

Books Under Print

- (i) The Construction of Pakistan Christian Identity
(John’O Brien)
- (ii) Communalism in India



(The Role of Hindu Mahasabna)
Qalb-i-Abid & Massarrat Abid

Name of Books in the Library

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

Name of Publication

Titled of Books so far books published by the Research Society of Pakistan 111 Books.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

Telephone (s): +92-42-35952991, 35952993

Fax Number (s): +92-42-35952993

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

• **Undergraduate and Postgraduate Programmes**

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



- Directorate of Women Development , Punjab
- Women Empowerment Group

DEPARTMENT OF POLITICAL SCIENCE

Telephone (s): +92-42-99231229

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

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

• Undergraduate and Postgraduate Programs

- BS (Hons.) 4 Yrs. Program (Political Science)
- M.A. Political Science
- M.A. International Relations
- M.A. Diplomacy & Strategic Studies

• MS and Ph.D. Programs

- M.Phil. (Political Science)
- M.Phil. (International Relations)
- Ph.D. (Political Science)
- Ph.D. (International Relations)

• Honors and Awards

- Prof. Dr. Umbreen Javaid Awarded “Best University Teacher Award 2011” by Higher Education Commission (HEC), Islamabad 2013.

DEPARTMENT OF SOCIAL WORK

Telephone (s): +92-42-99231553

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

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

• Academic Activities

- In the reporting period, the Department is offering M.Sc. Social Work Programme in Morning and Replica classes and MPhil Programme in Regular class. It has also initiated its PhD (Social Work) Programme this year.
- Department has linkages with the following organizations.

AT NATIONAL AND INTERNATIONAL LEVEL

- UNICEF
- UNDP
- Community World Services (CWS)
- PLAN PAKISTAN
- Devolution Trust for Community Empowerment (DTCE)



- SOS-RSP
- SPDC-Karachi,
- SDPI
- Ministry of Law, Justice and Human Rights, Govt. of Pakistan
- Directorate General of Labour Welfare, Govt. of the Punjab
- Gender Reform Action Plan (GRAP)
- Social Protection & Zakat-o-Usher Department, Govt. of the Punjab (Social Welfare, Women Development & Bait-ul-Maal)
- Child Protection & Welfare Bureau, Govt. of the Punjab
- Planning & Development Department Govt. of the Punjab
- Bureau of Statistics, Govt. of the Punjab
- Directorate of Special Education etc.
- Punjab Trust for welfare of disabled (PTWD) Govt. of the Punjab.
- Action Aid Paleist.
- SPO (Strengthening Participatory Organization)
- CDA (Chanan Development Association)

INSTITUTE OF COMMUNICATION STUDIES

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

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

- **Undergraduate and Postgraduate Programmes (BS 4 Years program)**
 - The Institute offers BS (4 Years) Program in Communication Studies.
- **PGD Program**
 - The Institute also offers Post Graduate Diploma Courses in following areas.
 - PGD in Development Support Communication
 - PGD in Multi Media Production Arts
 - PGD in Television Communication & Production
- **Master Programs**
 - The Institute offers M.Sc Communication Studies in following area which includes:
 - M.Sc Communication Studies (Morning Program) with three specializations:
 - Communication Theory and Print Media
 - Public Relations and Advertising
 - Electronic Media (Radio & Television)
 - M.Sc Communication Studies (Replica Program) with three specializations:
 - Communication Theory and Print Media
 - Public Relations and Advertising



Electronic Media (Radio & Television)

- M.Sc Communication Studies (Development Journalism) Evening Program
- M.Sc Communication Studies (Film and TV Production) Evening Program

- **M.Phil and Ph.D Programs**

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

- **Academic Achievements**

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

- **Foreign Academic Linkages**

- The Institute has signed a MOU with Oslo University College, Norway

- **Honors and Awards**

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

- **Institutional Linkages**

At national level

- The Institute of Communication Studies has linkages with PTV, ATV, ARY, GEO, AAJ TV, Dunya News, Apna TV, Indus, City 42, FM 104.6, FM.100, FM 101, Daily News, Daily Nation, Daily Dawn, Daily Times, Daily Post, Daily Sun, Daily Jang, Daily Nawa-i-Waqt, Daily Khabrain, Daily Pakistan, Daily Insaf, Daily Express, Daily Jinnah, Daily Awaz, Daily Ausaf, Daily Dunya, Midas Public Relations and PEMRA

- **At international level**

- The Institute of Communication Studies has linkages with UNISEF, UNESCO, Inter News, DW (Germany), Gulf News (Qatar), Oslo University College, Norway.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

Telephone (s): +92-42-99231231

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

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

- **Undergraduate and Postgraduate Programmes**

- BS (4 years) Sociology & Sociocultural Studies (Regular)
- BS (4 years) Sociology & Sociocultural Studies (Replica/Self-Supporting)
- MSc Sociology (Regular)
- MSc Sociology (Replica Self-Supporting)
- M.Sc Development Studies (Regular)



- M.Sc Development Studies (Replica Self-Supporting)
- MSc Population Sciences (MPS) (Afternoon/Self-Supporting)
- MSc Criminology & Security Studies (Evening/Self-Supporting)
- **M.Phil. and PhD Programmes**
 - M.Phil Sociology (Regular)
 - M.Phil Sociology (Replica)
 - M.Phil Education Policy & Development (Regular)
 - M.Phil Education Policy & Development (Replica)
 - M.Phil Public Health (Evening)
 - Ph.D Sociology
 - Ph.D Public Health (Evening)
- **Academic Achievements**
 - The ISCS has started a new program of M.Phil Public Health with the academic assistance of School of Public Health, Bielefeld in September 2014.
- **Foreign Academic Linkages**
 - Linkages with Belfield University, Germany
 - Student Exchange with University of Erfurt, Germany during summer 2013.
- **Institutional Linkages**
 - National Centre for Resettlement and Rehabilitation in Collaboration with World Bank.
 - Centre for Peace and Security Studies
 - Sughra Begum Center for Educational Policy & Development in collaboration with PEP Foundation in New York, USA.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

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

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

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

- **Undergraduate and Post-Graduate Programs**

- **Undergraduate Programs**

- **BBA (Hons.)** – Four Years Program in the Morning on Regular basis in the following disciplines:
 - Banking & Finance
 - Insurance & Risk Management

- **Postgraduate Programs**

- **MBA** Program 3.5 Years Regular Morning & Evening in the following disciplines:



- Banking & Finance
- Insurance & Risk Management
- **MS and Ph. D Programs**
 - MS / MBA Programs to students after their BBA (Hons.) Program in the following disciplines:
 - Banking & Finance
 - Insurance & Risk Management
 - These are regular programs being offered in the morning. At present we are not offering any Ph.D Program.
- **Academic Achievements**
 - Being the leader in Banking & Insurance industry, we have achieved high academic performance by our students in the field of Banking & Finance and Insurance & Risk Management. Financial sector recognizes and acknowledges the potential, excellence, practical knowledge and professionalism of our graduates. They are rendering services in Corporate Sector, Bank and Finance Institution and Insurance Sector both at home and abroad. Majority of our qualified students also have been serving the public sector like Excise & Taxation AG Office, Civil Secretariat and LDA etc.
- **Foreign Academic Linkages**
 - We do not have any former Academic Linkages, However, transfer credit are being accepted by universities in Australia, UK and USA.
- **Institutional Linkages**
 - We have strong Institutional Linkage with Lahore Insurance Institute (LII), Lahore. They are facilitating us in the curriculum development. We are also in liaison with Asset Management Companies, Lahore Stock Exchange and Forex Companies.

HAILEY COLLEGE OF COMMERCE

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

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

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

- **Undergraduate and Postgraduate Programmes**
 - B.Com. Hons. (Semester System) 04 years Programme
 - M.Com (Semester System) 3 ½ years Programme after 14 years schooling
 - D.C.M.A Diploma in Cost and Management Accounting
 - DED Diploma in Entrepreneurship
- **1.2 MS and PhD Programmes**
 - M.Com (Semester System) 1 ½ years Programme after 16 years schooling
 - M.Phill (Semester System) In Commerce



Ph.D (Semester System) In Commerce

- **Academic Achievement**
 - NBEAC 2013-2105
- **Institutional Linkages**
 - With ACCA and Ora Tech established
 - Negotiation with ICAP & ICMA

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Telephone (s): +92-42-9231167

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

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

- **Undergraduate and Postgraduate Programs**
 - M.Sc. Economics (Morning)
 - M.Sc. Economics (Replica)
 - Master in Business Economics (MBEcon)
 - Post Graduate Diploma in Applied Economics (PGDAE)
- **M.Phil and PhD Programs**
 - M.Phil Economics (Morning)
 - M.Phil Economics (Weekend Self Supporting)
 - Ph.D. Economics
- **Academic achievements**
 - The Department of Economics has gone under substantial improvements during the last year. Several steps have been taken to improve infrastructure, research facilities, faculty development, computer lab and library. M.Phil (Weekend Self-Supporting Program) has been started from the session 2014-2015. The faculty has published nine research papers in various national and international Journals. Two issues of HEC - recognized research journal of the Department of Economics, *Pakistan Economic and Social Review (PESR)*, were published. The currently enrolled students of Ph.D are twenty two which is first time in the history of the University of the Punjab. The Department started M. Phil. Program in 2004. During the session 2013-14, twenty (20) students have completed their course work and are now working on their theses. Besides, twenty (20) students have been admitted to M. Phil. program for the session 2014-15. Presently all programs of the Department are under semester system. During the year 2013-14, one hundred and eight (108) books were purchased and subscriptions of 15 journals



were renewed. The Department received 25 journals under exchange program. Presently, the Department is offering seven programs under which 558 students are enrolled. 3

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Telephone (s): +92-42-99231224

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

- **Undergraduate and Postgraduate Programmes (for the year 2013-14 in text)**

- There is a morning and replica Masters in Library and Information Science (MLIS) program. During 01 October, 2013 to September 2014 fifty-one students got their Masters degrees.

- **MS and PhD Programmes (for the year 2013-14 in text)**

- The Department also offers MPhil and Ph.D. programmes. During said period, 8 students got MPhil degrees from the department

- **Institutional Linkages**

- The department is the first LIS institution of Pakistan to get the membership of CISAP (Consortium of iSchools Asia Pacific)

INSTITUTE OF ADMINISTRATIVE SCIENCES

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

Fax Number (s): Nil

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

- **Academic Activities:**

- Studies at the Institute of Administrative Sciences are organized under the semester system. Students are offered summer internship and placement services, a well-equipped library and computer laboratory. Learner centered teaching, quality research by faculty as well as by students, comprehensive examinations, a strong link with employers, all contribute to the quality of education at IAS. A distinct feature of the Institute is its competent and committed faculty comprising of over twenty permanent members.
- IAS is a modern, vibrant and innovative institute that offers a wide range of career oriented as well as socially required and globally relevant academic programs from BS in Management to PhD in Management. Our academic portfolio consists of the following programs:
 - BS in Management (Offered as Regular and Self Support Program)
 - Master of Human Resource Management (Offered as Regular, Self-Support and Executive/ Evening Program)
 - Master of Marketing (Offered as Executive/ Evening Program)
 - Master of Health Administration (Offered as Executive/ Evening Program)
 - Master of Public Administration (18 years of Education, Offered as Regular and Executive/ Self Support Program)
 - MPhil Management (Regular Program)



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

INSTITUTE OF BUSINESS ADMINISTRATION

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

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

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

- **Undergraduate and Postgraduate Programmes**
 - Currently, the following undergraduate and postgraduate programmes are being offered by this institute:-
 - BBA (Hons) (Morning/Afternoon) Program
 - MBA 1.5 Years (Morning) Program
 - MBA (Evening) Program
 - PGD (Evening) Program
- **MS and PhD Programmes**
 - IBA is offering M.Phil in Business Administration and Ph.D in Business Administration Programs. There are 20 seats for M.Phil in Business Administration and 10 for Ph.D in Business Administration.
- **Academic Achievements**
 - Realizing the importance of business education, Department of Business Administration was established in 1972 in the University of the Punjab. Later on, the department was upgraded to the Institute of Business Administration (IBA) in 1989. This was a great mile-stone in the history of the University, as IBA was the second institute in Pakistan, where teaching of business



administration was being offered. The Institute was shifted to its existing building in 1994. One year Post Graduate Diploma in Business Administration was started in 1992. To impart management education to in-service executives, MBA evening was started in 1995. In 2005, BBA (Hons) was also started for high-caliber under-graduate students who are both academically able and exhibit strong managerial potential. BBA (Hons) is offered on regular (morning) and self-support (afternoon) basis. In 2009, MBA (One and Half years) was also started for IBA-PU BBA (Hons) graduates and the program is offered on regular basis. Aimed at developing advanced competencies in theorizing and research, IBA started M.Phil in Business Administration and Ph.D in Business Administration programs in 2014. To-date, IBA has produced 1 M. Phil, 258 MBA (1.5) Years, 4615 MBAs, 540 BBAs, 1133 PGDs and 9 ABMs and they are making valuable services at both national and international level. The detail is given as under:-

| Sr. No. | Program | No. of Students | | |
|---------|--|-----------------|-------------------------|---------|
| | | Previous | During reporting period | To-date |
| 1 | M. Phil | 1 | - | 1 |
| 2 | MBA 1.5 Years (Morning) | 162 | 67 | 229 |
| 3 | MBA 1.5 Years (Afternoon) (presently not offered) | 29 | - | 29 |
| 4 | MBA (Morning) (presently not offered) | 2452 | - | 2452 |
| 5 | MBA (Evening) | 2057 | 106 | 2163 |
| 6 | BBA Hons (Morning) | 209 | 38 | 247 |
| 7 | BBA Hons (Afternoon) | 248 | 45 | 293 |
| 8 | PGD (Evening) | 1066 | 47 | 1113 |
| 9 | ABM (Evening) (presently not offered) | 9 | - | 9 |

Number of permanent/contract faculty members

| Sr. No. | Post | Nos. |
|---------|---------------------|------|
| 1 | Professor | 1 |
| 2 | Associate Professor | - |
| 3 | Assistant Professor | 8 |
| 4 | Lecturer | 6 |

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

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

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



- **Overview of the Institute**

- The Institute is running two programs BBIT (Hon.) and MBIT (via BBIT). IBIT has 994 students enrolled out of which 852 are in BBIT-Hon. and 142 in MBIT via BBIT programs. There were 3977 books in the departmental library on 30-09-2014, along with 179 MBIT Thesis and 942 Reports. The institute is using maximum modern facilities such as computer hardware and software, internet, and multimedia equipment. There are 15 regular full time faculty members working in IBIT during the academic year 2013-14. The detail of enrolled students in Fall Semester 2014 is given below:

Program: BBIT (Hons.)

| Session | Mornign A | | Afternoon A | | Morning B | | Afternoon B | | Total |
|---------|-----------|--------|-------------|--------|-----------|--------|-------------|--------|-------|
| | Male | Female | Male | Female | Male | Female | Male | Female | |
| F09 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| F10 | 0 | 4 | 1 | 0 | 0 | 2 | 1 | 0 | 8 |
| F11 | 6 | 41 | 25 | 32 | 21 | 37 | 31 | 31 | 224 |
| F12 | 26 | 33 | 28 | 21 | 28 | 34 | 32 | 32 | 234 |
| F13 | 18 | 41 | 29 | 35 | 24 | 41 | 29 | 37 | 254 |
| F14 | 23 | 40 | 32 | 35 | 0 | 0 | 0 | 0 | 130 |

Program: MBIT via BBIT

| Session | Mornign A | | Afternoon A | | Morning B | | Afternoon B | | Total |
|---------|-----------|--------|-------------|--------|-----------|--------|-------------|--------|-------|
| | Male | Female | Male | Female | Male | Female | Male | Female | |
| F13 | 13 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| F14 | 9 | 38 | 0 | 0 | 11 | 32 | 0 | 0 | 90 |

- BBIT (Hon.) degree consists of 130 credit hours. It is 4 years full time study program
- MBIT (via BBIT) degree consists of 36 credit hours. It is 1 and a half year full time study program.

Candidates to be eligible for the MBIT (via BBIT) program:

A candidate must have BBIT (Hon.) program or equivalent degree from a recognized university. BBIT and MBIT area of specialization (Marketing, Finance, Human Resources and Information Technology) consists of a specified set of coursers comprising of 24 and 12 credit hours respectively taken within a single field of specialization.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Telephone (s): +92-42-99230211, 99230375

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

- **Undergraduate and Postgraduate Programmes**



- Master Programme (Regular & Replica)
- **MS and PhD Programmes**
 - M. Phil Program
- **Academic Achievements**
 - Short Course on “Sign Language”
 - Short Course on “Braille Proficiency”

INSTITUTE OF EDUCATION & RESEARCH

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

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

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

| Sr. No | Name of Programme | Duration |
|---------------|--|-----------------|
| 1 | M.A. Education Elementary | 2 years |
| 2 | M.A. Education Secondary | 2 years |
| 3 | M. A. Education Islamic | 2 years |
| 4 | M. A. Early Childhood Education | 2 years |
| 5 | M.A. English Language Teaching & Linguistics | 2 years |
| 6 | Master of Business Education (M.B.E) | 2 years |
| 7 | Master of Science Education (M.S.Ed.) | 2 years |
| 8 | Master of Technology Education (M.T.E.) | 2 years |
| 9 | Master of Educational Research & Assessment | 2 years |
| 10 | Master of Education (M.Ed.) (Regular) | 1 years |
| 11 | Master of Science Education (Regular) | 1 Year |
| 12 | Master of Education (M.Ed.) (Evening) | 2 years |
| 13 | B.Ed. (Hons) Elementary | 4 years |
| 14 | B.S.Ed(Hons) | 4 years |
| 15 | B.Ed (Science) | 1 year |
| 16 | B.Ed (Secondary) | 1 year |
| 17 | ADE Leading to B.Ed Hons | 1 year |

MS/ PhD Programmes

| | | |
|----|-------------------|---------|
| 1. | M. Phil Education | 2 years |
| 2 | Ph.D in Education | 5 years |



- **Academic Achievements**

- This brief report provides information pertaining to the academic activities at IER during the period 01-10-2013 to 30-09-2014. During this period 855 students were enrolled in Bachelor degree programmes, 1494 students were enrolled in all master degree programs and 109 students in M.Phil. During this period 696 completed their Master Degrees and 8 students were awarded Ph.D Degree. In this period 235 books and 08 Foreign Research Journals were added in the library. There are total 50 faculty members teaching in the IER.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

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

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

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

- **Postgraduate Programmes**

- M.Sc. Coal Technology (Regular Morning Programme)

- **MS and Ph. D. Programmes**

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

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

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

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

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

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99232018

Fax Number (s): +92-42-99232018

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

- **Undergraduate and Postgraduate Programmes**

- M.Sc. Textile Engineering

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99230462

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

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

- **Undergraduate and Postgraduate Programmes**

- The Institute of Chemical Engineering and Technology is a pioneer Institute in the field of chemical engineering and provides broad-based Chemical Engineering programs resulting in



B.Sc. Engineering, M.S. Engineering, and PhD degrees. The undergraduate and post graduate programs at the Institute prepare students for profession in chemical engineering-an exciting and challenging profession that combines the principles of the physical and chemical sciences with the discipline of engineering to solve technological problems using modern tools and provide effective service to society. Institute also contributes towards continual professional development of its graduates for which Continual Professional Development Cell (CPDC) is established. The role of CPDC is to develop competence and ability of engineers for the application of theoretical knowledge to practical situations and to evolve innovative solutions to real life problems while adhering to professional ethics and acquisition of a broader understating of their obligations to society. The graduate engineers participate in the continual development of new processes and new products that form the basis of much of the manufacturing segment of the global economy.

- **MS and PhD Programmes**

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

- **Academic Achievements**

- The institute has a glorious history of service to the chemical and process industry in the country and abroad. The alumni of the Institute have contributed significantly to the industrial growth and economic development of the country by helping in the design, construction, commissioning, operation and management of many important chemical plants, petroleum refineries and a number of allied industrial units. They are holding highly responsible positions in Education, Pakistan Atomic Energy Commission, Pakistan Council of Scientific and Industrial Research, Chemical and Process Industries both in the private and public sector, Defense Organizations, Universities and Governmental Departments.
- The institute is home for more than thirty faculty members and approximately five hundred students. Institutes library is adorned with more than 35000 titles on chemical engineering and general sciences. Institute has also subscribed various international and national research journals. Institute has latest and state of the art computer laboratory having more than 40 computers. Additional twenty computers are installed in library to provide internet facility to the students.



- **Postgraduate Laboratory**

- The institute regularly organizes trainings, workshops, symposia and conferences. Recently 5th Symposium on Engineering Sciences was organized at the Institute in which different presenter in the engineering field from all the over the Pakistan has presented their research. Many speakers were invited from Industry to highlight the issues that Pakistan industries are facing at the moment. This way a good industrial liaison has been created with the Institute and hopefully future research of Institute will address the industrial issues as well. Industry and academics highly appreciated these activities.
- A Continual Professional Development Cell (CPDC) is established at the Institute level which provides training and development courses for fresh as well as employed engineers. Recently following courses were offered at the forum of CPDC:
 - Aspen / Hysys for Chemical Engineers
 - Sustainable Environmental Production
 - Communication Skills Development
- The institute has a tradition to invite the leading organizations at the premises of the institute for recruitment of young engineers. More than 15 process units conducted their recruitment process at the institute in the current fiscal year. Some of major recruiters are Engro Fertilizer, Nestle, Nimir Chemicals and Descon.
- The leadership at the Institute of Chemical Engineering and Technology is striving to provide excellent learning, research and co-curricular facilities. The faculty and students of the institute have access to many educational resources, as well as opportunities for both basic and applied research. The class rooms, laboratories, conference room, offices and building are upgraded to provide conducive environment to students, faculty and staff.

- **Foreign Academic Linkages**

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



- **Honours and Awards**

- Many alumni of this Institute has been decorated with Sitara-e-Imtiaz Pakistan award for their over whelming contributions in the field of Education.

- **Institutional Linkages**

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

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

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

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

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

- **Undergraduate and Postgraduate Programmes**

- Institute offers 4 years B.Sc. Industrial Engineering (I.E) and 2 years M.Sc. Quality & Performance Management (Q&PM) program.

- **MS and PhD Programmes**

- Institute offers 2 years M.S Total Quality Management (TQM), 2 years M.S Industrial Engineering & Management (IEM) and 3 years Ph. D Total Quality Management (TQM) program.

OFFICE OF RESOURCE, INNOVATION & COMMERCIALIZATION (ORIC)

Telephone (s): +92-42-99237015

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

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

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

Telephone (s): +92-42-99231232

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

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

- **Postgraduate Programmes**

- M.A. Islamic Studies Programmes is running successfully in the department.

- **MS and PhD Programmes**

- M.Phil and PhD Programmes



- M.Phil & Ph.D. Programmes in Islamic Studies are successfully running in the department.
- **Honours and Awards**
 - National Seerat Awards January 2014 (wafaqi mazhabi umoor, Govt. of Pakistan) given to Dr. Shahida Parveen, Assistant Prof.

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

Telephone (s): +92-42-99211607

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

SHEIKH ZAYED ISLAMIC CENTRE

Telephone (s): +92-42-99231140

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

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

- **Undergraduate and Postgraduate Programmes**
 - BS Islamic Studies
 - 145 students were admitted in BS Islamic Studies during the session 2013-2014 and 93 students passed out.
- **MS and PhD Programmes**
 - M.Phil. Islamic Studies
 - 21 students were admitted in M.Phil. Islamic Studies, session 2013-2014 and 10 students passed out.
 - **Ph.D. Islamic Studies**
 - 11 students were admitted in Ph.D. Islamic Studies and 8 students passed out.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

Telephone (s): +92-42-99231276-99231161-99231275

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

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

- **Undergraduate and Postgraduate Programmes**
 - *B.A.LL.B.(Hons.)*
 - *LL.B. 3 Years*
 - *D.T.L.*
 - *D.LL.*
 - *DIPL*
 - *DEL*
 - *DBL*



- DITL
- DCLP
- **MS and Ph.D Programmes**
 - LL.M. Ph.D.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Telephone (s): +92-42-99231145, 99231147

Fax Number (s): +92-42-99231146

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

- **Undergraduate and Postgraduate Programme**
 - BS (4 Years) in Clinical Psychology
 - Advanced Diploma in Clinical Psychology (Morning & Replica)
- **MS and Ph.D. Programmes**
 - Ph.D. in Clinical Psychology
 - MS in Clinical Psychology
 - MS in Speech & Language Pathology
- **Academic Achievements**
 - BS (4 Years) in Clinical Psychology: 27 students completed their degree
 - MS Programme in Clinical Psychology: 23 students completed their degree
 - Advanced Diploma in Clinical Psychology: 20 students completed their diploma
- **Institutional Linkages**
 - Professional linkages with the following psychiatric services providing institutes are well established in order to provide trainee clinical psychologists an opportunity to learn through practical implication of knowledge:
 - Mayo Hospital, Lahore
 - Sir Ganga Ram Hospital, Lahore
 - Services Hospital, Lahore
 - Jinnah Hospital, Lahore
 - Punjab Institute of Mental Health, Lahore
 - Lahore General Hospital
 - Fountain House, Lahore
 - Amin Maktab, Lahore
 - Dar-ul-Sakoon, Half Way House, Social Welfare Department Punjab



- Afiat, Social Welfare Department, Punjab
- Bait ul Mall Social Welfare Department, Punjab
- Dar ul Flah, Social Welfare Department, Punjab
- Chaman, Social Welfare Department, Punjab
- Shadab Training Institute for Special Education
- Living Institute for Slow Learners, CCP, PU, Lahore

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

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

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

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

- **MS and Ph.D Programs**

- The Centre offers M.Phil and Ph.D programs.

- **Academic Achievements**

- Degrees have been awarded to twenty two M. Phil and fourteen Ph.D students. Thirty eight faculty members are engaged in research and teaching activities.

- **Foreign Academic Linkages**

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

- **Institutional Linkages**

- Centre has strong linkages with different learning institutions. Many students are doing their internship with a background of life science. The institutions are as under,
 - University of Veterinary and Animal Science, Lahore
 - University of Lahore
 - Kinnared College Lahore
 - Lahore College for Women University
 - University of health Sciences
 - Allama Iqbal Medical College (AIMC)/Jinnah Hospital, Avicenna Medical College/Hospital, Lahore.
 - LRBT Hospital Lahore.
 - Agriculture University Faisalabad
 - Bahawalpur Islamia University
 - National Institute for Biotechnology and Genetic Engineering (NIBGE)
 - Institute of Agricultural Sciences (IAGS)
 - Collaborative research programs involving exchanges and resource sharing: Wilmer Eye Institute, Johns Hopkins University, Maryland, USA.



- National Institute of Health, Rockville, USA
- Department of Human Genetics, Radboud University Nijmegen Medical, Netherland
- Agricultural Research Service, USDA, Baltimore Ave, Beltsville, MD USA
- International Center for Chemical and Biological Sciences (ICCBS) University of Karachi
- Korean Bioinformatics Center
- South Korea; Personal Genomics Institute,
- South Korea and Genome Research Foundation, Korea
- Abdul Wali Khan University Mardan

DEPARTMENT OF BOTANY

Telephone (s): +92-42-99231152

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

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

• **Undergraduate and Postgraduate Programmes**

Presently the Department is running one Undergraduate (BS) and one Postgraduate (M.Sc.) Programme. Admission to these programmes are held annually *i.e.* in September/October. There are 32 seats for BS Program and 50 seats for Master Program. BS and M.Sc programs are being run under semester system.

• **MS, M.Phil and PhD Programmes**

- The Department is also running MS, M.Phil (two years), Ph.D Regular and Old Scheme (3-5 years) programmes under semester system.

• **Academic Achievements**

- The following sessions were completed during the said period:
 1. BS Session (2010-14)
 2. M.Sc. Session (2012-14)
 2. MS Session (2012-14)
 4. M.Phil Session (2012-14)
 5. Ph.D. (Degree given to 08 Scholars)

• **Foreign Academic Linkages**

- **Dr. Muhammad Saleem** (Professor) is collaborating with Dr. B.C. Lamb, Imperial College, London in research on Molecular Evolution/Biodiversity. He is also collaborating with University of Haifa (Department of Molecular Evolution) with Professor Nevo who is working as Director Incharge. On Proteomics side he is collaborating with Professor Nasir ud Din from Molecular/Bioinformation Institute, Nisbet Road, Lahore and Dr. Mukhtar ul Hussain from Brunel, London.

• **Honors and Awards**

- **Dr. Faheem Aftab** (Professor) was awarded research grant by the Alexander von Humboldt Stiftung, Germany. Duration October 01, 2012 to September 30, 2013. Total funding: Euros 6500.00.

• **Institutional Linkages**

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

**DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS**

Telephone (s): +92-42-35952811

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

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

• Undergraduate and Postgraduate Programmes

- Number of students enrolled during this period BS and MSc

| Class | Male | Female | Total |
|-------------------------|------|--------|-------|
| B.S. Session (2014-18) | 04 | 37 | 41 |
| M.Sc. Session (2014-16) | 01 | 34 | 35 |

• MS and PhD Programmes

- Number of students enrolled in MS MPhil and PhD

| Class | Male | Female | Total |
|-------------------|------|--------|-------|
| M.S. (2014-16) | 05 | 10 | 15 |
| M.Phil. (2014-16) | 02 | 14 | 16 |
| Ph.D.(2014-19) | 07 | 09 | 16 |

• Academic Achievements

- Number of students passed out during this period BS and MSc

| Class | Male | Female | Total |
|-------------------------|------|--------|-------|
| B.S. Session (2010-14) | 08 | 22 | 30 |
| M.Sc. Session (2012-14) | -- | 29 | 29 |

- Number of students completed their MS MPhil and PhD

| Class | Male | Female | Total |
|---------------------------|------|--------|-------|
| M.S. Session (2012-14) | 03 | 07 | 10 |
| M.Phil. Session (2012-14) | -- | 08 | 08 |
| Ph.D. | 01 | 02 | 03 |

• Foreign Academic Linkages

- TWAS-UNESCO Associate ship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
- Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA. Co-PI on a USAid research proposal and Co-authored a review article with Dr. Nousheen Zehra Zaidi.
- Dr. Hubert Kalbacher, Eberhard Karls University, Tübingen, Germany. International Collaborator for NRPB research project and PSF project and Co-authored two review articles and one research article with Dr. Nousheen Zehra Zaidi.



- Research collaboration between Dr Tomasz Jagielski, Department of Applied Microbiology, Faculty of Biology, University of Warsaw and Dr. Nazia Jamil, Department of Microbiology and Molecular Genetics, Punjab University.
- Research Collaboration between Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia and and Dr. Anjum Nasim Sabri, Department of Microbiology and Molecular Genetics, Punjab University
- **Honors and Awards**
 - Dr. Anjum Nasim Sabri awarded Quaid-e-Azam Gold Medal by Tehreek-e-Istehkam-Pakistan Council, on 28th June, 2014, at National Auditorium Lahore.
 - Dr. Anjum Nasim Sabri awarded Incentive research award 2013 by the University of the Punjab, Lahore.
 - Dr Zakia Latif awarded Incentive research award 2013 by the University of the Punjab, Lahore.
 - Dr. Rida Batool got Incentive research award 2013 by the University of the Punjab, Lahore.
 - Dr. Rida Batool got Performance Evaluation Award 2013 by the University of the Punjab, Lahore.
 - Dr. Yasir Rehman got Incentive research award 2013 by the University of the Punjab, Lahore
 - Ms. Sara Junaid working under supervision of Dr. Mehboob Ahmed got Best Oral Presentation award for the session of Biomass and Biofuels in 11th Biennial Conference "Molecular Biosciences - Challenges and Opportunities" by The Pakistan Society for Biochemistry and Molecular Biology at University of the Punjab, November 25-28, 2013.
 - Dr Zaigham Abbas got 2nd prize on poster presentation entitled, "Development of device based on nano-gold particles to detect NS1; an early diagnostic marker of Dengue virus infection" in World Biotechnology Congress, 2104 held at Dubai, UAE (February 10-12, 2014).
 - Ms Anum Fatima working under supervision of Dr. Mehboob Ahmed got 1st prize on poster entitled "Effect of Cyanotoxins on seed germination, seedling growth and induction of oxidation stress in various plants in one day seminar on "Soil Health Reclamation Approaches", by College of Earth & Environmental Sciences (CEES), University of the Punjab, Lahore (11 June, 2014)
 - Ms. Sabeen Akhtar working under supervision of Dr. Saba Riaz, got 1st prize on poster presentation in Work Shop on "Biosafety and risk assessment "organized by Biosafety and Bioresource Committee of Punjab University. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 April, 2014.
 - Fatima Ameer working under supervision of Prof. Dr Shahida Hasnain and Nosheen Zahra Zaidi got 2nd prize on poster presentation entitled "Evaluation of Blood lipid profiles in gynaecological cancer patients and their correlation with body-mass index. Work Shop on "Biosafety and risk assessment "organized by Biosafety and Bioresource Committee of Punjab University. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 April, 2014.



- Muhammad Zaid working under supervision of Dr Nazia Jamil got 3rd prize on poster presentation entitled “Toxicological Evaluation of PHA Extracted From Gram Negative Bacteria, Using Bagasse as a Carbon Source Work Shop on “Biosafety and risk assessment “organized by Biosafety and Bioresource Committee of Punjab University. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 April, 2014.
- Dr Imran Sajid awarded Erasmus Mundus staff exchange program scholarship for Finland.
- **Institutional Linkages**
 - Dr. Lisa Scandiuzzi, Albert Einstein College of Medicine, New York, USA.
 - Dr. Hubert Kalbacher, Eberhard Karls University, Tübingen, Germany.
 - Dr. Jonathan K Ball, Virus research Laboratory, School of Molecular Medical Sciences, University of Nottingham, UK
 - R. Brooks Robey, MD - Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
 - Dr. Atiq Ambreen, Department of Microbiology, Gulab Devi Chest Hospital Lahore.
 - Dr. Khalid Mehmood, College of Medicine & Dentistry University of Lahore and Citilab and Research Centre Lahore
 - Dr. Saqib Mahmood, Department of Human Genetics & Molecular Biology, University of Health sciences, Lahore, Pakistan
 - Dr. Muhammad Ayub, Queen’s University, Kingston, Department of Psychiatry, Queen’s University, Kingston, Canada.
 - Dr. Johannes V. Swinnen- Laboratory of Lipid Metabolism and Cancer, Department of Oncology, Faculty of Medicine, KU Leuven, Leuven, Belgium
 - R. Brooks Robey, MD - Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
 - Department of Biology, Colorado State University, Fort Collins, Colorado 80523-1878, USA.
 - Prof. Dr. Jürgen Rohr, Professor and Director, Division of Drugs Discovery, Department of Pharmaceutical Sciences, College of Pharmacy, University of Kentucky, USA (Submitted a collaborative research project under Pak-US collaborative research projects program).
 - Nancy Kuemmerle, MD- Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
 - Dr. Hubert Kalbacher - Medical and Natural Sciences Research Centre. Eberhard Karls University, Tübingen, Germany
 - 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 Foug, Professor, Stanford University Blood Center, Hillview Avenue, Palo Alto, CA.
- The Emerging Nations Science Foundation, Viale Miramare 129, Trieste, Italy.
- Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia.
- University of Oklahoma, Norman OK, USA
- School of Veterinary Science, University of Nottingham, UK.
- The University of Lahore (UOL).
- University of Veterinary and Animal Sciences, Lahore.
- GC University, Lahore.
- FC College University, Lahore.
- Baluchistan University of Technology and Management Sciences (BUTEMS), Quetta.
- King Edward Medical College University, Lahore.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

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DEPARTMENT OF ZOOLOGY

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Undergraduate and Postgraduate Programmes

The B.S. (4 year) degree program in Zoology was introduced under the instructions of Higher Education Commission in Pakistan in 2005 and spread over eight semesters. Each semester is of 18-weeks duration which includes 17 weeks for teaching and 1-week to conduct examinations. A minimum of 130 credit hours are required to obtain the above degree with in 8 semesters duration. The department has an elaborate M.Sc. Program for the external B.Sc. (2 year) students coming from various colleges. The department is accommodating the B.Sc. (2 year) students from all over Pakistan since decades for this M.Sc. 2 year pass course system on merit and reserve seats.

MS / M.Phil and PhD Programmes

The MS/M.Phil. is of 2-years duration (30 credit hours) spread over four semesters. The admission of these classes generally, made only once a year. The program involves 24 credit hour course work and 6 credit hours thesis (Research work). The course work is completed during first two semester (12 credit hours/semester) and 6 credit hours research work spread over next 2 semesters. Following



advertisement by the University, "Entry Test" is arranged by the Department. A candidate must obtain 50% marks to qualify the entry test. Equal numbers of applicants are admitted for MS and M.Phil. programs on merit. MS and M.Phil Self-Supporting (Evening) program is introduced for the academic session 2014-16 on the same bases.

The Department of Zoology stands amongst those departments / institutes of the University of the Punjab, which have been producing maximum number of Ph.Ds. One hundred thirty seven (137) Ph.D. degrees have been awarded by this Department upto October 2014. Since 2001 Higher Education Commission (HEC) -approved regular Ph.D. Program has been started which has replaced the previous program. The theses are evaluated by experts from technologically advanced countries for the award of degree. Following registration, by the Board of Advanced Studies and Research of the University the scholars carry out research under the supervision of their respective supervisors. The candidates may conduct their research work in laboratories of other research development organizations. Infact, many scientists working in National and International Organizations had been registered in this way. After working out the research problem, under expert supervision, the research dissertations are submitted for evaluation. M.S./M.Phil with 3.0 CGPA is one of the pre-requisites for admission to this program along with several others. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examination before commencement of Ph.D. research project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years.

Subsequently the candidates present themselves for public defense and finally the viva voce is conducted in the presence of internal (supervisor) and external examiners. The successful candidates are then notified by the University.

Foreign Academic Linkages

Prof. Dr. Muhammad Naeem Khan

- American Fisheries Society, USA
- World Aquaculture Society, Australia
- Nor Fishing Foundation, Trondheim, Norway.
- FAO, Rome, Italy.
- Michigan State University, USA.
- **Dr. Farah Raul Shakoori**
- Prof. Dr. Janet L. Stein, Department of Biochemistry, University of Vermont, Vermont. USA,
- Prof. Dr. Andre van Wijnett Department of Orthopedic Surgery & Biochemistry& Molecular Biology Mayo Clinic Florida USA.

Dr. Najma Shaheen

- Prof. Dr. Michael Hess., **Clinic for Avian, Reptile and Fish Medicine**, University of Veterinary Medicine, Vienna. Austria. michael.hess@vu-wien



Honours and Awards

Prof. Dr. Javed Iqbal Qazi

- Was awarded 19th position for the innovation Award in the 3rd Intention to Innovation Summit 2014 held on 19-20 March 2014 at AL-RAZZI Hall Quaid-e-Azam Campus, University of the Punjab, Lahore.

Prof. Dr. Muhammad Naeem Khan

- President, Pakistan Aquaculture & Fisheries Society (PAFS), 2013-15.
- Member Working Group, Fisheries Sector, Government of the Punjab, 2013-14.
- Recipient of FAO / Michigan State University Travel Grant Award for Developing Countries for "Global Inland Fisheries Conference", Rome, Italy, January 26-30, 2015.
- Recipient of World Aquaculture Society Partial Travel Grant, World Aquaculture Adelaide, Australia, June 7-11, 2014.
- Recipient of American Fisheries Society Partial Travel Grant Award for Developing Countries, 2nd International Mangroves as Fish Habitat Symposium, 2014, Western Division AFS Annual Meeting, Mazatlan, Mexico, April, 7-11, 2014.
- First Winner of the Nor-Fishing Foundation Travel Award, International Fisheries Fair "Nor Fishing Exhibitions-2014, Trondheim, Norway, Trondheim, Norway, August. 19-22, 2014.

Dr. Zafar Iqbal

- Asian Fisheries Society. Malaysia

Dr. Nabila Roohi,

- Incentive Award, University of the Punjab, 2013-2014
- Performance Evaluation Award, University of the Punjab, 2013-2014

Dr. Farah Raul Shakoori

- Performance evaluation award 2013 Rs. 50,000 by University of the Punjab Lahore.
- Awarded research project for the fiscal year 2013-2014 Expression of cadmium uptake ability of *Paramecium* metallothionein gene.
- **Member Board of Studies**, Department of Biotechnology, Lahore College University, for Women Lahore since 2012-continuing
- **Member Selection Board of**, Department of Biotechnology, Lahore College University, for Women Lahore since 2013-continuing
- **Chaired** Cell Biology and Molecular Biology Session in 34th Pakistan Congress of Zoology (International) held *under* the auspices of the Zoological Society of Pakistan at Bahauddin Zakria university, Multan, February 25-27 (2014).



- **Chaired** Cell Biology and Molecular Biology Session in international conference on innovative biological and public health research (IBPHR) held at department of Zoology, Govt. college University, Lahore, May 06-08 (2014).

Institutional Linkages

Prof. Dr. Muhammad Naeem Khan

- An academic and research linkage in the field of Physics between the University of California, Berkeley, USA and Lawrence Berkeley Laboratory, USA, was developed and proposed to the Vice Chancellor, University of the Punjab, Lahore, on May 1, 2014. Dr. Waqas Khalid, UC Berkeley, USA visited PU on February, 12, 2015 and gave a seminar to the students and faculty at CHEP and met V.C.

Dr. Farah Rauf Shakoori

- Collaboration with school of Biological Science Sciences University of the Punjab Lahore.
- Collaboration with Government College University Lahore.
- Collaboration with Lahore College for women University Lahore.

Dr. Nadeem Sheikh

- Collaboration with MOU with Georg-August University, Goettingen, Germany.
- Collaboration with the University of Lahore for research project.
- Collaboration with Institute of Nuclear Medicine and Oncology Lahore.
- Collaboration with LCWU, Lahore
- Collaboration with PCSIR laboratories Lahore.

INSTITUTE OF AGRICULTURAL SCIENCES

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• **Undergraduate and Postgraduate Programmes**

○ BS (Hons.)

Majors

- Plant Pathology
- Horticulture
- Food Technology

• **MS and PhD Programmes**

○ M.Sc. (Hons.)

Majors

- Plant Pathology
- Food Technology



- Ph.D. Agriculture
Major
 - Plant Pathology
- **Academic Achievements**
 - Imparting quality education and development of culture for advanced research are the primary foci of the Institute of Agricultural Sciences (IAGS). Four regular batches of BS (Hons.), two of M.Sc. (Hons.), three of M.Sc. (Hons.) leading to Ph.D. and six of Ph.D. are in progress. During the report period 166 students to BS (Hons.), 69 to M.Sc. (Hons.) and 15 to Ph.D. program were admitted. Since the establishment of the institute, nine batches of BS (Hons.) 4-year program, nine batches of M.Sc. (Hons.) and two Ph.D. programs have passed out. In the area of teaching, attention is being focused on concept building. This goal is achieved by observing the curriculum developed by HEC to meet the national needs. Quality enhancement is addressed on the guideline proposed by HEC and PU faculty assessment criterions. The guidelines are based on credit hour allocation, infrastructure development, student teacher relationship and involvement of parents in class performance of students. The Module understandings are accelerated by utilizing the tools of teaching, tutorials, quizzes and presentations are regular features. Research activities are of academic, applied and adaptive nature. Research projects assigned to Ph.D. students are oriented to cover these aspects. Faculty members have won several research projects with funding from Punjab university and other well reputed local and international organizing. The Institute is also playing a vital role in human resource development in education and farm resource capacity enhancement.
 - The institute is playing a significant role in dissemination of scientific information by publishing a biannual scientific journal "*Mycopath*" and a quarterly newsletter '*Agricultural News*' as well as '*Research Bulletin*'. Seminars, invited lectures from nationally and internationally reputed scientists is regular feature of the activities. To inculcate healthy activity of mind and spirit students are involved in various academic & extracurricular committees, and are strongly encouraged to join scientific societies.
 - Student Magazine '*Mycomag*' is also being published annually. During this period 179 books, 12 research journals, 8 newsletters, 41 reports and 14 theses were added in the library of the institute. The First Fungal Culture Bank of Pakistan has isolated, purified and conserved 98 fungal and 70 bacterial species during the report period. Herbal Heritage Centre after standardizing techniques of *Aloe vera* gel and essential oils production at lab scale has acquired locally fabricated pilot plants for commercial production of both.
- **Foreign Academic Linkages**
 - Punjab University – PARB – University of Toronto, Canada
 - Punjab University – ICARDA – USDA, University of Arizona, USA



• **Honours and Awards**

- Dr. M. Saleem Haider, Professor & 'Director
 - Quaid-e-Azam Gold Medal – 2014 by Tehreek-e-Istehkam-e-Pakistan Council (Regd.) Pakistan on 28th June 2014 on best performance in the field of Agriculture
 - Research incentive award received in 2014 from the University of the Punjab.
- Dr. Arshad Javaid, Assistant Professor
 - Awarded performance based increment in 2014.
 - Research productivity award received in 2014 from Pakistan Council of Science and Technology
- Dr. Amna Shoaib
 - Awarded performance based increment in 2014.
 - Research productivity award received in 2014 from Pakistan Council of Science and Technology
- Dr. Shazia Shafique
 - FEMS Congress Grant to attend the 5th FEMS Congress of European Microbiologists, Leipzig, Germany. 21-25 July, 2014.
 - Awarded performance based increment in 2014
- Dr. Sobiya Shafique
 - Research incentive award received in 2014 from the University of the Punjab.
- Dr. Muhammad Ashfaq
 - Awarded performance based increment in 2014.
 - Research productivity award received in 2014 from Pakistan Council of Science and Technology
- Mr. Hafiz Azhar Ali
 - Performance evaluation award in 2014.

• **Institutional Linkages**

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

- Pakistan Council for Scientific & Industrial Research (PCSIR) Ferozepur Road, Lahore.
- Center of Excellence in Molecular Biology, Punjab University, Lahore.
- Parks & Horticulture Authority, Lahore
- School of Biological Sciences, Punjab University, Lahore
- FBRC, PCSIR, Lahore
- Federal Seed Certification and registration department (FSCRD)
- Soil Fertility Lab., Thokar Niaz Baig, Lahore
- Land Reclamation Department, Lahore
- Cotton Research Institute, Vehari
- Cotton Research Institute, Multan
- Central Cotton Research Institute, Multan



- M/s Four Brothers, Lahore
- M/s Auriga Chemicals, Lahore
- Agricultural Engineering Workshop, Thokar Niaz, Baig, Lahore
- Punjab Ecotoxicology Lab., Kala Shah Kaku, Lahore
- Rice Research Institute, Kala Shah Kaku, Lahore
- NARC, Islamabad
- Adaptive Research Farm, Sheikhpura
- Adaptive Research Farm, Gujranwala
- Soil Salinity Research Institute (SSRI) Pindi Bhatian
- PARC, Islamabad
- NIAB, Faisalabad

INSTITUTE OF APPLIED PSYCHOLOGY

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● **Undergraduate and Postgraduate Programs**

- Currently Institute is running two Undergraduate BS (4-Years) Morning and Replica Programs and two Postgraduate M.Sc Morning and Replica Programs. Admission to these programs are held annually i.e. in September/October. There are 44 seats for BS (4-Years) Morning program, 38 seats for BS (4-Years) Replica program, 50 seats each in M.Sc. Morning/Replica Programs. These programs are being run under semester system and admissions to these programs are made on annual.

● **MS and PhD Programs**

- Institute is also offering full time M.Phil Applied Psychology, MS Health Psychology and Ph.D Applied Psychology Programs. There are 20 seats each for M.Phil Applied Psychology, MS Health Psychology Programs, and 10 for Ph.D Applied Psychology.

● **Academic Achievements**

- Institute of Applied Psychology has always been an ardent facilitator in providing its students with the opportunities for arranging academic and co-curricular activities which enhance their personal and professional skills. A series of conferences, workshops, seminars, special lectures were conducted to provide ample opportunities to its students to gain practical knowledge and





management experience.

- On the initiative of worthy Vice Chancellor, Prof. Dr. Mujahid Kamran, University of the Punjab formal trainings to University administrative and assisting staff has been provided. In continuation, with effect from 2nd December, 2013 to 13th December, 2013 (4th Batch), 27th January, 2014 to 10th February, 2014 (5th & 6th Batches) the administrative staff i.e Assistant Registrars/ Assistant Treasures/Assistant Controllers (BS-17) and Administrative Officers (BS-16) were trained. The sessions were held at the Institute of Applied Psychology and Centre for Clinical Psychology. The training program focused on professional enhancements, personal grooming & mannerism, social and interpersonal skills, leadership skills, gender diversity management, skills in office correspondence, office management, communication skills, familiarization with rules and responsibilities and orientation of accounts & preparation of budget etc. All sessions were inaugurated by Prof. Dr. Rukhsana Kausar, Director IAP & CCP along with Engr. Tariq Majeed Qureshi, Director Planning and Development (Conveners Committee for Staff Development Training Program). Prof. Dr. Mujahid Kamran, Vice Chancellor University of the Punjab distributed certificates to the successful participants of these sessions and urged them to apply the learned skills in their practical life in order to produce quality work.

- Institute of Applied Psychology, University of the Punjab organized a seminar through a video conference on “Conformity Revisited. Moving on from Milgram and Zimbardo” on 27th November, 2013. The resource person for the seminar was Prof. Dr. Stephen Reicher, a fellow at the Royal Society of Edinburgh and a leading authority on the Crowd Psychology at University of St. Andrews, UK (an academic link partner of University of the Punjab).



While discussing the studies conducted by Milgram and Zimbardo as well as his own study, he highlighted the dynamics and implications of group behavior especially under the positions of power and control. He extensively talked about how people in power like bureaucrats and politicians exercise their power, develop leadership qualities and how misuse of these power positions could raise ethical and social concerns. The session was attended by faculty and students of Institute of Applied Psychology (IAP) and Center for Clinical Psychology who asked several critical and thought provoking questions towards the end of the seminar. The seminar ended with a vote of thanks by





Prof. Dr. Rukhsana Kausar, Director, Institute of Applied Psychology and Center for Clinical Psychology.

- On 29th January 2014, with the encouragement of Chairperson Prof. Dr. Rukhsana Kausar, students of BS-Semester 3 celebrated Peace Day in the institute as a project at the end of their Peace Psychology course. Under the supervision of their course instructor Ms. Shahnaila Tariq, students arranged a wonderful program promoting peace and harmony. The students dressed in white distributed free peace badges among the students and faculty members of the institute. The program started formally with Tilawat e Quran. Poems on theme of peace were narrated afterwards. A presentation about positive peaceful Pakistan was also given. As part of this program the whole class took an oath to be peaceful with themselves and with people around them for promoting peace and serenity in society. The program was concluded by Prof. Dr. Farah Malik, acting Director, who appreciated this activity of peace promotion. A cake-cutting ceremony was held at the end to rejoice the success of the Peace Day.

- On 8th March 2014, the students of Institute of Applied Psychology celebrated International Women’s Day by holding a walk from the Institute to the Vice Chancellor’s office. The students along with faculty members walked with full zest and zeal holding banners, chanting songs about women empowerment and gender equality. The enthusiasm of the young students grabbed media attention, local television channels



covered the event and interviewed various students and faculty members about their thoughts and perspectives on women’s rights in Pakistan. At the end of walk, the honorable Vice Chancellor Prof. Dr. Mujahid Kamran appreciated the students and faculty of Institute of Applied Psychology for taking such a positive step to raise awareness about the issues of women in our society. By raising voice against gender-based violence and promoting women empowerment. He, along with the Director of IAP spoke to the media about the Women’s Day and about the strength and achievements of the females in different fields at University of the Punjab.

- University of Engineering and Technology held an environmental quiz at Institute of Applied Psychology to raise awareness about environmental concerns among the youth. Around 50 students from IAP from all the batches participated in this quiz with great vigor and zeal. All the students were awarded with a certificate on successful participation.





- On March 23, 2014, Institute of Applied Psychology collaborated with Center for Clinical Psychology in order to commemorate the efforts of our national leaders, for all those who had put their utmost to strive to have a separate homeland and for the ones who had been sacrificing their lives to make the nation breathe in a free land. The atmosphere was filled with patriotism, enthusiasm and passion for the country. Students delivered tremendous speeches, sang national songs, performed skits, had a quiz and received prizes. The program was summed up in patriotic words of Director IAP and CCP Prof. Dr. Rukhsana Kausar. The event provoked extreme vibes of nationalism.



- A workshop on the training of Cognitive Behavior Therapy was organized by Global Welfare Organization and held at the Ambassador Hotel on the 5th and 6th of April, 2014. The chief guest for the workshop was Minister of Interior and Anti-Narcotics Force government of Pakistan Mr. Muhammad Altaf Qamar. Students of IAP attended the workshop and participated in all the sessions and gained interesting practical knowledge about CBT and how it was effectively applied for drug abusers. It was a very insightful and fruitful experience for the students overall and they received certificates for showing great participation.

- On April 10, 2014, nationally and internationally renowned motivational speaker and author of books like “Shabas! Tum Kar Saktey” and “Tick Tick Dollar” Mr. Qaiser Abbas was invited by Ms. Tahira Mubashir to deliver a power-punched and energizing motivational lecture at Institute of Applied Psychology. The Lecture Hall was over-flowing with the keen listeners. Qaiser Abbas started his session



based on his “Trainment philosophy” and revealed “Seven secrets of success”. He also shared his struggle story of his life and inspired hundreds of students with his journey to success. All the participants were spell bound after listening to his inspirational tale. Prof. Dr. Farah Malik, Acting Director concluded the session, thanked Mr. Qaiser Abbas for sparing time for his alma matter and presented him the souvenirs.

- Students of M.S Health psychology arranged a seminar on” Role of Health Psychology in daily life” under the supervision of Dr. Fatima Kamran on May 7, 2014. Students of health psychology gave presentations on





various health models and theories. Ms. Asma Yousaf from center for Clinical psychology and Ms. Nasra Hayat, psychologist from Shaukat Khanum Cancer Hospital also gave lectures on health psychology. At the end of seminar Professor Dr. Rukhsana Kausar Director IAP appreciated efforts of students and teacher in arranging the seminar. At the end of seminar participants were served refreshments. Students from clinical and counseling psychology also attended this event with great zeal.

- Institute of Applied Psychology (IAP), University of Punjab, Lahore organized a special lecture on “The Use of Mixed Methods in Social and Applied Psychology” by Prof. Dr. Richard de Visser from university of Sussex, United Kingdom, on May 22, 2014. The purpose of the lecture was to give an overview on use and analysis of mixed methods in research. A large number of MS/M.Phil and Ph.D scholars as well as faculty members attended the session followed by a question answer session. At the end, Director Institute of Applied Psychology and Center for Clinical Psychology, Prof. Dr. Rukhsana Kausar thanked the worthy resource person and presented him a souvenir.



- Institute of Applied Psychology (IAP) and Center for Clinical Psychology (CCP) in collaboration with Department of Library and Information Science, University of Punjab, Lahore organized a one day workshop on “Managing Qualitative research with Nvivo 10” on June 6, 2014. The session started with a lecture by Prof. Dr. Kanwal Amin, Chairperson Department of library and Information Science on



“Overview of the Qualitative Research” followed by an extensive workshop conducted by Dr. Shafiq ur Rehman, Asst. Prof. Department of Library and Information Science. Both sessions were attended by a large number of MS/M.Phil and P.hD scholars as well as faculty members. In the end, Director IAP and CCP Prof. Dr. Rukhsana Kausar thanked the worthy resource persons and presented them with souvenirs.

- Institute of Applied Psychology (IAP) and Center for Clinical Psychology (CCP), University of the Punjab, Lahore organized a three days workshop on “Structural Equation Modeling with AMOS” from June 11-13, 2014. Dr. Jamil A. Malik from National Institute of





Psychology, Quaid-e-Azam University, Islamabad was the resource person while Dr. Iram Fatima and Ms. Tahira Mubashar from IAP were the facilitators for the workshop which was attended by a large number of MS/M.Phil and P.hD scholars as well as faculty members and professionals. In the end, Director IAP and CCP Prof. Dr. Rukhsana Kausar thanked the worthy resource person and presented him the souvenirs.

- Students of Industrial-Organizational Psychology visited Tetra Pack under the supervision of Ms. Tahira Mubashir, course instructor on 18 June. 2014. Mr. Shoaib Ahmed. HR Manager welcomed them and instructed about HR systems in practice at Tetra Pak. Students also had a round of the production area and learned about manufacturing excellence processes. At the end, students have a confab regarding enhancement of employee productivity by increasing their work and job engagement followed by question answer session. The students have a combo of experiential learning and memorable day out.



- Harvard University, in collaboration with Higher Education Commission (HEC) Pakistan held an interactive discussion on “Tackling Gender Based Violence in South Asia-What Options?” through video conferencing. A large number of students from Institute of Social and Cultural Studies as well as students from Institute of Applied Psychology (IAP) along with their faculty members attended this



discussion which explored the grave problem of gender violence in South Asia. The discussion was followed by a question-answer session in which the resource persons from Law School of Harvard University entertained the queries from the participants and appreciated the questions raised by the students of University of the Punjab.

- An extension lecture on Business Communication Skills was organized specially for the students of BS and M.Sc specializing in the area of Organizational Psychology. The resource person was Ms. Saira Munsif, Director and trainer at Treadstone.



- **Extra-Curricular Activities**

- We believe that participation in extracurricular



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

- Annual Mehfil-e-milad was held at the IAP on January 24th, 2014 to observe the auspicious event of 12th Rabi-ul Awwal. The event started with Quran khawani and proceeded by naats offered in the honor of Prophet Muhammad (P.B.U.H). Students, faculty and staff members participated in event with religious passion and zeal to celebrate and honor the birth of Prophet Muhammad (Peace be Upon Him). The event marked its end with a collective Dua ceremony after which tabaruk(sweets) were distributed among everyone in attendance.

- On 18th March 2014, the Institute of Applied Psychology held its annual sports day and the event was inaugurated by Mrs. Rana Mashood, wife of Mr. Mashood Khan, the provincial minister for Sports, Education, Youth Affairs, Archeology, Tourism and Law and Director Prof. Dr. Rukhsana Kausar, by cutting the ribbon. Despite the heavy rains the night before, the organizing committee of students and faculty did a

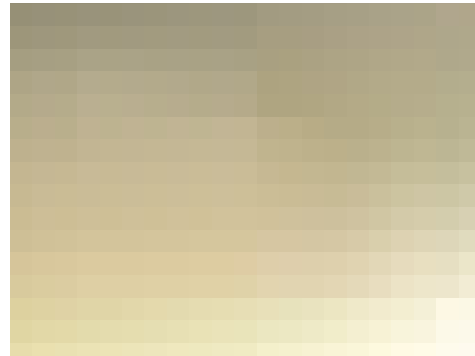


splendid job on arranging and decorating the whole area with colorful decorations and all kinds of stalls. The event started with the Chief Guest and the chairperson note praising the efforts of the committee and appreciating the vigor of students participating in the sports and extracurricular activities. For an initial enthusiastic boost and warm-up Girls started the event with aerobics. And then a cake was cut by all the faculty members and the Chief Guest to officially begin the sports day 2014. Different races were held and students from all classes participated and crowd cheered for their own class to show full support. Badminton, chess, Luddo, table-tennis, football and cricket matches were held among students of BS, MSc and MS as well as against the administrative staff of the Institute. Students cheered and enjoyed the whole event; the ground erupted with roars. The last yet most enjoyable event was the tug-of-war between the faculty members and the students which was enjoyed by all. The Chief Guest then distributed prizes among the winners of all the games. And she spoke about the success of the whole event and applauded the fervor and passion of the students throughout the whole



day. Students received trophies and medals for winning the games. The organizing committee also received well-deserved medals for their strenuous efforts for arranging such a wonderful event and congratulated everyone on celebrating a great day.

- On Saturday 19th April, 2014 Institute of Applied Psychology arranged a one day trip to Khewra Salt Mines and Kalar Kahar for its students. In the supervision of Ms. Tahira Mubashir and Ms. Shazia Khalid, about 80-100 students set off in two buses at 9 am. Students passed the journey to Khewra Salt Mines by singing different songs, telling jokes and munching on snacks. The tour reached Khewra at 11.45 am.



Whole lot of students entered the salt mines with a tour guide who shared the history of salt mines, indicating different areas of the mines like mosque, mini Minar-e-Pakistan, salt lake, jeweled lane, hill of success etc. and also told several fun facts. Students enjoyed visiting different places inside the mines which were intricately carved, naturally or otherwise. They also bought souvenirs from the shops and stalls located inside the mines. After enjoying the visit, lunch was served. After the lunch, the IAP tour group reached Kalar Kahaar. Some of the students took pleasure in rides, some went to the lake for boating and some enjoyed camel rides while few indulged in wandering and shopping. After spending about two hours in Kalar Kahaar, the students hopped into the buses at around 6:45 pm and started their journey back to Lahore. Having fun of a life time and taking infinite photos to prove it, the students reached back.

- Students of IAP participated in youth empowerment camp held in Gilgit Baldistan from 13-21 June, 2014 organized by National Research center for youth empowerment, the aim of this camp was to teach youth how to survive in harsh conditions. Muneeb-ul-Huq student of IAP was sponsored by YEC as a Brand Ambassador of the University of the Punjab. Three students were also sponsored by university of Punjab for this event including Arif Ali, Mazhar Saleem and Zikariya Hashmi. Major activities in camp included role play, hiking, tracking and motivational lectures to energize the participants.
- A three day National Youth Peace Festival from 26th to 28th September 2013 was organized by CDA (Chaanan Development Association). Students of IAP



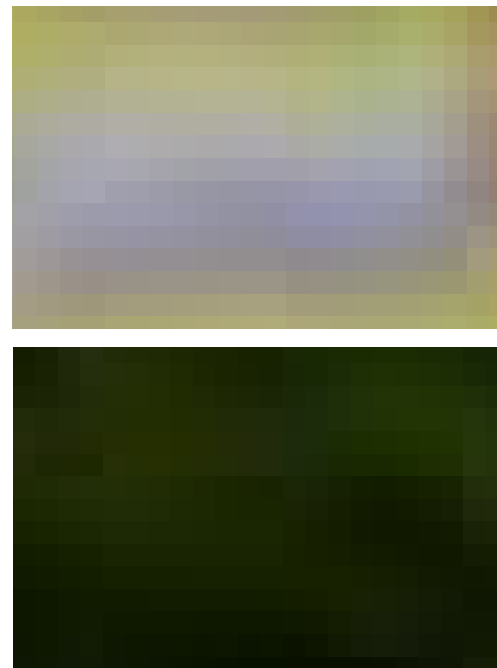


Namra Rehamn and Fatima Aftab participated in it. It included motivational lectures, debates, discussions on the provisional rights, and religious issues. Ayesha was also a part of a conference named Khudi organized by Jawad Ahmad. It involved panel discussions on equality in Pakistan. Furthermore, she took part in the International Youth and Workers Movement which was conducted on 13th February 2014.

- An “Islamic Debate Competition” was arranged in the Centre for Undergraduate Studies conducted by Miss Fatima Noreen on 16th February 2014. The event was organized in the celebration of 12th Rabi-ul-Awal and the topic for the debate was Islamic concept of Jihad in the light of sayings of Holy Prophet (S.A.W.W.). Students from BS II participated in the competition with great enthusiasm. Zakariya Hashimi, Maira Amin and Fizza Riasaf from IAP achieved first and third positions respectively.

- **Community Work**

- The Institute of Applied Psychology inculcates in its students a sense of responsibility and sensitivity towards the current social issues and a spirit of volunteerism. The students of the Institute participate in community work both at the directives of the Institute as well as on voluntary basis. In order to ensure students’ participation the Institute has added community work as a mandatory part of its curricula. This year too, community work was undertaken by students with keen interest and commitment. One of the activity held in collaboration with SCAS was putting up stalls at University girls’ hostels to make them aware of psychological health, educate and sensitize them about issues related to physical and mental health, and train them manage day to day life problems. Stress management, healthy life style and eating habits were amongst the main areas covered in the community work. Students executed projects on environment protection & cleanliness, humanism, altruism and patriotism.
- At personal level, students are rendering voluntary services in different hospitals, emergency situations, raising awareness among masses on different issues through preparing and circulating educational pamphlets, providing support to the families of children with special conditions and diseases.





- Our students volunteer to be part of different student committees: Cleanliness, Security, Discipline, Extracurricular activities, etc. Their duty is to watch over and assist in respective responsibilities and report to the faculty member accordingly.
- We take pride in our students' versatility, who despite attending demanding academic activities (under semester system), also extend help managing institutional extra-curricular activities. Our students actively participated in Punjab Youth Festival and have won award on a project executed by them in Fourth Post PYC held in Karachi. Three students of BS Semester IV, Ms. Arifa Siddique, Ms. Zahra Kashf, Ms. Maheen Akram, and one student of M.Sc (Replica) Semester IV Mr. Shahzad were the ones who presented the Smart Project entitled "Humaray Buzurg Humari Jannat". Two of them will be selected and sponsored to attend Asian Youth Congress to be held in Dubai this year.
- **Foreign Academic Linkages**
 - The Institute has foreign academic linkage with:
 - Institute has academic linkage with St. Andrew's University, UK.
 - International Council of Professional Therapists (UK).
 - Children and War Foundation, Bergen, Norway.
- **Honors and Awards**
 - Holding workshops, seminars, extension lectures and video conferencing lectures to update students' knowledge is a salient feature of the Institute.
- **Institutional Linkages**
 - The Institute has linkages with different external bodies in order to share resources and provide practical training and placements to its graduating students.
 - MEDECINS DU MONDE (French medical Non-government Organization)
 - Child Protection and Welfare Bureau, Lahore
 - Services Hospital, Lahore
 - Mayo Hospital, Lahore
 - Ganga Ram Hospital, Lahore
 - Jinnah Hospital, Lahore
 - Fountain House, Lahore
 - Punjab Institute of Mental Health, Lahore
 - National Society For Mentally And Emotionally, Handicapped Children Lahore
 - Shaikh Zayed Hospital, Lahore.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Telephone (s): +92-42-99230355

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

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

- **Undergraduate and Postgraduate Programs**



- The Institute offers 4 years BS Biochemistry/Biotechnology and two years M. Sc. Biochemistry/Biotechnology degree programs at undergraduate and postgraduate level. The overall strength of students enrolled during the academic session 2013-14 is 273 in BS Biochemistry/ BS Biotechnology and 67 in M. Sc. Biochemistry/ M. Sc. Biotechnology

- **MS and PhD Programs**

- The Institute offers two years MS Biochemistry/ Biotechnology degree programs that semester system bases and 3-5 years Ph.D. degree. During the academic session 2013-14, the number of students was admitted in MS Biochemistry/MS Biotechnology degree program is 59.
- Following students are pursuing Ph.D. Studies at the Institute:

| | | |
|-----------------------|----------------------|-------------------------------|
| Mr. Adnan Farooq | Mr. M. Shahbaz Aslam | Ms. Abeer Abdul Khaliq Janjua |
| Ms. Riffat Tahira | Mr. M. Asif Shahab | Ms. Beenish Maqsood |
| Mr. Imran Tipu | Ms. Zahida Parveen | Ms. Afshan Iqbal |
| Mr. M. Mudassir Iqbal | Ms. Iram Gull | Mr. Tanveer Khalid |
| Mr. Zia Ullah Khokhar | Mr. Tayyaba Shaheen | Ms. Neelam Saba |
| Ms. Samia Shahid | Ms. Saba Ghazanfar | Ms. Madeeha Khalid |
| Mr. Yasir Sharif | Ms. Hira Batool | Ms. Kiran Butt |
| Ms. Sumaira Pervaiz | Ms. Sajida Rasool | Mr. Khuram Shehzad |
| Ms. Huma Rehmat | Ms. Madeeha Shahzad | |
| Ms. Jawaria Shaheen | Ms. Maryam Yousaf | |

- **Academic Achievements**

- The Institute of Biochemistry and Biotechnology (IBB), established in 1996 with the aims to cultivate the students' knowledge and skills in biochemistry and biotechnology and to engage in relevant research in keeping with the university policy for the advancement of scientific research. Since the first academic session initiated in 1997 it has been providing a sound base of biochemistry and biotechnology. Alongside experience of the manipulative skills essential for future research, students are equipped for a career in this exciting discipline. During the last decade, the academic system and research capabilities have been greatly improved and the Institute enjoys a high reputation amongst the scientific and research organizations of the country
- The Institute has qualified and committed team of 18 faculty members – one Professor, eight Assistant Professors, and nine Lecturers.
- In order to augment and strengthen institutional research capacity and teaching standards the Institute is planning research and academic linkages with foreign universities and local industry sectors in the upcoming years.

SCHOOL OF BIOLOGICAL SCIENCES

Telephone (s): +92-42-99230960



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

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

- **MS and PhD Programmes**

- Presently, 127 research scholars are working in the School for their Ph.D. degrees. The sixth batch students are fairly advanced in their research projects and are in different stages of compiling their data, write up of theses and giving final touches to their research work. The seventh batch scholars are fairly advanced in their research projects and are making satisfactory progress. The seventh batch have completed their prescribed course work and are in their initial stages of planning experiments and running pilot experiments. The ninth batch of the students have just finished their comprehensive examination and International GRE. The tenth batch is in the initial stages of their course work.
- The Ph.D. students of the School have undertaken their mandatory Semester Examinations, Comprehensive Examinations and International GRE, which they have passed with excellent scores. SBS is the only institute in the university whose students regularly undertake international GRE in their respective subjects.

- **Foreign Academic Linkages**

- Kyoto University, Kyoto, Japan
- Ritsumeikan University, Shiga, Japan
- University of Luebeck, Luebeck, Germany
- National Institute on Deafness and other Communication Disorders, NIH, USA
- Ayesha Imtiaz spent 1.5 years as a part of joint Ph.D program at NIH, USA.

- **Institutional Linkages**

- As Given above under "**Foreign Academic Linkages**".
- Dr. Young-Bao Pan, – Plant Molecular Geneticist, USDA-ARS, MSA, SSRC, Sugarcane Research Laboratory, 5883 USDA Road, Houma, LA 70360, USA.

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

Telephone (s): +92-42-35883295, 35834363

Fax Number (s): +92-42-35883295

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

- **Undergraduate and Postgraduate Programmes**

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



- **MS and PhD Programmes**

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

- **Academic Achievements**

- Two M. A. students got 1st positions in M. A. Arabic Part I, II and MA Arabic P-II Eleven students did their research work and wrote M.A. theses. Fourteen M. Phil. Arabic students completed their research work and awarded degrees. Five Ph. D. Arabic students completed their research work and awarded degrees.

DEPARTMENT OF HINDI LANGUAGE

Telephone (s): +92-42-99211814

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

- **Diploma in Hindi Language**

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

- **Library**

- A Library of the Hindi Language was established in 2004. Currently it has 1984 new Hindi books including reference books, dictionaries, literature books being supplied from India. 400 old Hindi books, magazines, journals and 4127 old Sanskrit books are also kept in the library of Hindi Department. The Librarian Saima Rubbani has been maintaining the Library since 2008 to date

- **Academic Session**

- There were 4 students enrolled in the Diploma in Hindi Language.

- **Quality Assurance**

- Hindi Department is following the guidelines provided by the HEC and Quality Cell of Punjab University.

- **Campus Management Solution**

- Hindi department has implemented the Campus Management Solution for managing student's enrollment and examinations. A Junior Clerk has been deputed to work on this task.

DEPARTMENT OF IQBAL STUDIES

Telephone (s): +92-42-99210839

E-mail Address (s): iqbaliyat2007@yahoo.com

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)



Telephone (s): +92-42-99210835

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

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

- **Undergraduate and Postgraduate Programs**

- 13 students are admitted in M.A Kashmiryat Part-I for the Year 2013-14

- **MS and Ph.D Programs**

- 01 student is admitted in M. Phil Kashmiryat Part- I for the year 2013-14
- 03 students are admitted in Ph. D Kashmiryat Part-I for the year 2013-14

- **Academic Achievements**

- One Day Tour to Mazafrabad, Azad Kashmir.

- **Foreign Academic Linkages**

- Department has Academic Collaboration and students exchange programs with under given Higher Education Organization.
 - University of Srinagar, Jammu & Kashmir (Indian Held)
 - Azad Jammu & Kashmir University, Muzaffarabad.
 - Baba Badshah University Rajouri Jammu Kashmir.

- **Institutional Linkages**

- At National Level
 - Azad Jammu & Kashmir University, Muzaffarabad.
 - Kashmir Centre, Lahore.
- At International Level
 - University of Srinagar, Jammu & Kashmir (Indian Held)
 - Jammu & Kashmir, Cultural Academy, Srinagar.
 - Baba Badshah University Rajouri Jammu Kashmir.

- **Exchanges and Resources Sharing Program/Forum of Resources Sharing**

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

DEPARTMENT OF MOSQUES

Telephone (s): +92-42-99231135

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

- The Department of Mosques, Punjab University comprises six (06) mosques (four are situated in the Quaid-e-Azam (New) Campus & two are in the Allama Iqbal (Old) Campus), an Institute of Hifz-e-Quran adjacent to Jamia Mosque, an Institute of Nazira attached to E-Block mosque and a Library. All teaching, administrative and other official matters of all mosques, institutes of Hifz-e-



Quran, Nazira and Library are controlled through the main office attached to Jamia Mosque, New Campus.

- Four qualified and experienced teachers have been appointed to teach the admitted students in the Institute of Hifz-e-Quran. Regular classes are being conducted from Monday to Saturday in specific hours. To facilitate the admitted students, additional classes are also held after Maghrib prayer which is helping to enhance the religious academic capability of students. Moreover, students belonging to various departments of the university also attend these classes to learn and improve their reading ability of Holy Quran.
- Following seven students of the Institute completed Hifz-e-Quran during Oct. 2013 to Sep. 2014.
 - Abdul Hannan S/o Shabbir Ahmad Qasmi
 - Hassan Jahangir S/o Faiz Ahmad
 - Awais S/o Farman Ahmad
 - Ahmad Asaal S/o Iftikhar Ahmad
 - Muhammad Awais Zafar S/o Muhammad Zafar Ullah
 - Uzair Alvi S/o Zafar Iqbal Alvi
 - Talha Raheem S/o Abdul Raheem
- Separate classes for boys and girls are being arranged in the Institute of Nazira. For this purpose, services of female teachers for girls and male teachers for boys have been hired. Alhamdulillah, as many as 214 male and female students have been studying and 18 students completed the Quran.
- The department is also arranging weekly Dars-e-Quran, which is conducted on Tuesday after Maghrib to Isha prayer. A large number of university students, teachers, employees and other people attend with religious zeal.
- Like previous years, the department arranged Aitkaaf in the Jamia Masjid. Renowned religious scholars delivered lectures on various Islamic topics for the educational and practical training of aitkaaf observers. The department arranged ceremony at each mosque in connection with Takmeel-e-Quran in which taraweeh prayer leader and listener were gifted books.
- **Development Activities**
 - With the increase in electricity load-shedding hours, the department purchased an Uninterrupted Power Supply (UPS) for main office for day-to-day smooth functioning.
 - To improve the sound of Azan and Friday sermon, speaker system at Islamic Centre mosque was upgraded.
 - Keeping in view the increasing number of prayerers and to facilitate them, the department purchased and installed one new air-conditioner (AC), having capacity of two ton, in the mosque



of Admin Block and two new air-conditioners (ACs), having capacity of two ton each, in the mosque of E-Block. Furthermore, with the increase in scorching heat, the department installed tarpals in the courtyard of the Admin Block and E-Block mosques.

Library:

- The Library of Mosques Department provided quality services to its users efficiently throughout the year. To provide quality services, as many as 370 books in Urdu, Arabic and English languages, covering areas of Quran, Tafsir, Hadith, Fiqh, Seerat-un-Nabi (PBUH), etc. were purchased from October 2013 to September 2014, besides continuing the subscription of Islamic research journal for the library. The library collection during the said period reached 11850. The users were helped and guided about the use of catalogue for searching their required reading material from the library collection. They were provided books on demands in timely-writing their assignments. They were also provided facility of photocopying their required pages of the book for their assignment purposes. The users were provided congenial reading environment which helped them frequently visit the library on daily basis.

DEPARTMENT OF PERSIAN

Telephone (s): +92-42-99210833

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

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

● **Undergraduate and Postgraduate Programs**

- 26 students are admitted in M.A Persian Part-I for the Year 2013-14

● **MS and Ph.D Programs**

- 02 Students are admitted in Ph.D Persian (Spring Session) in 2013-18
- 12 students are admitted in M.Phil Persian (Spring Session) in 2013-15

● **Academic Achievements**

- The Department of Persian has produced Semester System one year Program of Diploma in Persian and 10 students were admitted in Diploma in Persian for the 2013-14.
- The Department of Persian has produced Refresher Course for Teachers of Various Govt. Colleges (Male/Female) and the students of M.Phil/Ph.d, in which taught Faculty of Persian Department, Ex-Senior Professors and Iranian Teachers as well.

● **Foreign Academic Linkages**

- Department has Academic Collaboration and Teacher students exchange programs with under given Higher Education Organization.
 - Firdousi University, Mash, had, Iran
 - Tehran University Tehran, Iran



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

DEPARTMENT OF PUNJABI

Telephone (s): +92-42-99210834

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

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

- **Postgraduate Programs**
 - 23 students are admitted in M.A Punjabi Part-I for the Year 2013-14
- **Ph.D Programs**
 - student has admitted in M.Phil & 3 Ph.D Program for the year 2013-14
- **Academic Achievements**
 - Ph.D Degree award to 4 students



- 22 students passed in M.A Examination

DEPARTMENT OF URDU

Telephone (s): +92-42-99210832

Fax Number (s): +92-42-99210832

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

- **Undergraduate and Postgraduate Programs**

- 69 students are admitted in M.A Urdu Part-I for the Year 2013-14

- **MS and Ph.D Programs**

- 13 students are admitted in M.Phil Urdu in 2013-14
- 11 students are admitted in Ph.D Urdu in 2013-14

- **Academic Achievements**

- The Department of Urdu has produced Semester System one year Program of Diploma in Urdu and 05 students were admitted in Diploma in Urdu for the year to 2013-14.

- **Foreign Academic Linkages**

- Department has Academic Collaboration and Teacher students exchange programs with Higher Education Organizations, given below:

- Tehran University Tehran, Iran
- Daito Bunka University, Japan
- Osaka University, Japan

- **Exchanges and Resources Sharing Program/Forum of Resources Sharing**

- Tehran University Tehran, Iran
- Daito Bunka University, Japan
- Osaka University, Japan

INSTITUTE OF LANGUAGES

Telephone (s): +92-42-99231272

UNIVERSITY ORIENTAL COLLEGE

Telephone (s): +92-42-99212272, 99211621

Fax Number (s): +92-42-99210831

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

- Post Graduate level departments = 5 (Arabic, Persian, Urdu, Punjabi, Kashmiryat)
- Under Graduate Certificate/Diploma Classes in the Institute of Languages = 15
- 56 Faculty Members are teaching the Post Graduate and Certificate/Diploma classes of the above of the Oriental College.
- At present 901 students are studying in different disciplines
- (M.A. 348 + M.Phil 117 + Ph.D 88 + Diploma in Languages 267 = 820)



- Details mentioned in the report of the Teaching Departments of this College

URDU DEVELOPMENT COMMITTEE (ADARA TALEEF-O-TARJAMA)

Telephone (s): +92-42-99230504

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

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

Telephone (s): +92-42-99211616

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

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

- The University College of Pharmacy formerly known as Department of Pharmacy is the oldest professional institution in Pakistan. The Mission of the College is to provide the Pharmacy Education of high quality in Pakistan through Excellent courses as approved by Pakistan Council of Pharmacy (PCP), Higher Education Commission (HEC) and Inter University Faculty Board (IUFB) constituted by the Chancellor/Governor of the Punjab conducted within a creative and friendly environment. The Faculty consists of outstanding professionals who are fully committed to guide the students in their acquisition of learning under the supervision of Principal Prof. Dr. Mobasher Ahmad Butt. The interaction between teachers and students create the learning environment which facilitates mastery of professional skills and knowledge. University College of Pharmacy (UCP) is accredited with Pakistan Council of Pharmacy under Pharmacy Act.
- After upgrading the Department of Pharmacy to University College of Pharmacy, all laboratories have been re-organized and developed with financial assistance of the Higher Education Commission.
- Testing of drugs and medicines as antimicrobial agents are now possible due to the modern facilities provided in the laboratory of Pharmaceutical Microbiology.
- Industrial Pharmacy Section has also been upgraded with pharmaceutical machinery and with locally manufactured equipments. This section is being further developed.
- To provide better research opportunities, the College library is well equipped with textbooks, reference books and scientific research journals in various disciplines of Pharmaceutical Sciences having latest research work to the students and professionals. A facility of computer lab and Internet is also provided to the students.
- At present there are about 1300 students studying in various classes of the University College of Pharmacy. A number of 45 students are studying in postgraduate class of M. Phil Part-II (Pharmacy). A number of 150 new books have added in our library.



- **Undergraduate and Postgraduate Programmes**
 - In our College following regular classes of Undergraduate Degree Programme (Pharm. D) comprising of five years is regularly conducted throughout the each academic year.
 - Pharm D Morning Session
 - Pharm D Evening Session
- **M.Phil and PhD Programmes**
 - In our Faculty regular classes of M.Phil and Ph.D. are conducted in following four disciplines:
 - Pharmaceutical Chemistry
 - Pharmaceutics
 - Pharmacology
 - Pharmacognosy
 - We are planning to start M.Phil in Pharmacy Practice as the fifth M.Phil programme. Also we are going to start M.Phil evening programmes in four above disciplines.
- **Foreign Academic Linkages**
 - DeMont Fort University, UK for International PhD (Individual faculty member)
- **Honours and Awards**
 - ISO 9001:2008 certification.(Prof. Dr. Mobasher Ahmad Butt & Mr. Imran Tariq)
 - Allied Health Professional Award. 41st European and Calcified Tissue Society, Prague, Czech Republic. (Dr. Hamid Saeed)
- **Institutional Linkages**
 - DeMont Fort University, UK for International PhD (Individual faculty member)

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

Telephone (s): +92-42-35839387-9, 99231136

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

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

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



- **Overview of achievements**

- The Centre of Excellence in Solid State Physics was established in 1974. The major aim of establishing the Centre in this field was to provide the country with technically trained manpower and to establish research facilities in the field of solid state physics. The Centre offers M.Phil. degrees, Ph.D. degree and collaborative research work. The analytical facilities established in the Centre were successfully utilized to help various projects of National Importance. Students of various universities of Pakistan are offered these analytical facilities, and hundreds of samples of many different students have been analyzed, through ASIP and HEC, to date. Centre of Excellence in Solid State now boasts to have established facilities for theoretical and experimental research in the fields of materials preparation and characterization to device fabrication and characterization.

- Number of faculty members: 12
- Number of books & Journal: 4197
- Number of M.Phil. students enrolled: 104
- Number of Ph.D. students enrolled: 22
- Number of students completing M.Phil. degree: 60
- Additions or improvements in teaching & research laboratories

- **Foreign Academic Linkages**

- At International level
 - School of Chemistry, University of Manchester. UK
 - Chinese Academy of Sciences, China

- **Institutional Linkages**

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

CENTRE FOR HIGH ENERGY PHYSICS

Telephone (s): +92-42-99231137

Fax Number (s): +92-42-99231253

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

- **Undergraduate and Postgraduate Programmes**

- Report: During this period, 57 students completed their BS (4-year) in Computational Physics and 65 students completed their M. Sc. in Computational Physics.



- **MS and Ph. D. Programmes**

- Report: During this period, 22 students completed their M. Phil. study in High Energy Physics, 38 students continued their Ph. D. studies at the centre. One student (Mr. Ghulam Mustafa) completed his Ph.D.

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Telephone (s): +92-42-99230624

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

- **Postgraduate Programmes**

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

- **Regular 2 Years**

- This two-year M.Sc. Part I and Part II degree program each possess 18 and 28 students thus a sum of 46 students are enrolled for year 2013-2014. The total numbers of student who have completed their Masteral degree in period are 12.

- **MS and PhD Programmes**

- M.Phil. Geo-Conservation and Sustainable Development (GCSD)

- **Regular 2 Years**

- Ph.D. Geo-Conservation and Sustainable Development (GCSD)

- **Regular 3-5 Years**

- As a remarkable achievement, the Centre has recently started M.Phil. and Ph.D. Programmes in Geo-Conservation and Sustainable Development (GCSD). Total strengths of 09 and 32 students are admitted in M.Phil. and Ph.D. programmes respectively.

- **Foreign Academic Linkages**

- International Centre for Integrated Mountain Development (ICIMOD), Nepal
- The University of Tübingen, Germany
- Stockholm University, Sweden
- Faculty of Geo-information Science and Earth Observation (ITC), University of Twente, Enschede, The Netherlands.
- Universiti Teknologi PETRONAS, Malaysia
- International Development Research Centre, Canada,
- Tata Institute of Social Sciences (TISS), India

- **Institutional Linkages**

- Water and Power Development Authority (WAPDA)
- Pakistan Council of Research in water Resources (PCRWR)
- Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
- Forest Department, Gilgit Baltistan
- Environmental Protection Department (EPD), Govt. of the Punjab, Lahore.
- National Engineering Services Pakistan (NESPAK), Lahore.



- WWF-Pakistan
- PCSIR, Lahore
- IUCN

CENTRE FOR UNDERGRADUATE STUDIES

Telephone (s): +92-42-99232068

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

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

- Center for Undergraduate Studies was established in 2007. Since then it is successfully running BS (4 Years) program for Chemistry, Botany, Zoology, Mathematics, and Statistics. Students are admitted in their main departments and then transferred to the Center for first two years, where they learn compulsory subjects along with electives. In addition, students of biochemistry & biotechnology, applied and clinical psychology and physics come to the Center to study common courses like English, Pakistan Studies, Islamic Studies and Computer. Center is also the focal point for BS (4 Years) in affiliated colleges and is providing curriculum, scheme of studies and guidelines to the affiliated colleges. Faculty is also making significant research output each year. With curricular activities, extra-curricular activities are also arranged in the Center. One-day tour and annual sports gala are among these. Annual dinner was also arranged where the successful players were awarded trophies and certificates. Development of Aloe Vera Research laboratory is started this year, and many books have been purchased for library. At present there are more than 2900 books in the library of different disciplines from which students benefit whenever they desire. In addition many intellectual and academic journals are also regularly delivered to the library for the students. Center also has the credit of being second most important venue for entry tests after examination halls. Video conference facility and Al Raazi Hall are the most important and fully engaged assets of the Center.



- **Undergraduate & Postgraduate Programs**

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



- First four semester of BS (4 Years) Mathematics
- First four semester of BS (4 Years) Statistics
- First four semester of BS (4 Years) Zoology
- Common courses for BS (4 Years) Applied Psychology, Biochemistry & biotechnology, Clinical Psychology and Physics

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Telephone (s): +92-42-35953102

Fax Number (s): +92-42-35953100

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

• **Undergraduate and Postgraduate Programmes**

- The undergraduate programmes running in the college are:
 - BS Environmental Sciences (Regular)
 - BS Environmental Sciences (Self-supporting)
 - M.Sc Applied Hydrology
 - M.Sc Tourism and Hospitality Management

• **MS and PhD Programmes**

- The MS/MPhil and PhD programmes running in the college are:
 - MS Environmental Sciences
 - MPhil Applied Hydrology
 - PhD Environmental Sciences
 - PhD Applied Hydrology

• **Academic Achievements**

- During this time period, two students have completed their PhD degrees namely Ms. Saima Gulzar and Mr. Muzaffar Majid.

• **Foreign Academic Linkages**

- Dr. Janice E. Thies
 - Associate Professor/International Professor of Soil Ecology
 - Crop and Soil Department
 - College of Agricultural and Life Sciences (CALS)
 - Cornell University
 - Ithaca, NY 14853 USA

Nature of linkage: Research collaboration in the field of sustainable soil health approaches

Linkage since: 11th Nov 2011

Jean Bonhotal



Director

Cornell Waste Management Institute

Department of Crop and Soil Sciences

813 Bradfield Hall

Ithaca, NY 14853 USA

Nature of linkage: Research collaboration in waste management through reducing, repurposing, recycling and composting solid and organic residuals

Linkage since: 11th Nov 2011

Mr. Adam Michaelides

Compost Education Program Manager

Cornell Cooperative Extension

Tompkins County

Ithaca, NY 14853, USA

Nature of linkage: Compost education and research

Linkage since: 11th Nov 2011

Sichuan South Gas Compressor Co. Ltd, China

Nature of linkage: Collaboration in the field of sustainable bioenergy from organic wastes

Duration of linkage: Approximately 2 years

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Telephone (s): +92-42-99231271

Fax Number (s): +92-42-99230493

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

- **Undergraduate and Postgraduate Programmes**
 - BS (H) in Statistics – Regular Undergraduate
 - M.Sc. Statistics – Regular & Self Supporting Postgraduate
 - M.Sc. Actuarial Science – Regular & Self Supporting Postgraduate
 - M.Sc. Biostatistics – Self Supporting Postgraduate
 - M.Sc. Information and – Self Supporting Postgraduate
Operational Management (MIOM)
 - M.Sc. Business Statistics – Self Supporting Postgraduate
and Management (MBSM)
- **MS and PhD Programmes**
 - M.Phil – Regular
 - PhD – Regular
- **Academic Achievements**



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

DEPARTMENT OF GEOGRAPHY

Telephone (s): +92-42-99230419

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

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

- **Undergraduate and Postgraduate Programmes**

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

- **MS and Ph.D Programmes**

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

- **Academic Achievements**

- 4 M.Phil.

DEPARTMENT OF MATHEMATICS

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

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

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

- **Undergraduate and Postgraduate Programmes**

- B.S. 4 Years
- M.Sc. 2 Years

- **M.Phil. and PhD Programmes**

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

- **Academic Achievements**

- 12 Ph.D. Scholars completed their Ph.D.
- 16 M.Phil. Scholars completed their M.Phil.
- 41 M.Sc. students completed their M.Sc.
- 21 BS students completed their BS.

- **Foreign Academic Linkages**

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



- **Honours and Awards**
 - Best Research Paper Award awarded to Prof. Dr. Muhammad Sharif by Higher Education Commission (2014).
- **Institutional Linkages**
 - External Examiners from deferent Universities for Viva Voce of M.Phil. and Ph.D.
 - 02 Post-graduate colleges are affiliated with the department at M.Sc. level.

DEPARTMENT OF PHYSICS

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

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

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

- **Undergraduate and Postgraduate Programmes**
 - BS (H) in Physics–Regular Undergraduate
 - M.Sc. Physics – Regular (Morning)..... Postgraduate
- **MPhil and PhD Programmes**
 - M.Phil – Regular
 - PhD – Regular
- **Academic Achievements**
 - The total number of students who have completed their degrees during 01.10.2013 to 30.09.2014 is 61 (16 BS, 38 M.Sc.,06 M.Phil and 1 Ph.D.).38 research papers have been published in National and International Research Journals by the faculty members in the last academic year and many are submitted.
- **Foreign Academic Linkages**

Here is a list of some foreign institutions:

 - Department of Radiation Medicine, University of Kentucky, USA.
 - Southside Regional Medical Centre, Petersburg, VA, USA.
 - Department of Electrical Engineering and Computer Science, Michigan State University, USA.
- **Institutional Linkages**
 - PINSTECH- Islamabad, INMOL- Lahore, Shaukat Khanum Hospital- Lahore, SUPARCO- Lahore, Govt. College University- Lahore, Centre of Excellence in Solid State Physics Department of Meteorology- Lahore and PCSIR-Lahore.

DEPARTMENT OF SPACE SCIENCE

Telephone (s): +92-42-99239294,35952996

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

- **Undergraduate and Postgraduate Programmes**
 - B.S in Space Science..... Undergraduate
 - M.Sc in Space Science Postgraduate



- **MS and PhD Programmes**
 - M.Phil in Space Science – Regular
 - PhD – (old scheme)
- **Academic Achievements**
 - Admission to all the academic programs were successfully made;
 - Examinations to all the academic programs were timely conducted and results were also announced well within stipulated time;
- **Institutional Linkages**
 - SUPARCO
 - Urban Unit
 - WWF
 - NESPAK

Soil and Geological Survey of Pakistan

INSTITUTE OF CHEMISTRY

Telephone (s): +92-42-99230463

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

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

- The Institute of Chemistry was established under the name of University Chemical Laboratories in June, 1923. The building was designed in Indo-Saracenic style. The opening ceremony was performed by Sir E.D. MaClagan, the then Governor of the Punjab and Chancellor of the University on 22nd March, 1924. It was the first discipline in science that was started at the University. The Institute had a leading role in teaching and research before independence. The present name, Institute of Chemistry was adopted in 1943 and at that time, there were three sections namely Physical, Inorganic and Organic. After independence two more sections namely Biochemistry and Pharmaceutical Chemistry were introduced. In 1950, Pharmaceutical section was raised to a separate department (now Faculty of Pharmacy). Mineral Chemistry section remained in the Institute of Chemistry for a couple of years which was upgraded to the Department of Geology (now Institute of Geology). In 1980, three more sections, i.e., Analytical, Applied and Nuclear Chemistry were introduced.
- Over the past years, the Institute of Chemistry has privilege to produce many eminent Scientists of National and International repute. The graduates of this Institute are holding positions of eminence in Education, R & D Organizations and Industries as well as in administration at home and abroad. Dr. Khorana, student of this Institute, has been awarded Nobel Prize. Many others have also gained international recognition in higher education and research. The Institute remained well known for its pioneer work in some fields of research, i.e., Magneto chemistry,



Carbohydrate Chemistry etc., and many renowned Scientists including Professor A.H. Compton, a Noble laureate, worked in the laboratories of this Institute. The Institute of Chemistry offers B.S, M.S., M.Sc., M.Phil and Ph.D. programs.

INSTITUTE OF GEOLOGY

Telephone (s): +92-42-992230467, 99231251,99231252

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

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

• Undergraduate and Postgraduate Programs

- During the academic session 2013-2014 the Institute of Geology enrolled 124 students in BS Applied Geology (04 years) First Professional, Morning & Replica Programs, while 65 students in M.Phil Applied Geology and Geomatics and 12 students admitted in Ph.D. Applied Geology / Geomatics.

• M.Phil/PhD Programs

- Presently the Institute of Geology is running following M.Phil. / PhD programs with total strength of 115students.
 - M.Phil. Applied Geology
 - M.Phil. Geomatics
 - PhD Applied Geology
 - PhD Geomatics

• Foreign Academic Linkages

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

• Institutional Linkages

- Mines and Mineral Department Govt. of Punjab, Lahore
- Oil and Gas Development Corporation Limited(OGDCL),Islamabad
- Pakistan Atomic Energy Mineral Centre, Ferozepur Road, Lahore
- Environmental Protection Department(EPD), Govt. of the Punjab, Lahore
- Water and Power Development Authority(WAPDA), Lahore
- Pakistan Oil Fields Ltd.
- OMV Exploration Pakistan, Islamabad
- MOL Pakistan Oil and Gas Co. Islamabad



- Ocean Pakistan Limited.
- Associated Consultants Engineering (ACE), Lahore.
- National Engineering Services Pakistan(NESPAK), Lahore
- Road Research and Material Testing Institute, Canal Road, New Campus, Lahore
- Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Telephone (s): +92-42-99210969

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

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

- **Undergraduate and Postgraduate Programmes**

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

- **MS and PhD Programmes**

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

- **Foreign Academic Linkages**

- Dr. Zubair Nawaz, Assistant Professor – CUDA Teaching Center Grant from NVIDIA Corp.
- Dr. Waheed Iqbal, Assistant Professor (Big Data and Cloud Computing at PUCIT) has won Amazon Web Services (AWS) Education Grant of worth \$4,700 USD and
- Microsoft Azure Educator Grant of estimated total market value of \$42,400 USD.

SCHOOL OF PHYSICAL SCIENCES

Telephone (s): +92-42-99230234

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

Punjab University Gujranwala Campus

Telephone (s): +92-55-9200985-9201225-26

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

E-mail Address (s): registrar@pugc.edu.pk

- **Undergraduate and Postgraduate Programmes**

- BBA (Hons.), Four Year Program
- MBA (Hons.), 1 ½ Year Program
- B.Com (Hons.), Four Year Program



- M.Com, 3 ½ Year Program
- M.Com (Hons.), 1 ½ Year Program
- BS.IT, Four Year Program
- M.Sc. IT, Two Year Program
- LL.B, Three Year Program
- **Institutional Linkages**
 - All the four departments at the Gujranwala Campus i.e., Business Administration, Commerce, Information Technology, and Law, are working on the same lines as that of parent departments at Lahore.

Punjab University Jhelum Campus

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

- **Undergraduate and Postgraduate Programmes**
 - Undergraduate
 - BS (Hons) Computer Science
 - BBA (Hons)
 - B.Com (Hons)
 - Postgraduate
 - LL.B.
- **Academic Achievements**

The Punjab University Jhelum Campus was started in April 2012 & the second academic semester was completed within the prescribed duration.



Chapter

2

RESEARCH & DEVELOPMENT

- **Research & Development**

Projects: (i) Completed (ii) Newly launched

- Publications
- Conferences, Seminars and Workshops, etc.
- Research Journals
- Research Collaboration
 - Indigenous
 - Foreign Linkages
 - Funding grants for R&D
 - Operation of Office of Research, Innovation and Commercialization (ORIC)

**CHAPTER****2****Research & Development****Faculty of Arts & Humanities****CENTRE FOR SOUTH ASIAN STUDIES**○ **Research & 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 2013 to September 2014, the Centre has organized nine seminars as well as one National Conference on ‘Post-2013 General Elections in Pakistan: Challenges and Options’ in collaboration with Department of Political Science, University of the Punjab, Lahore. The Centre has published five publications (3 books and 2 issues of its Bi-annual journal – South Asian Studies i.e. Vol.28-1 No. 2 & Vol. 29, No. 1).

- Publications: Books/ Edited

Books:

1. Baba Guru Nanak by Prof. Dr. Muhammad Jahangir Tamimi
2. South Asia and the World by Prof. Dr. Umbreen Javaid
3. Afghan US Relations and its Impact on Pakistan by Dr. Naheed S. Goraya

Conference:

National Conference on “Post-2013 General Elections in Pakistan: Challenges and Options” was held on 13.03.2014. The conference was organized by the Centre for South Asian Studies in collaboration with Department of Political Science, University of the Punjab, Lahore.

Seminars:

| | | | |
|---|--|---|------------|
| 1 | Post-2014 Afghanistan | Mr. Ahmed Rashid | 29-11-2013 |
| 2 | Geo-Politics of Pakistan | Brigadier (R) Nadir Mir | 16-01-2014 |
| 3 | Sino-India Relations: Implications for Pakistan | Mr. Xiao Jainming | 07-02-2014 |
| 4 | Complexity of Pakistan – India Relations | Mr. Javaid Hussain | 02-04-2014 |
| 5 | World Shipping Challenges & Opportunities | Comodor Obaid-ullah & Comodor Naveed Ahmad | 07-04-2014 |
| 6 | Pakistan’s Relations with Major Powers-Russia, | Mian Khurshid Mahmood Kasuri | 18-04-2014 |



| | | | |
|---|---------------------------|------------------------|------------|
| | China & the United States | | |
| 7 | Nuclear Proliferation | Mr. Shaukat Umer | 30-04-2014 |
| 8 | Present Role of SAARC | Prof. Dr. Moonis Ahmar | 23-05-2014 |
| 9 | Iran, Pak Gas Pipeline | Dr. Gulfraz Ahmad | 05-09-2014 |

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 in 2013-14.
 - South Asian Studies Vo. 28 Issue. 2
 - South Asian Studies Vol. 29 Issue. 1

Research Collaboration

- Funding grants for R & D
- Operation of Office of Research, Innovation and Commercialization (ORIC)

COLLEGE OF ART & DESIGN**Research & Development – An Overview**

Prof. Dr. Shaukat Mahmood was serving as an HEC Professor under Foreign Faculty Hiring Programme for the last 8 years.

After expiry of the FFHP Scheme, Prof. Dr. Shaukat Mahmood and Prof. Dr. Naseem Akhtar Said have been serving as a Professor (on contract basis). They are actively engaged with students' research projects and the course work as well.

Projects:**Completed**

- Prof. Dr. Shahida Manzoor has completed and submitted to concerned authority a Research Project on "Political Connotation on the Art of Pakistani Artists" of six months duration funded by the Honorable Vice-Chancellor of the Punjab University.
- Prof. Dr. Shaukat Mahmood has completed and submitted to concerned authority a Research Project on "Documentation on Cholistan" of six months duration funded by the Honorable Vice-Chancellor of the Punjab University.

Newly launched

- Prof. Dr. Shahida Manzoor has launched a new project entitled "Contemporary Art in Pakistan".
- Prof. Dr. Shaukat Mahmood has launched a new project entitled "Architecture Pakistan: Muslim Monuments".
- Prof. Dr. Shaukat Mahmood has launched a new project entitled "Islamic Calligraphy Techniques and Styles".



Publications:

- (Kindly see the HEC rules for Fine Arts regarding equivalence of Publications, Exhibitions and Professional Projects.)

Prof. Dr. Shaukat Mahmood:

- Prof. Dr. Shaukat Mahmood published a book entitled “Democracy is the Best Revenge.” Collection of 219 cartoons on political issues of national and international level.
- Besides, the following articles have been published by Prof. Dr. Shaukat Mahmood during the period in question:
 - **Han Yang Ling Mausoleum, Xi’an**
Sunday Plus of Daily *The Nation*
October 20, 2013.
 - **Not the Kung Fu Panda**
Article on the Panda Conservation programme
In Chengdu, China
Sunday Plus of Daily *The Nation*
October 27, 2013.
 - **The Lion King. Shershah Suri**
Heritage, Islamabad
Issue 19, October 2013.
 - **The Terracotta Army**
Heritage, Islamabad
Issue 19, October, 2013.
 - **The Marvels of Makli**
Heritage, Islamabad
Issue 19, October, 2013.
 - **Great Mosque of Xi’an**
Sunday Plus of Daily *The Nation*
November 24, 2013.
 - **Women of Architecture**
Sunday Plus of Daily *The Nation*
December 01, 2013.
 - **Discovering the Magic of Chinikhanas**
Heritage, Islamabad
Issue 17, 2013.
 - **The Enchantment of Rectangular Kufi in Islamic Architecture**
Heritage, Islamabad
Issue 17, 2013.



- **Miss Qazi and my Portrait**
DS (Designers Style)
Vol.3 No.2
Sep-Nov., 2013.
- **Great Buddha of Leshan**
DS (Designers' Style)
Vol. 3, No.2
Sep. Nov., 2013.
- **Heritage Horror**
Sunday Plus of Daily ***The Nation***
December 29, 2013.
- **Mughal Architecture in Lahore**
Sunday Plus of Daily ***The Nation***
January 19, 2014.
- **A Mughal Period Mosque in Multan**
Sunday Plus of Daily ***The Nation***
February 02, 2014..
- **Mughal Architecture in Lahore**
Heritage, Islamabad
Issue 20, February 2014.
- **Women of Architecture**
Heritage, Islamabad
Issue 20, February 2014.
- **A Mughal Period Mosque in Multan**
Heritage, Islamabad
Issue 20, February 2014.
- **Heer & Major Romances of the World**
Sunday Plus of Daily ***The Nation***
August 24, 2014.
- **Evolution and Development of Mughal Garden**
Sunday Plus of Daily ***The Nation***
September 07, 2014.
- **Sohni the beautiful**
Sunday Plus of Daily ***The Nation***
September 14, 2014.
- **Ghazni : A city fallen into oblivion**



Sunday Plus of Daily **The Nation**

October 26, 2014.

○ **Evolution and Development of Mughal Garden**

Designers' Style

Vol.4 No. 1, August-September 2014.

○ **A Waning Architectural Heritage Haveli of Naunehal Singh**

Designers' Style

Vol. 4, No.1, August-September 2014.

Prof. Dr. Shaukat Mahmood, as a Cartoonist under *nom de plume* of Maxim

- Professional cartoonist in various leading dailies, weeklies and monthlies of Pakistan
- Have given several demonstration on cartoon and drawing on Pakistan Television, Lahore station,
- Have given talks on Pakistan Architectural Heritage on various TV Channels.

MR. AMJAD PERVEZ:

Took part in the following professional projects in context of design, concept development, layout, exhibitions, pre-production, printing and post production:

- 41 Prospectus of various departments of University of the Punjab, Lahore in 2014.
- 38 Research Journal of Arts & Humanities for various departments of the University of the Punjab, Lahore in 2014.
- 15 Scientific Journals for various departments of the University of the Punjab, Lahore in 2014.
- Book cover and layout for the book written by Mujahid Kamran, Vice Chancellor, University of the Punjab, Lahore "Relativistic Quantum Mechanism".
- Participated in the 28th Exhibition of Painting, Sculpture and Graphic Arts organized by Artist's Association of Pakistan in January, 2014.
- Book jacket and layout for the book written by Mujahid Kamran, the Vice Chancellor, University of the Punjab, Lahore "Saneha e September aur Naya World Order".
- Wall Calendar of Institute of Chemical Engineering & Technology, University of the Punjab, Lahore in 2014.
- Book cover and layout for the book written by Amjad Islam Amjad "Centos Poesie D'Amore".
- Fact Book for the Institute of Social & Cultural Studies, University of the Punjab, Lahore in 2014.
- Fact Book for Punjab University College of Information Technology, University of the Punjab, Lahore in 2014.
- Title of Telephone Directory for University of the Punjab, Lahore in 2014.
- Degree Folder, File Folder and Banners etc. for the College of Pharmacy Convocation, 2014.
- Designed 04 different Eid Cards and seasons greeting cards for Vice Chancellor Office.
- 02 different Ramadan Calendar for University of the Punjab, Lahore in 2014.
- Annual Report 2013 in 2014 for University of the Punjab, Lahore.



- Book cover and layout for the book written by Naela Amir, Assistant Professor, University College of Art & Design, University of the Punjab, Lahore “All This Heaven Too”.
- Exhibition “The River Sutra” by Mughees Riaz, Design Campaign in 2014.
- Redesigned the Stationery for University of the Punjab Administration, Lahore.
- 02 different Admission Regulations 2014, for the Controller of Examinations Office.
- Result Gazetter 2014 for the Controller of Examinations Office.
- Redesigned the Stationery 2014, for the Controller of Examinations Office, University of the Punjab, Lahore.
- Banners and Pole Signs of Prime Minister Laptop Scheme 2014.
- Book cover and layout for the book written by Syed Karim Haider, “Pakistan Journal Election.”
- Redesigned the Interface of the Website of University of the Punjab, Lahore in 2014.
- Designed and produced Wall Calendar, Table Calendar, Executive Diary, Pocket Diary, Note Book/ Year Planner and Carry Bags for University of the Punjab, Lahore in 2014.
- Designed and produced Degree Cover, ID Tag, Backdrop and other material for Convocation Campaign for University of the Punjab, 2014.
- Banners, Posters, Stalls and Standees for the Book Fair 2014 in University of the Punjab, Lahore.
- Fact Book 2013 designed in 2014 for Vice Chancellor Office, University of the Punjab, Lahore.

MR. MUHAMMAD ARIF KHAN:

- Participated in 28th Exhibition of Painting, Sculpture and Graphic Arts, organized by the Artists Association of Punjab. January, 2014.
- Participated in a Group Show of Paintings at the Book Launch of “A Journey of Resilience and Success: 1940-2013” at Alhamra Art Gallery Lahore. November 2014.
- Participated in a Group Show of Paintings at Musawwar Art Gallery Dubai, 2014.
- Participated in Design of Wall Calendar of Institute of Chemical Engineering & Technology, University of the Punjab, Lahore. 2014.
- Participated in a Group Show of Calligraphic Paintings entitled ‘Hurrof’ by tones prominent Calligraphers at Satrang Art Gallery, Islamabad. July, 2014.
- Participated in the “Exhibition of Calligraphy at Sahiwal Arts Council in collaboration with Punjab Council of the Arts, Sahiwal. July, 2014.
- Participated in Design of 02 different Ramadan Calendar for University of the Punjab, Lahore. 2014.
- Participated in 28th Annual Exhibition of Painting, Sculpture and Graphic Arts organized by Artists Association of Punjab at Alhamra Art Gallery. January, 2014.
- Participated in Advertising Campaign for Prime Minister Laptop Scheme. 2014.
- Participated in Group Show entitled “Resonating Script II-Islamic Calligraphy Exhibition at Musawwar Art Gallery Dubai. 2014.



MS. NAELA AMIR:

- Participated in the Painting Exhibition by Eminent Painters of the College of Art & Design at Al-Hamra Art Gallery. November, 2014.
- Participated in the Painting Exhibition by Women Artists in connection with Women's Day, organized by the Punjab Arts council held on March 6, 2014 at the Lahore City Heritage Museum inaugurated by Madam Hameeda Waheed ud Din, Minister for Women Development, Punjab.
- Participated in the Annual Exhibition of Paintings, Sculpture and Graphic Arts 2014 (13th National Show at Al-Hamra Art Gallery Lahore organized by the Artists Association of Punjab from Jan-Feb., 2014.
- Group Show of Painting Peace and Prosperity at Coopera Art Gallery, Lahore. September, 2014.
- Participated in Group Show Rhapsody in Green at Royaat Art Gallery, Defence, Lahore. November, 2014.
- Project: Design, layout and book cover of Book "All this and Heaven Too", at Punjab University Press and Publications with Director Press, Mr. Amjad Pervez.
- Took part in design layout and planning of the Design campaign of "The River Sutra", a catalogue of Painting Exhibition by Mughees Riaz, 2014.
- Part of team working on design and execution of Banners and Pole Sign of Prime Minister Youth Laptop Scheme.

Mr. HABIB ALAM:

- Group Exhibition by Artists Association of Punjab (Painting, Graphic Art, Sculpture) at Al-Hamra, 2014.
- Darbar e Fun (National Exhibition) at Al-Hamra. December, 2014.
- An Article: "A Journey of Resilience and Success: 1940 to 2013". 2014.

MR. MUGHEES RIAZ:

- Solo Exhibition of Painting "The River Sutra" at Ejaz Art Gallery. April, 2014.
- 2 Persons Show, Tanzara Art Gallery, Islamabad. November, 2014.
- Contemporary vision of Pakistani Art: Group Exhibition. Clifton Art Gallery, Karachi. October, 2014.
- Group Exhibition, Artists Association of Punjab, Alhamra Art Gallery, Lahore. January, 2014.
- Lahore Art Scene: Group Exhibition. Art Scene Gallery Karachi. December, 2014.
- A Journey of Resilience and Success: 1940-2013. Group Exhibition. Alhamra Gallery Lahore. November, 2014.
- Resident Ambassadors Art Gallery 6. Islamabad. January, 2014.
- 27th Annual Exhibition of Painting by Artist's Association of Punjab at Alhamra Art Gallery Lahore. February, 2014.



- Summer Exhibition, Group Show, Canvas Gallery, Karachi. July, 2014.
- Exhibition by eminent Painters of the College of Art & Design at Alhamra Gallery Lahore. November, 2014.

MR. ALI AZMAT:

- 4 Person Show at Mussawwar Art Gallery. Dubai. November, 2014.
- 11 Artists from Pakistan: Group Exhibition. Lalit Art Gallery. Dehli. India. August, 2014.
- Art From Pakistan: Group Exhibition Nitanjali Gallery. Dehli. India. December, 2014.
- Pakistan Art Today: Group Exhibition. Doha. December, 2014.

MS. AQSA MALIK:

- Participated in the Painting Exhibition by Women Artists in connection with Women's Day organized by the Punjab Arts council held on March 6, 2014 at the Lahore City Heritage Museum Lahore inaugurated by Madam Hameeda Waheed ud Din, Minister for Women Development. Punjab. March, 2014.
- Participated in the Annual Exhibition of Painting, Sculpture and Graphic Arts 2014 (13th National Show at Alhamra Art Gallery Lahore organized by the Artists Association of Punjab. January-February, 2014.
- Project helping in Design, Layout and Book Cover of Book "All this Heaven Too" at Punjab University Press and Publication with Director Press, Mr. Amjad Pervez.
- Took part in design, layout and planning of the design campaign of "The River Sutra", a Catalogue of Painting Exhibition by Mughees Riaz, 2014.
- Part of team working on design and execution of banners and pole sign of Prime Minister Laptop Scheme.

MS. HUMERA OMER:

- Took part in design layout and planning of the design campaign of "The River Sutra" a catalogue of Painting exhibition by Mughees Riaz. 2014
- Part of team working on design and execution of Banners and Pole sign of Prime Minister Laptop Scheme.
- Designed the prospectus for University College of Art and Design. 2014
- Part of design team for designing Wall and table Calendars of Punjab University.
- Participated in Designing 02 different Ramadan Calendar for University of the Punjab. 2014
- Book cover and layout for the book "All this Heaven too".
- Participated in stationery for University of the Punjab Administration, Lahore.

Conferences, Seminars and Workshops, etc.

Prof. Dr. Shahida Manzoor **organized / participated in the following seminars and conferences, exhibition, etc.**



- **2014:** Book Launch Ceremony of the books *Tamasha* and *Art Kia Hai* by Hasan Shahnawaz Zaidi on 24.10.2014 at the Grand Hall, Old Campus, Lahore, Chief Guest Prof. Dr. Mujahid Kamran, Vice-Chancellor, PU, Lahore and Mr. Amjad Islam Amjad.
- **2014:** A Seminar on “Muslim Aesthetics” held on 27.10.2014 at Anna Molka Art Gallery, UCAD. Dr. Mamoona Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
- **2014:** A Seminar on “Pakistani Contemporary Art” held on 22.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** A Seminar on “Word and Image: Sherin Nishat” held on 15.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiq from Lahore College for Women University, Lahore was the Guest Speaker.
- **2014:** A Seminar on “Research Methodology” held on 8.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** Participated in the Painting Exhibition by Women Artists in connection with Women’s Day organized by the Punjab Arts Council held on 6th March 2014 at the Lahore City Heritage Museum Lahore inaugurated by Madam Hameeda Waheed ud Din, Minister for Women Development Punjab.
- **2014:** Participated In the “28th Annual Exhibition of Painting, Sculpture and Graphic Arts- 2014 (13th National Show” at Al-hamra Art Gallery Lahore organized by the Artists’ Association of Punjab from Jan 29, 2014 to Feb 15, 2014.
- **2014:** Book Launch Ceremony of the books *Tamasha* and *Art Kia Hai* by Hasan Shahnawaz Zaidi on 24.10.2014 at the Grand Hall, Old Campus, Lahore, Chief Guest Prof. Dr. Mujahid Kamran, Vice-Chancellor, PU, Lahore and Mr. Amjad Islam Amjad.
- **2014:** A Seminar on “Muslim Aesthetics” held on 27.10.2014 at Anna Molka Art Gallery, UCAD. Dr. Mamoona Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
- **2014:** A Seminar on “Pakistani Contemporary Art” held on 22.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.



- **2014:** A Seminar on “Word and Image: Sherin Nishat” held on 15.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore was the Guest Speaker.
- **2014:** A Seminar on “Research Methodology” held on 8.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** Attended a national conference on “Democracy and Governance in Pakistan: Challenges and Opportunities” organized by Pakistan Study Centre, Punjab University, Lahore on 20.8.2014 at Al-Razi Hall, Undergraduate Block, PU, New Campus, Lahore. Prof. Dr. Muhammad Waseem and Prof. Dr. Hasan Askari Rizvi were the keynote speakers.
- **2014:** Attended an International “Punjabi Sufi Conference” organized by the Department of Punjabi Language and Literature, Punjab University Oriental College, Lahore on 12-13 March, 2014.
- **2014:** Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore in the Anna Molka Art Gallery, UCAD, University of the Punjab, Lahore on 23.1.2014 at 10.00 a.m. A group of American Artists were the guest speakers.
- **2013:** Attended a Seminar on “Crisis of Culture” organized by the Artists’ Association of Punjab in collaboration with Pakistan National Council of the Arts at Al-Hamra Hall No.3, The Mall, Lahore on 31.12.2013 at 2.00 p.m.

Prof. Dr. Shaukat Mahmood **attended the following seminars, conferences etc.:**

- Book Launch Ceremony of the books *Tamasha* and *Art Kia Hai* by Hasan Shahnawaz Zaidi on 24.10.2014 at the Grand Hall, Old Campus, Lahore, Chief Guest Prof. Dr. Mujahid Kamran, Vice-Chancellor, PU, Lahore and Mr. Amjad Islam Amjad.
- A Seminar on “Muslim Aesthetics” held on 27.10.2014 at Anna Molka Art Gallery, UCAD. Dr. Mamoon Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
- A Seminar on “Pakistani Contemporary Art” held on 22.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- A Seminar on “Word and Image: Sherin Nishat” held on 15.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.



- A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore was the Guest Speaker.
- A Seminar on “Research Methodology” held on 8.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- Book Launch Ceremony of the books *Tamasha* and *Art Kia Hai* by Hasan Shahnawaz Zaidi on 24.10.2014 at the Grand Hall, Old Campus, Lahore, Chief Guest Prof. Dr. Mujahid Kamran, Vice-Chancellor, PU, Lahore and Mr. Amjad Islam Amjad.
- A Seminar on “Muslim Aesthetics” held on 27.10.2014 at Anna Molka Art Gallery, UCAD. Dr. Mamoon Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
- A Seminar on “Pakistani Contemporary Art” held on 22.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- A Seminar on “Word and Image: Sherin Nishat” held on 15.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore was the Guest Speaker.
- A Seminar on “Research Methodology” held on 8.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- **2014:** Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore in the Anna Molka Art Gallery, UCAD, University of the Punjab, Lahore on 23.1.2014 at 10.00 a.m. A group of American Artists were the guest speakers.

Mr. Amjad Pervez:

- Conducted a “Pre-Press” workshop for the students of College of Art & Design at Department of Press & Publication, University of the Punjab, Lahore. March, 2014.
- Conducted a workshop on “Four Color Reproduction” for the students of College of Art & Design and workers of Department of Press & Publications. University of the Punjab, Lahore. September. 2014
- Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore. In the Anna Molka Art Gallery, UCAD, University of the



- Punjab, Lahore. On 23-01-2014 at 01:00 am A group of American Artists were the guest speakers.
- Attended a Seminar on “Research Methodology” held on 08-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest speaker.
 - Attended a seminar on “history of Graphic Design Poster” held on 10-09-2014 at the Research Centre of UCAD Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore. Was the Guest Seaker.
 - Attended a Seminar on “Muslim Aesthetics” held on 27-10-2014 at Anna Molka Art Gallery, UCAD Dr. Mamoona Khan, Associate Professor, govt. College fo Women, satellite Town, Rawalpindi was participated as Guest Speaker.

Seminars at International / National Level

- Attended an international Punjabi Sufi Conference organized by the Department of Punjabi Language and Literature, Punjab University Oriental College, Lahore. In 12-13 March, 2014.
- Attended an International Seminar on Pak China Relations “The Growing Economic Ties” in the Department of Pakistan Study Centre, University of the Punjab, Lahore. On 26 March 2014.
- Attended a 24th International Pakistan History Conference on History and Historiography of South Asia at the Department of History, University of the Punjab Lahore on 14th April 2014.
- Attended a Seminar on “word and Image: Sherin Nishat” held on 15-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- Attended a 2nd International Research & Education Conference on Innovation in Teaching and Learning (1 Core) at Institute of Education & Research, University of the Punjab, Lahore. 18th to 19th October 2014.
- Attended a Seminar on “French influence on Architecture during the Enlightenment” held on 19-11-2014 at Anna Molka Art Gallery, UCAD A French Scholar Dr. Francoise Dasques, Research Associate, Centre for Mexican and American Studies, Russia was the Guest Speaker.
- Attended an International Conference on Social Policy Model & Social Quality in relations to Chinese, at Centre of South of Asian Studies, University of the Punjab, Lahore. 21st November 2014.
- Attended an International Conference on Negotiation Ethnicity experiences of South Asia & America at Centre of South of Asian Studies, University of the Punjab, Lahore. 24th November 2014.



- Participated an international Printing and Graphic and Graphic Arts Exhibition in the Expo Centre Lahore. Pakistan on 28-30 November 2014
- Attended a Seminar on Highlighting Different Perspectives: Art and Culture in Regions of Conflict Held on 25-11-2014 at 11:00am in the Research Centre of UCAD. Mr. Dan Gorman and Ryan Van from the British Council were the Guest Speakers.

Mr. Muhammad Arif Khan

- Participated in a “Pre-Press” workshop for the students of College of Art & Design at Department of Press & Publications, University of the Punjab, Lahore. March, 2014
- Participated in a workshop on “Four Colour Reprodction” for the students of College of Art Design and workers of Department of Press & Publications, University of the Punjab Lahore. September, 2014
- Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore. In the Anna Molka Art Gallery, UCAD, University of the Punjab Lahore on 23-01-2014 at 10:00am Agroup of American Artists were the guest speakers.
- Attended a Seminar on “Research Methodology” held on 08-09-2014at the research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest speaker.
- Attended a Seminar on “History of Graphic Design Posters” held on 10-09-2014 at the Researc Centre of UCAD. Ms. Ayesha Siddiqa from Lahore. College for Women University, Lahore was the Guest Speaker.
- Attended a Seminar on “Muslim Aestheitcs” held on 2710-2014 at Anna Molka Art Gallery, UCAD Dr. Mamoona Khan, Associate Professor, govt. College for women. Satelite Town, Rawalpindi was participated as Guest Speaker.

Seminars at International / National Level

- Participated an international Printing and Graphic and Graphic Arts Exhibition in the Expo Centre Lahore. Pakistan on 28-30 November 2014.
- Attended a Seminar on “French Influences on Architecture during the Enlightenment” held on 19-11-2014 at Anna Molka Art Gallery, UCAD. A French Scholar Dr. Francoise Dasques, Research Associate, Centre for Mexican and American Studies, Russia was the Guest Speaker.
- Attended a Seminar on “word and Image: Sherin Nishat” held on 15-09-2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.



- Attended an International Conference on Social Policy Model & Social Quality in relations to Chinese, at Centre of South of Asian Studies, University of the Punjab, Lahore. 21st November 2014.
- Attended an International Punjab Sufi Conference organized by the Department of Punjabi Language and Literature, Punjab University Oriental College, Lahore. On 12-13 March, 2014.
- Attended a 24th International Pakistan History Conference on the History and Historiography of South Asia at the Department of History, University of the Punjab, Lahore on 14th April 2014.
- Attended a Seminar on Highlighting Different Perspectives: Art and Culture in Regions of Conflict held on 25-11-2014 at 11:00am in the Research Centre of UCAD, Mr. Dan Gorman and Ryan Van from the British Council were the Guest Speakers.
- Attended an International Seminar on Pak China Relations “The Growing Economic Ties” in the Department of Pakistan Study Centre, University of the Punjab, Lahore on 26 March 2014

Ms. Naela Amir

- A Seminar on Techniques, Styles and Aysthetics held on 27-11-2014 at 11 am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasan Free Lance Visual Artist was the Guest Speaker.
- A Seminar on “Highlighting Different Perspectives: Art and Sculpture in Regions of Conflicts” on 25-11-2014 Research Centre of UCAD. Mr. Dan Gorman and Ryan Van Winkle from the British Council were the Guest Speakers.
- Book Launch Ceremony of a “Journey of resilience and Success 1940-2013 College of Art & Design, University of the Punjab” by Marjorie Hussain on 11-11-2014. At Alhamra Hall no.3, Mall Road, Lahore. Chief Guest Speaker Syed Badar Ali.
- Book Launch of Books “Tamasha and Art Kia Hay by Hasan Shahnawaz Zaidi on 24-10-2014 at the Grand Hall, Old Campus, Lahore. Chief Guest Prof. Dr Mujahid Kamran, Vice Chancellor, PU, Lahore. And Mr. Amjad Islam Amjad.
- A Seminar on “Muslim Aesthetics: held on 27-10-2014 at the Research Center of UCAD. Dr. Mamoona Khan, Associate Professor, Govt. College of Women, Satellite Town, Rawalpindi was the Speaker.
- A Seminar on “Pakistani Contemporary Art” held on 22-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Common Wealth University, USA was the Guest Speaker.
- A Seminar on “Word and Image: Sheren Nishat” held on 15-09-2014 at the Research Centre, UCAD by Ms. Samina Iqbal Virginia Common Wealth University.
- A Seminar on the “History of Graphic Design Poster” held on 10-09-2014 at the Research Centre of UCAD by Ayesha Siddiqa from Lahore College for Women University, Lahore.



- A Seminar on “Research Methodology” held on 08-09-2014 at the Research Center by Ms. Samina Iqbal, Virginia Commonwealth University, USA.
- Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore. At the Anna Molka Art Gallery, PU. 23-01-2014.

Seminars at International / National Level

- Attended an International Punjabi Conference organized by the Department of Punjabi Language and Literature, Punjab University.
- Attended an International Seminar on Pak China Relations “The Growing Economics Ties” in the Department of Pakistan Studies Center. University of the Punjab, Lahore. On 26 March 2014
- Attended a 24th International Pakistan History Conference on History and Historiography of South Asia at the Department of History, University of the Punjab, Lahore. On 26 March 2014.
- Attended a 2nd International Research & Education Conference on Innovation in Teaching and Learning (I-Core) at Institute of Education & Research, University of the Punjab, Lahore. 18th to 19th October 2014.
- Attended an International Conference on Social Policy Model & Social Quality in Relations to Chinese at Center of South Asian Studies, University of the Punjab, Lahore. 24th November 2014.
- Participated in the International Printing and Graphic And Graphic Arts Exhibition at the Expo Center Lahore, Pakistan. 28-30 November 2014.

Mr. Habib Alam

- Attended a Seminar on “Research Methodology” held on 08-09-2014 at the Research, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the guest Speaker.
- Attended a Seminar on “History of Graphic Design Poster” held on 10-09-2014 at the Research Centre of KUCAD. Ms. Ayesha Sidiqa from Lahore College for Women University, Lahore. Was the guest Speaker.
- Attended a seminar on “word and Image: Sherin Nishat” held on 15-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth university, USA was the Guest Speaker.
- Attended a seminar on “Pakistani Contemporary Art” held on 22-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.



- Attended a seminar on “Muslim Aesthetic” held on 27-10-2014 at Anna Molka Art Gallery, UCAD Dr. Mamoona Khan, Associate Professor, Govet. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
- Attended a seminar on “French Influences on Architecture during the Enlightenment” held on 19-11-2014 at Anna Molka Art Gallery, UCAD A French Scholar Dr. Francoise Dasques, Research Associate, Centre for Mexican and American Studies, Russia was the Guest Speaker.
- Attended a seminar on Highlighting Different perspectives: Art and Culture in Regions of Conflict held on 25-11-2014 at 11:00am in the research Centre of UCAD Mr. Dan Gorman and Ryan Van from the British Council were the Guest Speakers.
- Attended a Seminar on Techniques, Styles and Aesthetics held on 27-11-2014 at 11:00am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasan Free Lance Visual Artist was the Guest Speakers.

Seminars at International / National Level

- Attended an International Punjabi Sufi Conference organized by the Department of Punjabi Language and Literature, Punjab University oriental College, Lahore. On 12-13 March 2014
- Attended an International Seminar on Pak China Relations “The Growing Economic Ties” in the Department of Pakistan Study Center, University of the Punjab Lahore. On 26 March 2014
- Attended a 24th International Pakistan history Conference on History and Historiography of South Asia at the Department of History, university of the Punjab, Lahore. On 14th April 2014.
- Attended a 2nd International Research & Education Conference on Innovation in Teaching and Learning (1 Core) at Institute of Education & Research, university of the Punjab, Lahore. 18th to 9th October 2014.
- Attended an International Conference on Social Policy Model & Social Quality in Relations to Chinese, at Centre of South of Asian Studies, University of the Punjab Lahore. 21st November 2014.

Mr. Muhammad Atif Amir

- Attended a Seminar on “Research Methodology” held on 08-09-2014 at the Reearch, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the guest Speaker.
- Attended a Seminar on “History of Graphic Design Poster” held on 10-09-2014 at the Research Centre of UCAD. Ms Ayesha Siddiqa From Lahore. College for Women University, Lahore. Was the Guest Speaker.



- Attended a seminar on “Word and Image: Sherin Nishat” held on 15-09-2014 at the research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, UCAD was the Guest Speaker.
- Attended a Seminar on “Pakistani Contemporary Art’ held on 22-09-2014 at the Research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speakers.
- Attended a Seminar on “Muslim Aesthetics” held on 27-10-2014 at Anna Molka Art Gallery, UCAD Dr. Mamoon Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
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- Attended a Seminar on Highlighting Different perspectives: Art and Culture in Regions of Conflict held on 25-11-2014 at 11:00am in the research Centre of UCAD Mr. Dan Gormen and Ryan Van From the British Council were the Guest Speakers.
- Attended a Seminar on Techniques, Style and Aesthetics held on 27-11-2014 at 11:00am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasen Free Lance Visual Artist was the Guest Speakers.

Seminars at International / National Level

- Attended an International Punjabi Sufi Conference organized by the Department of Punjabi Language and Literature, Punjab University oriental College, Lahore. On 12-13- March 2014.
- Attended an International Seminar on Pak Chine Relations “The Growing Economic Ties” in the Department of Pakistan Study Centre, University of The Punjab, Lahore on 26 March 2014
- Attended a 24th International Pakistan History Conference on History and Historiography of South Asia at the Department of History, University of the Punjab, Lahore on 14th April 2014.
- Attended a 2nd International Research & Educations Conference on Innovation in Teaching and Learning (I Core) at Institute of Education & Research, University of the Punjab, Lahore. 18th to 9th October 2014.
- Attended an International Conference on Social Policy Model & Social Quality in Relations to Chinese, at Centre of South of Asian Studies, University of the Punjab Lahore 21th November 2014.

Ms. Aqsa Malik

- A Seminar on Techniques, Styles and Aesthetics held on 27-11-2014 at 11:00 am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasan Free Lance Visual Artist was the Guest Speaker.



- A Seminar on Highlighting Different Perspectives: Art and Culture in Regions of Conflicts held on 25-11-2014. Research Center of UCAD Mr. Dan Gorman and Ryan Van Winkle from the British Council were the Guest Speakers.
- Book Launch Ceremony of A journey of Resilience and Success 1940-2013 College of Art & Design, University of the Punjab, by Marjorie Hussain on 11-11-2014 At Alhamra Hall no.3, Mall Road, Lahore, Chief Guest Speaker Syed Babar Ali.
- Book Launch of Books Tamasha and Art Kia Hai by Hasan Shahnawaz Zaidi on 24-10-2014 at the Grand Hall, Old Campus, Lahore. Chief Guest Prof. Dr. Mujahid Kamran, Vice Chancellor, PU, Lahore and Mr. Amjad Islam Amjad.
- A Seminar on Muslim Aesthetics held on 27-10-2014 at the Research Centre of UCAD Dr. Mamoon Khan, Associate Professor, Govt. College of Women, Satellite Town, Rawalpindi was the Speaker.
- A Seminar on “Pakistani Contemporary Art” held on 22-09-2014. at the Research Center, UCAD, Ms. Samina Iqbal, Doctoral Scholar, Virginia Common Wealth University, USA was the Guest Speaker.
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- A Seminar on The “History of Graphic Design Poster” held on 10-09-2014 at the Research Center of UCAD by Ayesha Siddiqi from Lahore College for Women University, Lahore.
- A Seminar on “Research Methodology” held on 08-09-2014 at the Research Centre by Ms. Samina Iqbal, Virginia Common Wealth University, USA.
- Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore. At the Anna Molka Art Gallery, PU. 23-01-2014 at 10am
- “The Growing Economics Ties” in the Department of Pakistan Studies Center, University of the Punjab, Lahore. On 26 March 2014.
- Attended the 24th International Pakistan History Conference on History and Historiography of South Asia at the Department of history. University of the Punjab, Lahore. On 26 March 2014.
- Attended an International Conference on Social Policy Model & Social Quality in Relations to Chinese at Center of South Asian Studies, University of the Punjab, Lahore. 24th November 2014.
- Participated in the International Printing and Graphic and Graphic Arts Exhibition at the Expo Center Lahore, Pakistan. 28-30 November 2014.

Mr. Mughees Riaz

- Participated in a “Pre-Press” workshop for the students of College of Art & Design at Department of Press & Publications, University of the Punjab, Lahore. March, 2014



- Participated in a workshop on “Four Color Reproduction” for the Students of College of Art Design and workers of Department of Press & Publication, University of the Punjab, Lahore. September, 2014
- Attended a talk on “Typography, Book Arts and Illustration” Organized by the UCAD University of the Punjab, Lahore in the Anna Molka Art Gallery, UCAD, University of the Punjab, Lahore on 23-01-2014 at 10:00am a Group of American Artists were the Guest Speaker.
- Attended a Seminar on “Research Methodology” held on 08-09-2014 at the Research Center, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- Attended a Seminar on “History of Graphic Design Posters” held on 10-09-2014 at the Research Center of UCAD Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore was the Guest Speaker.
- Attended a Seminar on “Muslim Aesthetics” held on 27-10-2014 at Anna Molka Art Gallery, UCAD Dr. Mamoona Khan, Associate Professor, govt. College for Women, Satellite Town, Rawalpindi was Participated as Guest speaker.

Seminars at International / National Level

- Attended a seminar on “French Influences on Architecture during the Enlightenment” held on 19-11-2014 at Anna Molka Art gallery, UCAD A French Scholar Dr. Francoise Dasques, Research Associate, Centre for Mexican and American Studies, Russia was the Guest Speaker.
- Attended a Seminar on “word and image: Sherin Nishat” held on 15-09-2014 at the research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia commonwealth University, USA was the Guest Speaker.
- Attended an international conference on Social | Policy Model & Social Quality in relations to Chinese, at Center of South of Asian Studies, university of the Punjab, Lahore 21st November 2014.
- Attended an international Punjabi Sufi conference organized by the department of Punjabi language and literature, Punjab university oriental college, Lahore on 12-13 March, 2014.
- Attended a 24th international Pakistan history conference on history and Historiography of South Asia at the Department of history, university of the Punjab, Lahore on 14th April 2014.
- Attended a seminar on highlighting Different Perspectives: Art and culture in Regions of conflict held on 25.11.2014 at 11:00 am in the Research Center of UCAD. Mr. Dan Gorman and Ryan Van from the British Council were the Guest Speakers.



- Attended an international Seminar on Pak china Relations “The Growing Economic Ties” in the Department of Pakistan Study Center, university of the Punjab, Lahore on 26 March 2014.

Mr. Azmat Ali

- Attended a Seminar on “research Methodology” held on 08-09-2014 at the research Centre, UCAD Ms. Samina Iqbal, Doctoral Scholar, Virginia commonwealth University, USA was the guest Speaker.
- Attended a Seminar on “History of Graphic Design Posters” held on 10-09-2014 at the research Center of UCAD Ms. Ayesha Siddiqa from Lahore College for Women University, Lahore was the Guest Speaker.
- Attended a Seminar on “word and Image Sherin Nishat” held on 15-09-2014 at the research Centre, UCAD Ms Samina Iqbal Doctoral Scholar Virginia Commonwealth university USA was the Guest Speaker.
- Attended a Seminar on “Pakistani Contemporary Art” held on 22-09-2014 at the research Centre UCAD Ms Samina Iqbal, Doctoral Scholar Virginia commonwealth University, USA was the Guest Speaker.
- Attended a Seminar on “Muslim Aesthetics” held on 27-10-2014 at Anna Mola Art gallery, UCAD Dr. Mamoona Khan, Associate Professor, Govt. College for Women, Satellite Town, Rawalpindi was participated as Guest Speaker.
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- Attended a Seminar on highlighting Different perspectives Art and Culture in Regions of Conflict held on 25-11-2014 at and Ryan Van from the British Council were the Guest Speaker.
- Attended a Seminar on Techniques, Styles and Aesthetics held on 27-11-2014 at 11:00am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasan Free Lance Visual Artist Was the Guest Speakers.

Seminars at International / National level

- Attended a 24th international Pakistan History conference on History and History, University of the Punjab Lahore on 14th April 2014.



- Attended a 2nd International research & Education Conference on Innovation in Teaching and Learning (1 Core) at Institute of Education & research, University of the Punjab, Lahore 18th to 20th October 2014.
- Attended an International Conference on Social Policy Model & Social Quality in relations to Chinese, at Centre of South of Asian Studies, University of the Punjab Lahore 21st November 2014.

Ms. Humera Omer Farooq

- Attended a Seminar on Techniques, Styles and Aesthetics held on 27-11-2014 at 11:00am in the Anna Molka Art Gallery of UCAD Ms. Rabia Hasan Free Lance Visual Artist Was the Guest Speakers.
- Attended a Seminar on highlighting Different perspectives Art and Culture in Regions of Conflict held on 25-11-2014 at and Ryan Van from the British Council were the Guest Speaker.
- Book Launch Ceremony of A journey of Resilience and Success 1940-2013 College of Art & Design, University of the Punjab, by Marjorie Hussain on 11-11-2014 At Alhamra Hall no.3, Mall Road, Lahore, Chief Guest Speaker Syed Babar Ali.
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- A Seminar on “Word and Image: Sherin Nishat” held on 15.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiq from Lahore College for Women University, Lahore was the Guest Speaker.
- A Seminar on “Research Methodology” held on 8.9.2014 at the Research Centre, UCAD. Ms. Samina Iqbal, Doctoral Scholar, Virginia Commonwealth University, USA was the Guest Speaker.
- Attended a talk on “Typography, Book Arts and Illustration” organized by the UCAD, University of the Punjab, Lahore in the Anna Molka Art Gallery, UCAD, University of the



Punjab, Lahore on 23.1.2014 at 10.00 a.m. A group of American Artists were the guest speakers.

- Attended an International “Punjabi Sufi Conference” organized by the Department of Punjabi Language and Literature, Punjab University Oriental College, Lahore on 12-13 March, 2014.
- Attended an International Seminar on Pak China Relations “The Growing Economic Ties” in the Department of Pakistan Study Centre, University of the Punjab, Lahore. On 26 March 2014.
- Attended a 24th International Pakistan History Conference on History and Historiography of South Asia at the Department of History, University of the Punjab Lahore on 14th April 2014.
- Attended a 2nd International Research & Education Conference on Innovation in Teaching and Learning (1 Core) at Institute of Education & Research, University of the Punjab, Lahore. 18th to 19th October 2014.
- Attended an International Conference on Social Policy Model & Social Quality in Relations to Chinese at Center of South Asian Studies, University of the Punjab, Lahore. 24th November 2014.
- Participated an international Printing and Graphic and Graphic Arts Exhibition in the Expo Centre Lahore. Pakistan on 28-30 November 2014

DEPARTMENT OF ARCHAEOLOGY

- Research Report of the UNESCO's sponsored project Sui-Vihar Excavations and Archaeological Reconnaissance of Southern Punjab.
- Research Journal of Department of Archaeology "Ancient Punjab" Volume II & III are in press for publication.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Publications Books

- Mr. Khurshid Alam, Assistant Professor, edited book with Dr. Kamran titled, " Twilight in Delhi: A Selection of Essays. Lahore, Mawar and Punjab University Press.

Book Reviews

- Mr. Shahzeb Khan, Assistant Professor, The Passion that Salam Was (Book Review of The Inspiring Life of Abdus Salam by Mujahid Kamran) Books and Authors (**Dawn**) Jan 26, 2014.
- Mr. Shahzeb Khan, Assistant Professor, An Academic's Activism (Book Review of Language, Gender and Power by Shahid Siddiqui) Books and Authors (**Dawn**) Dec 02, 2013



Poems

- Dr. Rizwan Akhtar, Assistant Professor published Two poems 'The Cat' and 'Leaves' published in Cartagena (Columbia) Issue Three, (Mrach), 2014

Research Papers

- **'The Subcontinent Palimpsest in Alamgir Hashmi's Poetry'** by Dr. Amra Raza, A Research Journal of South Asian Studies, Vol.29, No.1, January – July 2014, pp. 137-148.
- **'The Politics of Mythical Space in Pakistani Poetry Written in English'** by Dr. Amra Raza, Journal of Political Studies, University of the Punjab, Lahore Vol. 21, Issue-2, Winter 2014
- **'Political Renegotiation of Scriptural Spaces in Alamgir Hashmi's Poetry'** by Dr. Amra Raza. A Journal of South Asian Studies, Vol. 29, No.2, July – December, 2014, pp. 683-692.
- **'Verbalized Resistance: Music and Message in Morrison's Jazz'** by Shamaila Dodhy, Assistant Professor, Kashmir Journal of Language Research. Department of English, University of Azad Jammu and Kashmir, Muzaffarabad, Pakistan. Vol. 17.2 (2014)
- Mr. Shahzeb Khan, Assistant Professor, published research paper titled The Word and the Word **Pakistan Today**, Oct 07, 2013.
- **"Psychoanalytic Study of an Artist's Mind in Mahesh Dattani's Play Tara"** by Samra Soomro, Journal of Research (Humanities), January 2014, Department of English Language and Literature, University of the Punjab, Lahore, in Volume L, pp. 51-60

Conferences, Seminars and Workshops, etc.

- Dr. Amra Raza, Chairperson, organized celebration commemorating Founders Day (Dec. 25, 2013) at Department of English, Punjab University, Lahore.
- Dr. Amra Raza, Chairperson, organized two day workshop Art Exhibition on the History of English Literature, January 21 – 22, 2014 in collaboration with the Kaneez Fatima Literary Society, Department of English Language and Literature, University of the Punjab.
- Dr. Amra Raza, Chairperson, organized Women's Day Celebration March 8, 2014, Department of English Language and Literature, University of the Punjab.
- Dr. Amra Raza, Chairperson, hosted Inauguration of the Undergraduate Block for the BS (4 Year) Programme by the Vice Chancellor, Professor, Dr. Mujahid Kamran on April 16, 2014 under the patronage of the Chairperson, Dr. Amra Raza.
- Dr. Amra Raza, Chairperson, Focal Person for seminar for the postgraduate ELT diploma students by Director Portal Ms Kishwar Hameed on the Teachers Knowledge Test (TKT) by Cambridge University London, March 19, 2014, Department of English Language and Literature, University of the Punjab.
- Dr. Amra Raza, Chairperson, Presented **Lecture to Rotary Club International at Lahore Gymkhana on 'The English Language: History, Significance and Pedagogical Implications'** (November 01, 2013).



- Dr. Amra Raza, Chairperson, participated in British Council (Punjab Education and English Language Initiative (PEELI) Project, Avari Hotel, 18 November, 2014
- Dr. Amra Raza, Chairperson, conducted workshop on Shakespeare Language and Setting, Aitchison College, Lahore, 20th November 2014.
- Dr. Amra Raza, Chairperson, participant in '**British Council International Policy Dialogue Seminar on English Language in Pakistan Today, Class, the Workplace and Shift in Language Use**' (March 26, 2014) Avari Hotel, Mall Road, Lahore.
- Dr. Amra Raza, Chairperson, presented in **First International Conference of Language and Literature on Modern and Contemporary Literature, Language and Culture 14th - 16th April, 2014, Department of English**, Government College University (GCU), Lahore
 - a) Paper presented in **Session: 'Humanism and South Asian Poetry, titled "Humanizing Sacred Spaces: Alamgir Hashmi's Poetry'** on 14th April 2014.
 - b) Chaired '**Session 14th April 2014: Literary Theory and the Present**'.
- Dr. Amra Raza, Chairperson, presented paper '**Reworking of Myths by Pakistani Poets Writing in English**' at the Second Annual Conference on Social Sciences, Lahore School of Economics (LSE) on 3rd April, 2014.
- Ms. Shamaila Dodhy, Assistant Professor, attended International Conference on "Modern and Contemporary Language, Literature and Culture" GC Univ. Lahore from 14th April to 16th April 2014.
- Ayesha F. Barque, Assistant Professor conducted workshop on Class Room Atmosphere for Teaching literature at all levels. 'SPELT INTERNATIONAL CONFERENCE held at Beconhouse School System, Campus Liberty Branch, Lahore 2014.
- Mr. Shahzeb Khan, Assistant Professor presented a paper in a conference on Literary Theory in Pakistan: Towards a Reconceptualization (April 14, 2014) @ FICLL 2014 Modern and Contemporary Literature, Language and Culture. April 14 to April 16 2014. Department of English Language and Literature, GC University, Lahore.
- Mr. Shahzeb Khan, Assistant Professor delivered a workshop on Reading Politics between the Lines: A Study of Mohsin Hamid's Mothsmoke (September 14, 2014) @ 30th SPELT International Conference, Islamabad.
- Ms. Samra Soomro, Lecturer Presented a paper titled "Oneiric Structure and "Memoriography" in the conference **First International Conference of Literature and Language on Modern and Contemporary Literature, Language and Culture April 2014**, Government College University, Lahore
- **Research Journals**
 - i. Journal of Research (Humanities) HEC recognized 'Z' category
 - ii. Journal of English Studies



- **Research Collaboration**
Foreign Linkages

St. Andrews University, Scotland.

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

- **R & D An overview**

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

- 'Lecture des textes plurilingues d'Iqbal' accepted for publication by LLA – CREATIS (Lettres, Langage et Arts – Création, Recherche, Emergence en Arts, Textes, Images, Spectacles, EA 4152), the University of Toulouse le Mirail, France, in continuation of its proceedings of the international conference on *Traduction, plurilinguisme et langues en contact : traduire la diversité*. 2014 (in press).
- 'Extrinsic and Intrinsic factors affecting Second Language Learners in Pakistan' published in *European Academic Research*, Vol. II, Issue 1/April 2014. Impact Factor 3.1(UIF) ; Authors : Iram Shahzadi, Tenzila Khan, Saleha Nazeer.
- 'Iqbal's final address to God and the Prophet' accepted for *Iqbal review*, Quarterly Journal of Iqbal Academy Pakistan, 2013.

- **Projects**

Dr. Saleha Nazeer completed her project on French translation of Allama Iqbal's Armaghan-e-Hijaz – Persian section – selected quatrains; (in press);

- **Conferences, Seminars & workshops**

- **Engaging Arguments: Research and Writing in the Digital Age** : Online session of one hour on Turnitin Academy Live, 22nd April, 2014
- **Tweets from the French Revolution? Using What Students Know to Promote Original Work and Critical Thinking**, Online session of one hour on Turnitin Academy Live: 22nd April, 2014.
- **From Extreme Plagiarism to Contextualized Understanding**, Online session of one hour on Turnitin Academy Live: 23rd April, 2014.
- **Glimpsing the Future in the Present: Surveying Trendlines in Education and Technology**, Online session of one hour on Turnitin Academy Live: 23rd April, 2014.
- **Harnessing the Power of Choice and "Teachable Moments" in the Development of Integrity**, Online session of one hour on Turnitin Academy Live: 22nd April, 2014
- **Student Online Research and Critical Thinking: Wikipedia in Education**, Online session of one hour on Turnitin Academy Live: 21st April, 2014.

- **Other academic events:**

November 2013:

In November 2013, **Iqbal Day** was celebrated with enthusiasm. Poster competition was organized in which students from BS. hons and Master part I & II made beautiful, colorful and catchy posters with the poetry of Iqbal in English and French languages. The posters symbolized messages for young generation.



December 2013:

Quaid-i-Azam day was celebrated through Quiz competition. The students from BS and Master programs participated actively. It was a very interesting event in which students asked questions related to the life of Jinnah and his struggle in the creation of Pakistan. The competition proved to be tough and a sheer test of intelligence and wisdom. Both faculty and students enjoyed the event.

January 2014:

In January 2014, Ms. Saira Riaz attended one week **Training of Trainers** at Alliance Francaise de Lahore, organized by the embassy of French. The objective was to learn the skills to become paper corrector for DELF exams and also to gain expertise to train teachers for DELF exams.

Two students of Honors programme, Javeria Zia and Atta-ur-Rehman participated in the **Interdepartmental quiz on "Seerat un Nabi"** held at Faisal Auditorium.

Master programme student Zainab Monaf, participated in a **Multilingual Poetry recitation Competition** and recited a poem in French language with confidence and enthusiasm at The Lahore College for Women University. The competition was in six different languages including French.

Dr. Saleha Nazeer participated as **judge** in a Multilingual Poetry recitation Competition arranged by the Institute of Language, Culture & Literature, at Lahore College for Women University.

February 2014:

In February, students from BS and Master programmes actively participated in the different domains of "**Young Talent Competition**" related to French language and culture activities including debates, recitation and exhibition through stalls depicting the culture of France, organized at the Aitchison College. Students from Punjab University's French department put up a stall on "Bretagne" (Brittany) region of France and presented the cultural information through posters, models, booklets and dresses.

The department also arranged a **Departmental Quiz on "Seerat un Nabi"**. Both students and teachers were enlightened by this spiritual gathering. It was a good learning based activity with an objective to familiarize our youth with religious spirit and ethics.

The department of French conducted **Parent-Teacher meeting** for BS. Programme students. It was a good opportunity to develop healthy interaction with parents and to apprise them of academic performance of their children. This event helped to identify and resolve the problems of the students. Students also realized and discussed their weaknesses in the presence of their parents and teachers.

March 2014:

In March, the faculty and students from French department attended the event of **French talent** hosted by the international school of Choueifat with enthusiasm. The students performed in this inter-institutional competition and presented their creative skills through poems and dramatics.

The **Pakistan Day** was celebrated with great passion and zeal. Two students from BS program delivered speeches. Selection from Iqbal's Persian poetry was also recited by one of the students.



Others participated in a quiz related to the creation and history of Pakistan. This event was quite interesting and informative for students and teachers.

April 2014:

Discussion Panel: With reference to the role and contribution of overseas Pakistanis, a panel of discussion was organized by the French department on 30th April 2014 on "**Pakistanis in Europe - Perspectives of the Diaspora and Host societies**". The main contributor and special guest of the department, Mr. Amir Iftikhar Warraich, former President of the Pakistan-Norway Association - PANA, shared his experiences and observations and stimulated the round table discussion. Eminent scholars and educationists with a rich overseas experience participated in this unique event. The main purpose of this discussion was to create awareness and highlight the ranking of Pakistan in the international community especially in Europe. The participants particularly shared their views and experiences on :

- Where does Pakistan stand in European public discourse?
- What changes are needed for Pakistan to become a more active player in EU and global affairs?
- What is / should be the active role of overseas Pakistanis?
- How effective is the role of media and intellectuals in portraying the true image of Pakistan? etc.

French Drama:

The MA and BS students jointly organized and **presented a play "Le Cambrioleur"** written and directed by Ms. Sabrina Rasool in "**Dix-moi dix mots**" young talent competition, organized by the embassy of French at Alliance Française de Lahore. The students from BS. hons and master programs performed beautifully in French language. The crowd cheered and appreciated the performance of young students.

May 2014:

In May, the faculty members participated in a seminar organized by the embassy of French at Alliance Française de Lahore. The cultural attaché and her team presented a set of **Certifications as Quality Assurance Tool** for the improvement of teaching of French language in Pakistan. The participants were mainly the teachers of French language from the renowned institutions of Lahore.

June 2014:

Guest Lecture: In, a renowned scholar from the University of Ukraine, Prof. Dr. Shahab Yar Khan delivered a lecture on "**Post colonialism and Shakespeare**". HODs, faculty and students from French and English departments appreciated the knowledge, spontaneity and eccentric way of the delivery of lecture. The guest speaker discussed the scope of Shakespeare's works all over the world with special focus on India. He quoted some amazing facts about the popularity of Shakespeare and the universality of his plays which are directed in multiple languages in the different parts of the world.

○ **Funding grants for R&D :**

Research grant of Rs. 1,50,000/- was allocated to Dr. Saleha Nazeer for her project on the development of 1st ever **Bilingual dictionary of Expressions : Urdu-French & French-Urdu**. This project is of prime significance in the field of French language & literature keeping in view the fact that so far no



such source exists for French language learners. The development of this primary source in French Studies will indeed help not only those who are learning French language but will also assist Researchers, Teachers and Students from Beginners to Advanced levels.

DEPARTMENT OF PHILOSOPHY

• **Publications**

| Sr. No. | Name of Author | Title of Paper/Article |
|---------|--------------------|---|
| 1. | Dr. Shagufta Begum | Happiness: A Psycho-Philosophical Appraisal <i>The Dialogue</i> Volume IX, Number 3 |
| 2 | = | Mysticism: Relationship between Knowledge and Action with Special Reference to Kashf Al Mahjub <i>The Dialogue</i> Volume 29 |
| 3 | = | Individual and Society: A Socio-Philosophical Account of Iqbal’s Thought <i>A Research Journal of South Asian Studies</i> Volume 29 |

• Conference, Seminars and Workshops, etc.

- (i) Department of Philosophy organized Pakistan Philosophical Congress on 3 to 5 April 2014.
- (ii) Organized Iqbal Memorial Lecture 2014 on 14 May 2014
- (iii) Organized Iqbal Day Lecture in November 2014

• Research Journals

Six volumes from the year 2009 to 2014 of Al-Hikmat (A research Journal of Department of Philosophy) is being published in 2015.

• Innovational Commercialization (Related to ORIC)

Operation of Office of Research, Innovation and Commercialization

PAKISTAN STUDY CENTRE

○ **Research & Development - An Overview**

- The Centre is conducting research on different themes of Pakistan Studies, and on a variety of subjects dealing with the developments taking place in the world.
- The Centre publishes research works in shape of books, monographs as well as in its research journal ‘Pakistan Vision’. 54 books have been published so far.
- The Centre’s research journal, ‘Pakistan Vision’, is published bi-annually. It has been recognized by Higher Education Commission and has been made available on Centre’s website.
- The Centre has been trying to play a more effective role in the promotion of academic and research collaboration with other universities, Pakistan Study Centres and other institutions. The Centre has established linkages with scholars and academicians of national and international repute.



- The Centre is organizing international conferences, seminars, the special lectures on regular basis. These are organized on a very large scale, covering variety of subjects; specialists working in national and international institutions are invited to speak on matters of national and international importance. These are well-attended seminars.
- Projects: (i) Completed (**duration, sponsoring agency, funding**)
The Centre has published 02 books and 02 issues of research journal *Pakistan Vision* during the period under review.
- Publications: Books/ Edited
The Centre has been publishing books, a bi-annual research journal and quarterly *India Desk & Inside Pakistan* on regular basis. Following were published during the period under review:

Book:

- Syed Karim Haider, *Pakistan General Elections 2002*
- Rizwan Ullah Kokab, *Lawyers Movement in Pakistan*

Research Journal:

- *Pakistan Vision*, (Journal) Vol. 14, No. 2, December 2013
- *Pakistan Vision*, (Journal) Vol. 15, No. 1, July 2014
- Conferences, Seminars and Workshops, etc. (sponsors, oral Presentation + Poster Presentation)
During the period under review, Pakistan Study Centre organized:
 - Special lecture in connection with the *Defence Day celebrations* on September 10, 2014, Chief Guest: Mr. Justice Sheikh Riaz Ahmad
 - Special lecture in connection with the Independence Day celebrations on August 14, 2014
 - Seminar on “Role of Women in Indian Politics,” June 3rd, 2014, Keynote Speaker: Prof. Bhavna Mehta of Maharaja Sayajirao University, Baruda, India
 - Seminar on “*Revisiting Women’s History in Pakistan*,” on April 10, 2014, Keynote Speaker: Dr. Pippa Virdee, DeMontfort University, United Kingdom
 - Seminar on “*Pakistan: Under the Skies of South Asia*,” on March 27, 2014, Keynote Speaker: Dr. Anna Bochkovskaya from Moscow State University, Russia,
 - Seminar on “Pakistan-China Relations: The Growing Economic Ties” on March 26, 2014, Keynote Speaker: Prof. Dr. Sun Hongqi, Director Pakistan Research Centre, Jiangsu Normal University, China
 - Seminar on “The Significance of Pakistan Resolution” on March 23, 2014, Keynote Speaker: Prof. Ali Abbas, former Chairman, Department of History, Punjab University



- Seminar on “Revisiting Pakistan's History” on March 21, 2014, Keynote Speaker: Prof. Dr. Bettina Robotka, Institute of Asian and African Studies, Humboldt University of Berlin, Germany
- Round Table on “Kashmir Issue”, on February 04, 2014
- Seminar on ‘*Balochistan: Conflict Resolution through Parliamentary Politics*’, on January 15, 2014, Keynote Speakers: Dr. Muhammad Waseem (LUMS) and Dr. Kaleem Ullah Barraich (University of Balochistan)
- Seminar on ‘*Reframing Violence, Transforming Impressions: Images in Contemporary Pakistani Visual Art and English Language Fiction*’, on December 31, 2013, Keynote Speaker: Dr. Madeline Amelia Clements, University of East London, UK
- Seminar on ‘*The Future of Pakistan China Relations*’, on October 28, 2013, Keynote Speaker: Prof. Zhou Rong, Professor of International Relations, Jiangsu Normal University, China., Chief of Daily “Guang Ming”, China.
- Round Table on “*Challenges to Pakistan*”, on October 10, 2013, Guest Speakers: Prof. Dr. Piotr Balcerowicz of University of Warsaw, Poland and Dr. Agnieszka Kuszewska of Warsaw School of Social Sciences, Poland.
- Research Journals
Two issues of the bi-annual research journal, ‘*Pakistan Vision*’, were published during the period under review.
 - *Pakistan Vision*, (Journal) Vol. 14, No. 2, December 2013
 - *Pakistan Vision*, (Journal) Vol. 15, No. 1, July 2014

Following research articles were included in the last two issues of ‘*Pakistan Vision*’.

Pakistan Vision, (Journal) Vol. 14, No. 2, December 2013

- Pakistani Leadership's Response to Linguo-Cultural Challenge in East Bengal, Rizwan Ullah Kokab, Massarrat Abid
- Iranian Nuclear Deal: Future Perspectives and Implications on Region ,Iram Khalid, Rehana Saeed Hashmi
- Influence of Social Networking Sites on Interaction Patterns of Youth: The Pakistan Case, Noshina Saleem, Qurratulain Malik, Aniqah Ali, Ahmad Hanan
- Feudalism: A Pastime of Power, Economic and Political Influence in Pakistan, Sajida Perveen, Humaira Arif Dast
- Pakistan: The Political Economy of Fiscal Management, Aqdas Ali Kazmi
- Law as Means of Violence Prevention among Youth through Social Control Mechanism, Yasir Saeed, Hira Shami, Rabia Naseem Khathran, Humaira Babar Sheikh
- The Aims and Objectives of Missionary Education in the Colonial Era in India, Mavra Farooq



- Punjab Caste-System and Voting Behaviour, Syed Karim Haider
- The Genesis of Two Nation Theory and Quaid-e-Azam Abdul Majid, Zahida Habib
- Common Vocabulary in Urdu and Turkish Languages: A Case of Historical Onomasiology, María Isabel Maldonado García, Mustafa Yapici
- Occupational Role Stress Scale Development, Talat Sohail, Humala Khaled, Uzma Qureshi, Sarah Shahed

Pakistan Vision, (Journal) Vol. 15, No. 1, July 2014

- Regional Political Parties: Challenge to Political Stability of Pakistan Amna Mahmood
- Journalistic norms in multicultural societies: A critical evaluation of the social construction of realities through objective journalism Azmat Rasul
- Globalization: Feminization of Poverty and need for Gender Responsive Social Protection in Pakistan Syeda Mahnaz Hassan, Khalil Ahmad Kashmir Issue and the Inter-Provincial Politics of Pakistan 1947-1969 Lubna Kanwal
- Maslow Theory of Human Development and Emergence of Street Children Phenomenon in Pakistan Muhammad Nasir, Aliya Khalid, Aisha Shoukat
- Media-Democracy Relationship in Pakistan Taimur ul Hassan
- Nature of Indian Politics after Independence Kausar Perveen
- First Europeans in Ancient Pakistan and their impact on its society Tauqeer Ahmad Warraich
- Theoretical Analysis of Security Paradigms Engenders Regional Peace and Stability Syed Shahbaz Hussain, Massarrat Abid, Pirzada Sami Ullah Sabri and Iffat Batool
- Pakistani Media as an Agent of Conflict or Conflict Resolution: A Case of Lal Masjid in Urdu and English Dailies Bushra Hameed ur Rahman, Abida Eijaz

Research Collaboration

▪ Indigenous

The Centre has been collaborating with various universities and national as well as international institutions on matters of research and education.

Eminent Scholars and academicians of national and international repute visit the Centre on regular basis. Special lectures are arranged at the Centre quite often on a very large scale.

▪ Foreign Linkages

The Centre has three signed MoUs with:

1. Jiangsu Normal University, China
2. University of Hamburg, Germany
3. Moscow State University, Russia



and has established linkages with scholars and academicians of national and international repute.

▪ Funding grants for R&D

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

1. Pakistan –China: Contemporary Dynamics
2. Kashmir Dispute: A Nuclear Flash Point in South Asia

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Conferences, Seminars and Workshops, etc.
- Research Journals: Journal of Gender and Development

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

DEPARTMENT OF POLITICAL SCIENCE

- Punjab University funded research project titled “Federation of Pakistan and Creation of new Provinces: A Case of Bahawalpur” completed by Prof. Dr. Umbreen Javaid.
- Punjab University funded research project titled “Topology of Extremism: Implication on the Contemporary Politics of Pakistan” completed by Prof. Dr. Iram Khalid.
- Action Aid Islamabad funded research project titled “Impact of River Diversion; People’s Perception and Water Management” completed by Prof. Dr. Iram Khalid.
- Punjab University granted research project titled “Political Institutions and Development: A case of Pakistan 2008-13” completed by Dr. Rana Eijaz Ahmad, Assistant Professor.
- Punjab University granted research project titled “Intra-Provincial Disharmony: The Study of New Suba Movement in Pakistan” completed by Dr. Rehana Saeed Hashmi, Assistant Professor.
- Punjab University granted research project titled “Sectarian Conflicts: A Dominant Threat to Pakistan’s Internal Security” completed by Dr. Gulshan Majeed, Assistant Professor.
- Punjab University granted research project titled “Disaster Management: A case study of Pakistan’s Proactive and Reactive Strategies” completed by Dr. Mubeen Adnan, Assistant Professor.
- Punjab University granted research project titled “Madrassah factor in the rise of Extremism in Pakistan” completed by Ahmad Ali Naqvi, Lecturer.

Books

Prof. Dr. Umbreen Javaid

“Contemporary Geopolitics: Afghanistan & Pakistan” Edited by Prof. Dr. Umbreen Javaid, Prof. Dr. Muhammad Saleem Mazhar & Dr. Naheed S. Goraya. 2013.

Research Publications



Prof. Dr. Umbreen Javaid:

- “Low Caste in India (Untouchable)” by Dr. Umbreen Javaid, Abdul Majid, Sadaat Faruq, South Asian Studies Journal , Vol. 29, No. 1, 2014 (HEC Recognized Category “X”).
- “Pakistan and the Question of Recognizing Israel: Historical Issues and Future Prospects” Prof. Dr. Umbreen Javaid and Malik Tauqir Ahmad Khan, South Asian Studies Journal, Vol. 29, No. 1, 2014 (HEC Recognized Category “X”).
- “Historical Perspective of Pakistan USA Relations; Lessons for Pakistan” Prof. Dr. Umbreen Javaid and Imrana Mushtaq, South Asian Studies Journal, Vol. 29, No. 1, 2014 (HEC Recognized Category “X”).
- “Prospects of Pakistan-Central Asia and Economic Relations” Prof. Dr. Umbreen Javaid and Naheeda Naseem, Journal of Political Studies, Vol. 21, Issue 1, Summer 2014, (HEC recognized category “X”).
- “Liquidation of American Forces from Afghanistan: Its Impacts on Region” Prof. Dr. Umbreen Javaid and Farhat Nasreen, South Asian Studies Journal, Vol. 28, No. 2, 2013 (HEC recognized category “Y”).
- “An Insight into the Philosophical Dynamics of Al-Qaeda” Prof. Dr. Umbreen Javaid and Nighat Naureen, Journal of Political Studies, Vol. 20, Issue 2, Winter 2013 (HEC recognized category “X”).
- “An Analytical Study of Pakistan’s Policy Toward Afghanistan before the Taliban’s Rise” Prof. Dr. Umbreen Javaid and Qamar Fatima, Journal of Political Studies, Vol. 20, Issue 2, Winter 2013 (HEC recognized category “X”).
- “Police Order 2002” A Critique” Prof. Dr. Umbreen Javaid and Muhammad Ramzan, Journal of Political Studies, Vol. 20, Issue 2, Winter 2013 (HEC recognized category “X”).

Prof. Dr. Iram Khalid:

- “Iranian Nuclear Deal: Future perspectives and implications on Region” Prof. Dr. Iram Khalid, Journal of Pakistan Study Center, Vol.15, Issue 1, 2014 (HEC recognized category “Y”).
- “Water Scarcity in South Asia: A Potential Conflict of Future Decades” Prof. Dr. Iram Khalid, Journal of Political Studies, Vol.21, Issue 1, 2014 (HEC recognized category “X”).
- “Challenges and Opportunities for Pak-China Security Environment in the perspective of United States India Strategic Partnership” Prof. Dr. Iram Khalid, Journal of Political Studies, Vol.21, Issue 1, 2014 (HEC recognized category “X”).
- “Topology of Extremism: Implication on the Contemporary Politics of Pakistan” Prof. Dr. Iram Khalid, Journal of South Asian Studies, Vol.29, Issue 1, 2014 (HEC recognized category “X”).
- “Indian Ocean” Prof. Dr. Iram Khalid, Journal of Political Studies, Vol.20, Issue 2, 2013 (HEC recognized category “X”).
- “Restructuring the Image of Pakistan: Internal Challenges and External Pressures” Prof. Dr. Iram Khalid, *Dialogue*, Peshawar, Vol. VIII, Issue 1, 2013 (HEC recognized category “Y”).



- “Management of Pakistan – India Conflicts: An Application of Crisis Decision-Making” Prof. Dr. Iram Khalid, NDU Journal Islamabad, Vol. XXVI, Issue 1, 2013 (HEC recognized category “Y”).
- “The Minority Crisis 1950: Between Pakistan and India” Prof. Dr. Iram Khalid, Pakistan Vision, Vol.06, Issue 2, 2013 (HEC recognized category “Y”).

Dr. Rana Eijaz Ahamd:

- “Global Citizen in the Twenty First Century: Challenges and Opportunities in the Post 9/11 Era in the International Affairs and Global Strategy” www.iiste.org, Vol.16, 2013.

Dr. Rehana Saeed Hashmi:

- “Ethnic Politics: An Issue To National Integration (The Case Of Pakistan)” Published in Journal of south Asian studies Vol,29 No.1 January-July 2014.
- “Saraiki Ethnic Identity: Genesis of Conflict With Sate” published in ‘Journal of Political Studies’ (HEC recognized, category ‘X’), Vol.21, Issue-1, Summer 2014.
- “Sectarian Conflicts: A Dominant Threat to Pakistan’s Internal Security” published in ‘Journal of Political Studies’ (HEC recognized, category ‘X’), Vol.21, Issue-1, Summer 2014.
- “Baloch Resistance during Zulfiqar Ali Bhutto’s Era: Causes and Consequences” published in ‘Research Journal of South Asian Studies’ (HEC recognized, category ‘X’), Vol.29,No,1,2014.
- “Iranian Nuclear Deal: Future perspectives and implications on Region” published in Journal of Pakistan Study Centre, Vol. 15, Issue 01, 2014.

Dr. Mubeen Adnan:

- “Nuclearization of South Asia 1998: Pakistan’s Domestic Constraints” in a Journal of South Asian Studies, Vol.29, No.1 Jan-June 2014.
- “The Crisis Management of Pakistan: Examining Proactive and Reactive Strategies” in a Journal of Political Studies, Vol. 21, Issue 1, 2014.
- “Pak’s domestic constraints viz-a-viz India in Lhr Declaration 1999, Agra Summit 2001 & Peace talks 2004” in a Journal of Political Studies, Vol. 20, Issue 2, 2013.

Dr. Gulshan Majeed:

- “Sectarian Conflicts: A Dominant Treat to Pakistan’s Internal Security” published in ‘Journal of Political Studies’ (HEC recognized, category ‘X’), Vol.21, Issue-1, Summer 2014 (ISSN 1994-1080).
- “Saraiki Ethnic Identity: Genesis of Conflict With Sate” published in ‘Journal of Political Studies’ (HEC recognized, category ‘X’), Vol.21, Issue-1, Summer 2014 (ISSN 1994-1080).
- “Baloch Resistance during Zulfiqar Ali Bhutto’s Era: Causes and Consequences” published in ‘Research Journal of South Asian Studies’ (HEC recognized, category ‘X’), Vol.29,No,1,2014.
- “South Asian Security Compulsions: A Historical analysis of India Pakistan Relations” published in ‘Journal of Political Studies’ (HEC recognized, category ‘X’), Vol.20, Issue-2, Winter 2013.

Conferences / Seminars and Workshops etc



- Organized a seminar on “Right to Information” by Rahad Babar, Centre for Peace and Development Initiatives (CPDI) Lahore delivered the lecture on Sep 25, 2014.
- Organized a seminar on “Azadi-e-Pakistan Aur Is Ka Tahafuz” by Dr. Zahid Lodhi, Lahore delivered the lecture on 14th August, 2014.
- Organized a seminar on “Law of Sea” Commodore Naveed Ahmad, Navy War College, Lahore Pakistan delivered the lecture on 6th May, 2014.
- Organized a seminar on “Pakistan’s Relations with Major Powers-Russia, China & the United States” Mr. Khurshid Mahmood Kasuri, Former Foreign Minister, Pakistan delivered the lecture on 18th April, 2014.
- Organized a seminar on “Diplomatic Protection for Prisoners of War; The Rise and fall of a Diplomatic Practice” Professor Dr. Neville Wylie, Dean of Faculty of Arts & Social Sciences, University of Nottingham, Malaysia delivered the lecture on 17th April, 2014.
- Organized a seminar on “International Shipping Challenges and Opportunities” Mr. M. Abaid Ullah, Navy War College, Lahore delivered the lecture on 7th April, 2014.
- Organized a seminar on “Complexity of Pakistan-India relations” Mr. Javaid Hussain Former Federal Secretary delivered the lecture on 2nd April, 2014.
- Organized a National Conference on “Post 2013 General Elections in Pakistan: Challenges and Options” in Collaboration with Centre for South Asian Studies, University of the Punjab, Lahore on 13th March, 2014.
- Organized a seminar on “Sino-India Relations: Implications for Pakistan” Mr. Xiao Jianming delivered the lecture on 7th Feb, 2014.
- Organized a seminar on “Public Information and Communication” Mr. Vittorio Cammarota, Director UN Information Centre, Islamabad delivered the lecture on 16th January, 2014.
- Organized a seminar on “Post-2014 Afghanistan” in collaboration with The Lahore Council for World Affairs, Mr. Ahmed Rashid, scholar delivered the lecture on 28th, November, 2013.
- Organized a seminar on “RTI and the role of youth” in collaboration with Centre for Peace and Development Initiatives (CPDI), on 23rd November, 2013.
- Organized a seminar on “In a moment of Weakness: corruption, administrative, unruliness and rehabilitation of partition refugees in everyday Pakistani, Punjab, 1947-1962” Dr. Elisabetta lob delivered the Lecture on 5th November, 2013.
- Organized a Seminar on “Road Safety” in Collaboration with Punjab Motorway Police by Mr. Sahazad Yousaf, SPO/Inspector, Punjab Motorway Police delivered a lecture on 5th November, 2013.

Research Journals:

Department of Political Science successively publishing its Research journal “Journal of Political Studies’ since 2000, HEC recognized in ‘W’ category.



Research Collaboration:

Indigenous

- MoU with Lahore Chamber of Commerce & Industries (LCCI), Lahore.
- MoU/ Collaboration with Lahore Council for World Affairs.
- Collaboration with Navy War College, Lahore.
- MoU/Collaboration with Intermedia with financial Assistance of The Asia Foundation.

Foreign Linkages

- Collaboration with Centre for Civic Education, Pakistan in Centre's three years program "Youth Capacities for Rule of Law and Good Governance" a program supported by British High Commission.

Funding Grants for R & D

- Prof. Dr. Umbreen Javaid received a sum of Rs. 250,000/- granted for research project titled "Federation of Pakistan and Creation of new Provinces: A Case of Bahawalpur" from Punjab University.

Prof. Dr. Iram Khalid received a sum of Rs.250,000/ for research project titled "Topology of Extremism: Implication on the Contemporary Politics of Pakistan" by Punjab University.

Prof. Dr. Iram Khalid received a sum of Rs.500,000/ for research project titled "Impact of River Diversion; People's Perception and Water Management" by Action Aid Islamabad.

Dr. Rana Eijaz Ahmad ,Assistant Professor, received a sum of Rs.150,000/- for research project titled 'Political Institutions and Development: A case of Pakistan 2008-13' by Punjab University.

Dr. Rehana Saeed Hashmi ,Assistant Professor, received a sum of Rs.150,000/- for research project titled 'Intra-Provincial Disharmony: The Study of New Suba Movement in Pakistan' by Punjab University.

Dr. Mubeen Adnan, Assistant Professor, received a sum of Rs.150,000/- for research project titled 'Disaster Management: A case study of Pakistan's Proactive and Reactive Strategies' by Punjab University.

Dr. Gulshan Majeed, Assistant Professor, received a sum of Rs.150,000/- for research project titled 'Sectarian Conflicts: A Dominant Threat to Pakistan's Internal Security' by Punjab University.

Ahmed Ali Naqvi, Lecturer, received a sum of Rs.125,000/- for research project titled "Madrassah factor in the rise of Extremism in Pakistan" by Punjab University.

DEPARTMENT OF SOCIAL WORK

- Career Counseling & Placement Centre organized a training workshop at Department of Social Work on 26 February, 2014.
- Department of Social Work organized "Training of Trainers (TOT) on Social Work Practice with Drug Users" on 19 March 2014. The resource person was Dr. Andrew Hamid, a faculty member at Columbia's School of Social Work, New York.



- Department of Social Work organized a workshop in collaboration with CWS on “Democracy and Minorities Rights” on 14 April, 2014.
- Department of Social Work organized “Training of Trainers (TOT) on Community Development Practice India and Pakistan” on 04 June 2014
- Department of Social Work Organized a Seminar on “Evolution of Social Welfare India & Pakistan since 1947” on June 06, 2014 at Al Razi Hall Undergraduate Block University of the Punjab, Lahore.

INSTITUTE OF COMMUNICATION STUDIES

Completed Projects:

- Effects of Video Games on Teenagers: A Multi Perspective Analysis funded by the University of the Punjab for the fiscal year (2014-15), submitted by Dr. Noshina Saleem
- Compatibility of Media Education & Market Needs: Issues, Challenges & Future Directions approved for financial assistance from Punjab University submitted by Dr. Noshina Saleem.

Publications:

Dr. Noshina Saleem:

- Media and Conflict Resolution: Toward Building a Relationship Model published in *Journal of Political Studies* (June, 2014) Vol 21, No 1, PP 179-198.
- Nobody Likes a Person Whose Body is covered with Mud”: Health Hazards Faced by Child Laborers in the Brick Kiln Sector of the Okara District, Pakistan”. *Canadian Journal of Behavioural Science/Revue Canadienne des sciences du comportement* 2 June 2014.
- Influence of Social Networking sites on Interactive Patterns of Youth: The Pakistan Case” *Pakistan Vision* (June, 2014) Vol 15, No.1, PP. 40-58.
- Indo-Pakistan Trade Relations: A Critical Discourse Analysis of Daily Dawn” *Journal of South Asian Studies* (June, 2014) Vol 29, No. 1, No 29, PP 305-3116.
- Violent Movies and Criminal Behaviour of Delinquents” *Pakistan Journal of Social Sciences* (December, 2013) Vol 33, No 2, PP 243-254.
- Mediating Role of Job Satisfaction: New Evidence to Reconcile an old Debate” *Journal of Behavioural Sciences* (June, 2014) Vol 24, No 1. PP 130-149.
- Framing of US Policy Regarding Terrorism in the Responsibilities and Sensationalism Media Matrix: A Pakistan Case” *International Media Studies* (December, 2013) Vol 5, PP 103-127.
- Impact of Cooperate Scandal and Terrorism News on Stock Market Index” in *European Journal of Scientific Research* (February 2014), Vol 2,
- Portrayal of Pakistan by US leading News Magazines” in *Scientific International Lahore* (December, 2013) Vol 25, No 4, PP 965-970.
- Counter terrorism Activities in Pakistan: Comparative Study of the Editorials of Elite Newspapers” *Gomal University Journal of Research* (December, 2013) Vol 29, No 2, PP 66-77.



- Responsibility Portrayal or Sensationalism: Media Framing of Pakistan Leadership Regarding Handling of Domestic and Foreign Policy” *Pakistan Journal of Social Sciences* (June, 2014) Vol 34, No 1, PP 29-47.
- Print media on Coverage of Political Parties in Pakistan: Treatment of Opinion Pages of the Dawn & The News” *Gomal University Journal of Research* (June, 2013) Vol 29, No 1, PP 118-128.
- US Foreign Policy Towards Pakistan, India and Afghanistan” *Journal of Basic and Applied Research* (July, 2014). Vol 4, No 7, PP 107-114.
- Pakistan’s Image and its Leadership: Responsible Portrayal or Sensationalism” *European Journal of Scientific Research* (March, 2014) Vol 119, No 2.

Dr. Bushra H. Rahman:

- The Politics of Representing Iranian women in the International magazines: A case of Time and Newsweek (1979-2002) published in Interdisciplinary journal of Contemporary Research in Business. Vol 05, No 10, PP 313-331.
- Conditional Influence of Media: Media Credibility and Opinion Formation published in Journal of Political Studies, University of the Punjab. Vol 21, No 01, PP 299-314.
- Challenges and options for Pakistani Media in the 21st Century published in Journal of Political Studies, University of the Punjab. Vol 21, No 1, PP 243-257.
- Pakistan: A case of Individual vigilance published in Journal of South Asian Studies, University of the Punjab. Vol 29, No 2.
- Political Institution: Growth and development in Pakistan 2008-2013 published in Journal of Political Studies, University of the Punjab. Vol 21, No 2.

Dr. Abida Ejaz:

- “Impact of new media on the Dynamics of Pakistan Politics” published in Journal of Political Studies vol 20, issue I, summer 2013.
- Challenges and options for Pakistani Media in the 21st Century published in Journal of Political Studies, University of the Punjab. Vol 21, No 1, PP 243-257.
- Pakistan: A case of Individual vigilance published in Journal of South Asian Studies, University of the Punjab. Vol 29, No 2.
- Political Institution: Growth and development in Pakistan 2008-2013 published in Journal of Political Studies, University of the Punjab. Vol 21, No 2.

Ms. Saver Shami:

- Portrayal of US in Pakistani Print Media after Osama Bin Ladan’s Killing (May-July 2011) published in International Journal of Humanities & Social Sciences. Vol 21, No 3, PP 180-185.

Dr. Ayesha Ashfaq:

- The effects of playing with white dolls in advertisements: A case study of young girls’ exposure towards ‘mediated beauty’ in Pakistan published in The Women: Annual Research Journal of Women Studies (2014). Vol 6, PP 19-34.



- Unveiling the art of political cartooning in Pakistan: A retrospect published in International Journal of Comic Art (2014), Vol 16, No 2, PP 618-630.
- Superpower syndrome: The enduring debate on pro-Americanism and Anti Americanism in Foreign Media published in Asian Social Science (2014) Vol 10, No 3, PP 145-158. doi: 10.5539/ass.v10n3p145
- Induction of violent characters through video games: A case study of primary school going children in Pakistan. Published in the International Asian Research Journal (2014), Vol 2, No 3, PP 17-24.
- Political Cartoonists versus Readers: Role of Political Cartoonists in Building Public Opinion and Readers' Expectations Towards Print Media Cartoons in Pakistan, published in Mediterranean Journal of Social Sciences (2013) Vol 4, No 3, PP 265-272. doi:10.5901/mjss.2013.v4n3p265
- Impact of Advertising on Consumers' Buying Behavior through Persuasiveness, Brand Image, and Celebrity Endorsement. Published in Global Media Journal (2013), Vol VI, No II.

Conferences, Seminars, Workshops:

- Seminar organized on "Role and Importance of Media and Communications in creating awareness on child health issues (Polio Awareness)" with the collaboration of UNICEF at Hameed Nizami Memorial Conference Room on November 25, 2013.
- Organized a seminar on "TV Channels Rating: Sensationalism vs Responsibilities" at Institute on December 17, 2013. Mr. Talat Hussain (Analyst, Columnist, Anchor) was the keynote speaker and Prof. Dr. Mujahid Kamran, Vice Chancellor presided over this seminar.
- Organized a seminar on "New Trends on Television Production" at the Institute of Communication Studies on January 07, 2014. Javeria Abbasi (TV Anchor & Artist) was the guest speaker on this occasion.
- Celebrated Maulana Zafar Ali Khan Day with the collaboration of Maulana Zafar Ali Khan Trust at the Institute of Communication Studies on January 16, 2014. Mr. Sarwar Ch, Governor of the Punjab participated as chief guest and Prof. Dr. Mujahid Kamran, Vice Chancellor presided over this event. Dr. Majeed Nizami, Mujeeb-ur-Rahman Shami, Dr. Fozia Siddiqi, Sajjad Mir, Khalid Mehmood were the guest speakers.
- Seminar organized on "Media Consumer Rights, the issue of ignorance of media law and ethics in Pakistan" on February 13, 2014. Mr. Ahmed Sheikh, Mian Saif ur Rehman and Dr. Ahsan Akhtar Naz were the guest speakers.
- Special Lecture organized on "A Journey into the Soul: Iqbal's Concept of SELF" by Mr. Khurram Ali Shafique (Research Consultant, Iqbal Academy) at Hameed Nizami Memorial Conference Room on February 18, 2014.



- Workshop on "Communication: The Practical Aspects" by Media Advocacy Centre (MAC) in the Institute of Communication Studies. Prof. Dr. Mujahid Kamran, Vice Chancellor presided this workshop on March 05, 2014.
- Organized a walk on International Women's Day held on March 08, 2014. The students, faculty members and employees of the Institute of Communication Studies participated in this walk.
- Organized a Screening of Award Winning Short Films & Documentaries by the Students of Institute of Communication Studies on March 12, 2014 at Hameed Nizami Memorial Conference Room, ICS.
- Seminar organized on "Metro Broadcast: Challenges and Opportunities" on April 11, 2014 in the Hameed Nizami Memorial Conference Room. Mr. Najam Wali Khan, Anchor Person City 42 was the guest speaker.
- Organized a workshop on "Photography & Videography" collaboration with NIKON Pakistan from May 26-30, 2014 in the Hameed Nizami Memorial Conference Room, Institute of Communication Studies. Mr. Agha Rizwan Ali was the Resource Person of this workshop.
- Organized a Consultative Conference on "Removal of Ambiguities in Code of Conduct of Electronic Media and Devising an Effective Implementation Mechanism" on June 04, 2014. Mr. Naseer Bhutta, Additional Attorney General, IA Rehman, Dr. Mehdi Hassan and Dr. Mujahid Ali Mansoori were the guest speakers. Prof. Dr. Mujahid Kamran presided on this occasion.
- Institute of Communication Studies celebrated 10th anniversary of Punjab University Radio FM 104.6 on June 05, 2014. Rana Muhammad Arshad, Parlimani Secretary Culture. Ms. Sameena Pervaiz Director General, Radio Pakistan and Dr. Ajmal Niazi were the guest speakers and Prof. Dr. Mujahid Kamran was the Chief Guest of this event.
- Organized a seminar on "Role of Media in the Current National Scenario" in collaboration with the Pakistan National Forum on September 25, 2014. Senator SM Zafar, Dr. Ajmal Niazi, Dr. Mujahid Ali Mansoori and Mr. Salman Ghani were the guest speakers.

Research Journals:

- Biannual Journal of Media Studies

Research Collaboration:

- Indigenous
- Foreign Linkages
- Funding grants for R & D

The Office of Research publishes:

- Bi annual Journal of Media Studies
- Communication Studies Bulletin (Newsletter)

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- Publications

Dr. Zakria Zakar

Research Papers Published in International Peer-reviewed Impact-Factor Journals



- Zakar, Muhammad Zakria, Rubeena Zakar, Nauman Aqil, Shazia Quershi, Noshina Saleem and Sajjad Imran. (2014). nobody likes a person whose body is covered with mud: health hazards faced by child laborers in the brick kiln sector of the Okara. Canadian Journal of Behavioral Science. **(Impact factor: 0.66)**
- Zakar, Rubeena, Muhammad Zakria Zakar, Rafael Mikolajczyk, Alexander Krämer. Intimate partner violence and its association with women's reproductive health in Pakistan. *International Journal of Gynecology and Obstetrics* 117(1)10-14. **(Impact factor: 2.045)**
- Jonathan Jackson, Muhammad Asif, Ben Bradford, Muhammad Zakria Zakar, Corruption and Police Legitimacy in Lahore, Pakistan. *British Journal of Criminology* 54(6)1067-1089. **(Impact factor: 2.08)**
- Muhammad Ramzan, Muhammad Zakria Zakar, Shahzia Quershi, Zubair Ahmad Shah, (2013). Relevance of Violence with social well-being of working adolescent in Pakistan. Health Care for Women International. Journal of Political Studies. Vol.20 Issue2 **(HEC Recognize)**
- Muhammad Zaman, Muhammad Zakria Zakar, Abida Sharif, Imran Sabir, Rubeena Zakar, Muhammad Arif. Exchange Marriage System, Traditional Gender Roles and obscured Transformation in a community of Pakistan. International Journal of Sociology of the Family. Vol.39, Issue ½ **(HEC Recognize)**

Prof. Dr. Muhammad Hafeez:

- Hafeez, Muhammad. (2012). promoting gender awareness among health workers: Analyzing access and use of health services, Punjab province, Pakistan. Women Empowerment and social transformation. (Conference proceedings)

Dr. Riffat Munawar:

- Riffat Munawar, Inam ul Haq, Muhammad Asad, Shahzaib Ali and Hafsa Maqsood (2013) Incidence, nature and Impacts of Cyber Bullying on the Social Life of University Students. World Applied Sciences Journal. Vol.30 No.7 **(HEC Recognize)**
- Riffat Munawar, Asma Younus, Fouzia Sadaf, (2013). Female Sexuality as Carrier of Masculinity: A feminist Critique of History of Sub Continent Partition (1947) Research Journal of South Asian Studies. Vol.28 Issue.1 **(Impact Factor)**
- Sadia Akbar, Riffat Munawar, (2013) Men's Hoblessness and women's Supportive Strategies: A Qualitative Study in Pakistan. European Academic Research. vol.1 Issue.8 **(Impact Factor)**
- Inam ul Haq, Riffat Munawar, (2013). Dramatized Representation of Empowerment woman: An analysis of Hum TV's Bilquees Kaur. European Academic Research. vol.1 Issue.8 **(Impact Factor)**

Dr. Khalil Ahmad:

- Khalil Ahmad, Ashraf Kayani and Karim Sajjad (2013). Socio-economic Status and Domestic Violence: A Study on Married Women. A Research Journal of South Asian Study. Vol.29. No. 1. **(HEC Recognize)**



- Khalil Ahmad, Ashraf Khan, Kayani and Aamir, Saeed. (2013). Perceptions about Cultural Globalization in Urban Pakistan. A research Journal of South Asian Studies, Vol. 28, No.1: 127-138 (January-June 2013).
- Khalil Ahmad, Aamir Saeed, Ghalib, Ata and Abdul Qayyum, Chaudhry. (2013). Making Sense of Federalism in Pakistan. Developing Country Studies, Vol.3, No. 4: 116-125.
- Khalil Ahmad, Sara Razvi Jafree, (2013). Women Borrowers of Microfinance: An Urban Lahore Study. Journal of Third World Study. XXX.No.2 **(HEC Recognize)**
- Khalil Ahmad, Ayesha Farooq, Ashraf Kayani, (2013) Towards Equality Based Interaction and Declining Influence of Local Leadership in Conflict Resolution: A Study of Rural Punjab, Pakistan. Journal of Humanities & Social Sciences. No.1. 2013 **(HEC Recognize)**

Rahla Rahat:

- Rahat, Rahla. (2012). Gendered spaces in Pakistani society: A critical Introduction. Women Empowerment and social transformation. (Conference Proceedings)

Dr. Rubeena Zakar:

Awards

2013 Best dissertation award from Wesfaellichen Lippen University Society, Germany 2013

List of Publications

Publications in international peer-reviewed/HEC recognized journals

- Zakar, Rubeena, Shazia Quershi, Muhammad Zakria Zakar, Muhammad Ashraf, Nauman Aqil, Safdar Abbas, Saeed Watto (2014). Caught in the Crossfire: Aggression and Violence against Doctor in Pakistan after 9/11. *Journal of Political Studies* 21(1)281-298. **(HEC Recognize)**
- Muazzam Nasrullah, Rubeena Zakar, Muhammad Zakria Zakar, Alexander Krämer.(2014) Girl Child Marriage and its Associations with Morbidity and Mortality of Children under-five in a Nationally, representative sample of Pakistan. *Journal of Pediatrics* 164(3)639-649. **(Impact factor: 4.358)**
- Muhammad Zakria Zakar, Shazia Quershi, Raza Ullah, Rubeena Zakir, Nauman Aqil, Riffat Munawar (2013). Universal Primary Education in Pakistan: Constraints and challenges. An International Journal of South Asian Studies. Vol-28 Issue 2 **(HEC Recognize)**
- Muhammad Zakria Zakar, Rubeena Zakar (2013). *Climate Change-induced Water Security: In Climate Change and Health*. Springer Publisher. **(HEC Recognize)**
- Nusrullah, Muazzam, Rubeena Zakar, Alexander Kraemer. (2013). Effect of child marriage on maternal health care services utilization in Pakistan. *Obstetrics & Gynecology*. 122 (3), 517-524 **(Impact factor: 4.73)**



- Zakar, Rubeena, Muhammad Zakria Zakar, Rafael Mikolajczyk, Alexander Krämer. (2013). Spousal violence and its association with women's mental health in Pakistan. *Health Care for Women International*. DOI:10.1080/07399332.2013.794462
(Impact factor: 0.63)
- Zakar, Rubeena, Muhammad Zakria Zakar, Alexander Krämer. (2013). Men's belief and attitudes towards intimate partner violence against women in Pakistan. *Violence Against Women*, 19(2), 246-68. **(Impact factor: 1.328)**
- Zakar, Muhammad Zakria, Rubeena Zakar, Florian Fischer. (Dec 2012). Climate change-induced water scarcity: A threat to human health. *Journal of South Asian Studies*, 27(2), 293-312. **(HEC recognized "Y" category journal)**
- Zakar, Rubeena, Muhammad Zakria Zakar, Alexander Krämer. (Nov 2012). Voices of Strength and Struggle: Women's Coping Strategies against Spousal Violence in Pakistan. *Journal of Interpersonal Violence*, 27(16), 3268-3298. DOI: 10.1177/0886260512441257. **(Impact factor: 1.639)**
- Zakar, Rubeena, Muhammad Zakria Zakar, Shazia Quershi and Florian Fischer. (2014). Harnessing information technology to Improve women's health information. *BMC women's Health*. 14:105doi:10.1186/1472-6874-14-105. **(Impact factor: 1.66)**
- Nusrullah, Muazzam, Rubeena Zakar, Muhammad Zakria Zakar, Safdar Abbas, Rabia Safdar, Mahwish Shuakat and Alexander Kramer. (2014). Knowledge and attitude towards child marriage practice among women married as children: a qualitative study in urban slums of Lahore. *BMC women's Health*. 14:1148doi:10.1186/1471-2458-14-1148. **(Impact factor: 2.32)**
- Sara Rizvi Jaffer, Rubeena Zakar, Muhammad Zakria Zakar. (2014). Gender Segregation as benefits for female nurses: A qualitative study from Pakistan. *Journal of Nursing Management* **(Impact factor: 1.45)**
- Shazia Quershi, Safdar Abbas, Rabia Safdar, Rubeena Zakar, (2013). Gender Responsive Budgeting in Pakistan: Scope and Challenges. *Journal of Research Society of Pakistan*. Vol.50, Issue.1 **(HEC Recognize)**
- Safdar Abbas, Shazia Quershi, Rabia Safdar, Rubeena Zakar, (2013). People's perception about visiting sufi Shrine in Pakistan. *An International Journal of South Asian Studies*, Vol.28 Issue. 2. **(HEC Recognize)**
- Aisha Jalil, Rubeena Zakar, Shahzia Quershi, (2013). Physical Wife Abuse in Rural Sindh, Pakistan. *Journal of Research Society of Pakistan*. Vol.50, Issue.1 **(HEC Recognize)**

Dr. Fauzia Saleem Alvi:

- Alvi, Fauzia Saleem, Munawar, Riffat, Hafeez, Muhammad (2013) "Consumer Culture: An Analysis in a Socio- Cultural and Political Frame". *Journal of South Asian Studies*. Vol.29, No.1,(September-December 2013)



Dr. Ahmad Usman:

- Usman, Ahmed, Amjad, Aisah (2013). Caste Based Endogamy in a Punjab village of Pakistan. Journal of South Asian Studies. Vol.28, No.2,.
- Usman, Ahmed, Munawar, Riffat and Amjad, Aisah .(2013). Determinants of Effective Electoral Campaign. Journal of South Asian Studies. Vol.28, No.1, (January-June 2013)

Dr. Raza Ullah:

- Ullah, Raza. (2013). "Variations in perceptions of the learning environment and approaches to studying among university students in Pakistan". Prospects: Springer XLIII, no. 2.
- Ullah, Raza. (2013) "Manifestation of mobile phone assisted personal agency among university students: evidence from Lahore. South Asian Studies Journal. Vol. 28, No. 1.

Ms. Ayesha Siddiqa Bugvi:

- Bugvi, Ayesha Siddiqa, Rahala Rahat, Rubeena Zakir, Muhammad Zakria Zakar, Flprian Fischer, Muazzam Nasrullah and Riffat Munawar (2014). Factors associated with non-utilization of child immunization in Pakistan: BMC Public Health. **(Impact factor: 2.8)**

Conferences, Seminars, Papers Presented and Workshops

(October 1, 2012 to September 30, 2013)

Dr. Sameen Masood:

- A faculty member Dr Sameen Masood presented paper titled 'Coping with Natural disasters in Poor countries', at 9th EBES Conference, Rome. January 11-13.

At the ISCS:

- A Seminar on Women and Child Health Organized by Prof. Dr. M Zakria Zakar. February 06, 2014 in Institute of Social & Cultural Studies.
- In December 2012, a Seminar titled "Character Building of Youth for Future Leadership" was held under the Center for Peace and Security Studies at the ISCS.
Mr. Syed Zaeem Hussain Qadri, MPA, Punjab was the chief guest for the occasion.
- In April 09, 2014, a seminars "Political Development and Violent Conflicts" was organized by the collaboration of Bielefeld University Germany at ISCS.
- In March 2014, another seminar titled "Recording of "National Education Forum,2014" was organized by the collaboration of All Vice Chancellors, at Dr. Pervaiz Hasan Environmental Law Centre.
- In May 05, 2014 a seminar titled "Creation of Awareness amongst the Students & Faculty Members of Act IV of 2010 For Protection against Harassment of Women" at the Workplace at ISCS.
- In November, 2014 another seminar titled "Human Rights in USA" by Prof. Dr. Bandana Purkayathr at ISCS.



- A Seminar on “National Education Forum Vice Chancellors” at ISCS.
- In April 2014 another seminar titled “Political Development & Violent Conflicts” at ISCS
- January 2014 a seminar on “Challenges of the Energy Sector of Pakistan” at ISCS.
- In April 2014 a seminar on “National Internal Security of Pakistan: An Analysis” by Dr. Rifaat Hussain at ISCS.
- In December 2014 a Seminar on “Using Positive Psychology: Live Love & Grow”
- In October 2014 another seminar on Protection against Harassment of Women at work place Act 2010 at ISCS.
- In October 2014 a seminar on “Winning Interview Techniques” at ISCS.
- July 2014 a seminar titled “Tackling Youth Extremism in Pakistan” by Bungad Youth Organization at ISCS.
- A seminar on “Pakistan Peace Initiative- Provincial Vision of Peace” at ISCS.
- An especial lecture on “How & Where to Publish” by Dr. Kanwal Ameen at ISCS.
- Interactive session by Foreign Speaker Dr. Bhavna Mehta at ISCS.
- In November 2014 a seminar titled “Role of Youth in Peace & Inter Faith Harmony” at ISCS.
- In November 2014 another seminar on “Pink Ribbon Day Celebration in collaboration with National Breast Cancer Awareness Campaign Pakistan” at ISCS.
- June 2014 a seminar on “Resettlement, Rehabilitation & Benefit Sharing” at ISCS.

July to September 2013:

- ISCS organized National Stakeholders Conference on Land Acquisition, Resettlement and Rehabilitation" at Institute of Social & Cultural Studies, University of the Punjab Lahore on 3 – 4 July.
- Two faculty members (Rahla Rahat and Ayesha Siddiq Bugvi) attended the meeting of regional centres for MLARR Course review at SriLanka from 13-15 July.
- In September 2013, a MoU was signed between Pakistan Poverty Alleviation Fund (PPAF) and University of the Punjab to collaborate for capacity building, student internships and research activities.
- A faculty member Dr Sameen Masood presented a paper titled ‘Sustaining Agriculture sector in post disastrous circumstances through Islamic Finance’. 4th Conference Dealing with Disasters. IDRIM, /September 4-6, UK.

Research Collaboration:

Foreign and Indigenous linkages:

A joint research program among University of the Punjab, University of Karachi and Bielefeld University, Germany, titled ‘Violence Research and Development’ was initiated in June 2013.



Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

R & D – An Overview:

We do not have any Institutionalized Arrangement for R & D. However, research backed teaching is being undertaken by us by distributing the following booklets to the students and faculty members of our College:

- | | |
|--------------------------------|--------------------------------|
| a) Federal Budget | c) Punjab Budget |
| b) SAARC | d) Banking Scene in Pakistan |
| e) Economic Survey of Pakistan | f) Access to Digital Resources |

These are being uploaded on our College Website.

Projects:

Our Permanent faculty undertaken various research projects financed by the University of the Punjab mentioned below.

Islamic Banking: In Retrospect & Prospect

(By Prof. Dr. Khawja Amjad Saeed & Iftikhar Ahmad)

A Comparative Study to Measure the Awareness Level of Islamic Banking among Customers & Non-Customers in Pakistan

(Mr. Zargham Ullah Khan)

Publications:

Research Papers by Prof. Dr. Mubbsher Munawar Khan

- Khan, M. M., & Billah, U. I. (2013). Product life cycle strategies in emerging markets – A case study from Pakistan. *European Journal of Economics, Finance and Administrative Sciences*, 60, 49-67.
- Khan, M. M., & Khan, S. (2013). An analysis of consumer innovativeness and cognitive buying behavior of young adults: An empirical study on university students. *The Journal of Commerce*, 5(4), 11-26.
- Khan, M. M., & Chaudhary, S. I. (2014). Impact of celebrity endorsement on consumers purchase intention. *European Journal of Social Sciences*, 41(2), 248-262.
- Khan, M. M., Wasim ul Rehman, Dodhy, Q. N., & Zia ur Rehman (2014). Impact of financial leverage on financial performance: An evidence from oil and gas sector of Pakistan. *American Journal of Scientific Research*, 96, 70-81.
- Khan, M. M., & Billah, U. I. (2014). Opportunities and challenges in emerging markets for multi national enterprises – A case study of Pakistan. *The Journal of Commerce*, 6(2), 1-18.
- Khan, M. M., & Khan, A. H. (2014). Impact of service quality on patient's trust: A case of health-care in Pakistan. *Journal of Quality and Technology Management*, 10(1), 35-57.



- Khan, M. M., & Fasih, M. (2014). Impact of service quality on customer satisfaction and customer loyalty: Evidence from banking sector. *Pakistan Journal of Commerce and Social Sciences*, 8(2), 331-354.
- Khan, M. M. (2014). Opportunities and challenges for Halal endorsement in non-Muslim cultures. *Conference Proceedings, 5th Global Islamic Marketing Conference (GIMAC5): Asia Leads the World, Kuala Lumpur, Malaysia*, 514-527.
- Bodo, B. S., Khan, M. M., & Hair, Jr. J. F. (2014). Halal endorsements: Stirring controversy or gaining new customers?. *International Marketing Review, Upcoming*.

Session Chair by Prof. Dr. Mubbsher Munawar Khan, 5th Global Islamic Marketing Conference (GIMAC5): Asia Leads the World, Kuala Lumpur, Malaysia, April 22-24, 2014

Conferences attended by Prof. Dr. Mubbsher Munawar Khan

- 5th Global Islamic Marketing Conference (GIMAC5): Asia Leads the World, Kuala Lumpur, Malaysia, April 22-24, 2014 (**Won the Best Paper Award**)
- International Trade & Academic Research Conference (ITARC) London, UK, November 4-5, 2013 (winter)

Workshops/Seminars by Prof. Dr. Mubbsher Munawar Khan

- Participated as a Judge in the Annual Presentation Skills Competition, 2014, organized by Institute of Chartered Accountants of Pakistan (ICAP), 27th November, 2014
- Participated in a workshop on International Financial Reporting Standards, organized by ACCA Pakistan, 30th September, 2014
- Indigenous On-Campus Training Program organized by University of the Punjab in collaboration with Higher Education Commission, 27th-31st October, 2014

Awards and Distinctions of Prof. Dr. Mubbsher Munawar Khan

- 1st Best Paper Research Award 2014 in 5th Global Islamic Marketing Conference (GIMAC5): Asia Leads the World
- Various Books authored by Prof. Dr. Khawaja Amjad Saeed and Prof. Riaz Ahmad Mian were updated.

Research Papers by Dr. Humera Shahid

- **Dr. Humera Shahid**, Mubasher Nazir and Jamshed Tariq, "The Impact of Working Capital Management on Firms Performance: A Case of Manufacturing Sector of Pakistan (listed at LSE)", *Academic Journal of Management Science*, Vol 3, May 2014.
- Muhammad Usman, Ali Hassan, Faiq Mahmood & **Humera Shahid**, "Performance of Textile Sector of Pakistan: Application of Data Envelopment Analysis Approach", *International Review of Management and Business Research*, Vol 3 (3), September 2014. (impact Factor JCR : 0.761)

Conferences & Seminars Attended by Mr. Iftikhar Ahmad

- Seminar on Income Tax Return organized by ICMAP on September 26, 2014.



- Seminar on Post Budget 2014-15 Organized by ICMAP on June 12,2014
- Seminar on “Frontiers of Islamic Finance” At ICMAP on March 10, 2014
- Participation in **International Conference on Islamic Business organized by RIPHAH International University, Islamabad** in 2014.

Research Papers and Conferences by Zargham Ullah Khan

- Zargham Ullah Khanm, “An investigation of the Impact of Knowledge Economy Variables on the Progress of Pakistan, International Journal of Multidisciplinary through, ISSN: 2156-6992; 3 (2;307-320) (2013)
- Zargham Ullah Khan, A study to investigate the Impact of Ethical Leadership and Organization Commitment on Employee Turnover”. International Journal of Business & Management Studies. ISSN 2058-1479:03(02); 317-322 (2014)
- Mr. Zargham Ullah Khan presented a research paper on Marketing management at IBA Karachi in conference titled as “International Conference on marketing-2014.
- Mr. Zargham presented a research paper on Marketing management at Anglo American University, Prague, Czech Republic organized by International Journal of Arts & Sciences2014.
- Zargham Ullah Khan,“An Investigation of the Selection Criteria of Islamic Banking in Pakistan: Customer Perspective. Research journal of Management Sciences. Vol. 3(6),7-9, June (2014).

Research Paper by Mrs. Rubina Bashir

- Ashfaq Ahamad & Rubina Bashir, “An Investigation of Customers Awareness Level & Customers service Utilization Decision in Islamic Banking”, published in Pakistan Economic & Social Review, V. 52, September (2014)

Conferences, Seminars and Workshops etc:

Faculty of HCBF organized Students Seminars and Guest Speaker Lectures on various topics related to Finance, Marketing, banking & Insurance.

Research Journals:

We have yet to start this activity.

Research Collaboration:

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

HAILEY COLLEGE OF COMMERCE

2.1 R&D- An Overview

2.2 Projects

04

2.3 Publications

List Attached Annexure 1

2.4 Conferences, Seminars and workshops

List Attached Annexure-11

2.5. Research Journals

Research Journal of Commerce

**2.6. Research Collaboration**

Funding Grants for R&D

HEC and University of the Punjab

ORIC (operation of office

Research, Innovation and
commercialization**Faculty of Economics & Management Sciences****DEPARTMENT OF ECONOMICS****Publications**

| | |
|--|--|
| Wasim ul Rehman, Nabila Asghar and Hafeez ur Rehman | Intellectual capital efficiency and financial performance of insurance sector in Pakistan: A panel data analysis. <i>Middle-East Journal of Scientific Research</i> Vol 17(9) pp. 1251-1259 (2014) |
| Bilal Mehmood, Hafeez ur Rehman and Syed Hasnain Haider Rizvi | From Information Society to Knowledge Society: The Asian Perspective. <i>Pakistan Journal of Information Management and Libraries</i> , Volume 15. (2014) |
| Tahir Mahmood , Muhammad Farooq Arby and Humera Sherazi | Debt sustainability: A comparative analysis of SAARC countries. <i>Pakistan Economic and Social Review</i> , Volume 52, No. 1 (Summer), pp. 15-34. (2014) |
| Tahir Mahmood and Rana Muhammad Ayyub | An empirical study of some livestock industries of Pakistan. <i>Sci. Int. (Lahore)</i> , Volume 26(3), pp. 1215-1220, (2014) |
| Rana Muhammad Ayyub, Muhammad Hassan Mushtaq, Muhammad Bilal, Tahir Mahmood , Shehzad Ahmad, Adeela Rana, Muhammad Bilal Sohail and Muhammad Waqas Khan | Exploring Arabian markets for Pakistani Halal meat – Futuristic vision. <i>Sci. Int. (Lahore)</i> , Volume 26(3), pp. 1209-1213 (2014) |
| Qazi Abdul Subhan, Tahir Mahmood and Abdul Sattar | Innovation and Economic Development: A Case of Small and Medium Enterprises in Pakistan. <i>Pakistan Economic and Social Review</i> Volume 52, No. 2, 2014 pp. 159-174 (2014) |
| Mansoor Mushtaq, Khalil Ahmad , Shabbir Ahmed, and Muhammad Nadeem | “Impact of FDI on Income Distribution in Selected SAARC Countries”, <i>Journal of Applied Environmental and Biological Sciences</i> , Special Issue 7, 2014, pp. 1-10. (2014) |
| Muhammad Nadeem , M. Azmat Hayat and Rabia Nazir | Exploring Interlinks Between Globalization and Governance. <i>Journal Pakistan Economic and Social Review</i> , Volume 52, No. 2, (2014) |
| Mushtaq Hassan , Muhammad Azfar Anwar, | The Impact of Organizational Structure on Employees’ Creativity: A Sector Based Study. <i>Journal Information and Knowledge Management</i> |

**DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**○ **Research & Development - An Overview**

Six faculty members of DoIM got published their articles in various LIS impact factor journals in the year 2014. Furthermore, five faculty members presented their papers in various international conferences including ECIL and IFLA during the said period.

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

(ii) Newly launched

Publications: Books/ Edited**Prof. Dr. Kanwal Ameen:**

- Ullah, Midrar, & Ameen, Kanwal. (2014). Current status of information literacy instruction practices in medical libraries of Pakistan. *Journal of Medical Library Association*. 102(4): 281–287. doi: 10.3163/1536-5050.102.4.009. Impact Factor.

Prof. Dr. Mumtaz A. Anwar:

- Anwar, Mumtaz Ali, & Ullah, Midrar. (2014). Health sciences information services in Pakistan in the 21st century. *Health Information and Librarianship Journal*, 31(4): 320-322. Impact Factor.
- Anwar, Mumtaz Ali. (2014). Late Dr. Muhammad Fasihuddin. *Pakistan Library and Information Science Journal*, 45 (1): 39-40.
- Naveed, Muhammad Asif, & Anwar, Mumtaz Ali. (2014). Non-agricultural information needs of rural Pakistanis. *Pakistan Library and Information Science Journal*, 45 (2): 2-11.
- Sajjad Ahmad, & Anwar, Mumtaz Ali. (2014). Sarhad Journal of Agriculture: A bibliometric analysis of the articles published from 1985 to 2009. *PUTAJ – Humanities and Social Sciences*, 20, 321-335.
- Jan, Sajjad Ullah, & Anwar, Mumtaz Ali. (2013). Pakistan Development Review: A bibliometric study of the articles published from 1973 to 2009. *International Journal of Information Management Sciences*, 2(1): 1-15.

Syeda Hina Batool:

- Batool, S. Hina, & Webber, S. (2014). Early Findings from a Study of Information Literacy Practices in Primary Schools of Pakistan. S. Kurbanoglu et al. (Eds.): ECIL 2014, CCIS 492, pp. 282–290.

Dr. Muhammad Rafiq:

- Jabeen, M., J., Yun, L., Rafiq, M., Jabeen, M., & Tahir, M. A. (Early Cite). Information literacy in academic and research libraries of Beijing, China: Practices, methods and problems. *Information Development*. (Impact Factor)



- Ullah, A. & Rafiq, M. (2014). Pakistan research repository: A showcase of theses and dissertations. *Library Hi Tech News*, 31(4). 17-20.
- Rafiq, M. & Ameen, Kanwal. (2014). Towards a digitization framework: Pakistani perspective. *Pakistan Journal of Information Management & Libraries*, 15(1). 22-29.
- Khan, M. T., Zahid, A., & Rafiq, M. (2014). Usability evaluation of University of Management and Technology Library, Lahore Website. *Pakistan Library & Information Science Journal*, 45(4). 30-41.
- Rafiq, M. & Ameen, Kanwal. (2014). Standardization and sustainability of digitization projects in university libraries of Pakistan. *VFAST Transactions on Education and Social Sciences*, 3(2). 15-23.

Dr. Shafiq Ur Rehman:

- Rehman, S. U., Kyrillidou, M., & Hameed, I. (2014). Reliability and validity of a modified LibQUAL+® Survey in Pakistan: An Urdu language experience. *Malaysian Journal of Library & Information Science*. 19(2). (Impact Factor).
- Khan, A., Rehman, H. & Rehman S. U (2013). An empirical analysis of correlation between techno stress and job satisfaction: A Case of KPK, Pakistan. *Pakistan Journal of Library & Information Science*, 14.

Alia Arshad:

- Arshad, Alia., & Shafique, Farzana. (2014). What do users prefer, card catalog or OPAC? A study of Punjab University Library. *The Electronic Library*, 32(3). (Impact Factor)

Amara Malik:

- Malik, Amara. & Mahmood, Khalid. (2014). Readiness for digital reference service (DRS) in university libraries: A survey in the Punjab, Pakistan. *Information Development*, 30(2) (Impact Factor)

Book Chapters:

- Ameen, Kanwal. (2014). Challenges of LIS education in South Asia: Pakistan, India, Sri Lanka, and Bangladesh. In Abdullahi, I. (Ed.) *The Future of LIS Education in Developing Countries: The Road Ahead*. Berlin/Munich: IFLA/De Gruyter.
- Ameen, Kanwal & Warriach, N. F. (2014). Trends in LIS education and research in Pakistan. In Jia Tina Du, J., Zhu, Q. & Koronios, A. (Eds.). *Library and Information Science Research in Asia-Oceania: Theory and Practice*. Singapore: IGI Global.
- Nosheen Fatima Warriach (2014). Perceptions of researchers about institutional repositories to archive indigenous scholarly literature: a case of Pakistan. In Samantha K. Hastings (Ed.) *Annual Review of Cultural Heritage Informatics*. Rowman & Littlefield.

for example: Authors name, Article name, Journal with date, duration, sponsoring agency, funding

- Conferences, Seminars and Workshops, etc. (sponsors, oral Presentation + Poster Presentation)
- Research Journals **2013-14 (Authors name, Article name, Journal with date)**



DoIM successfully published volume 14 of its research journal (PLISJ) for the year 2013. This journal can be seen on pu.edu.pk/home/journal/8/previous-issue.html

RESEARCH COLLABORATION

- Indigenous
- Foreign Linkages
- Funding grants for R&D

Innovational Commercialization

- Operation of Office of Research, Innovation and Commercialization (ORIC)
- Functions/ Established/ Budget / Activities

INSTITUTE OF ADMINISTRATIVE SCIENCES

| Sr. # | Name of Author | Title of Paper | Name of Journal / Conference | Vol./No | Date | Page # |
|-------|--|---|---|---------|------|---------|
| 1. | Prof. Dr. Nasira Jabeen, Dr. Amani Moazzam | Politics in Academia: A case of University of the Punjab. | <i>New Horizons</i> | 8/2 | 2014 | 81-94 |
| 2. | Prof. Dr. Nasira Jabeen | Gender Equity and Governance in Pakistan: Looking through Leventhal's Concept of Organizational Justice | <i>Development and Equity (Book)</i> | | 2014 | |
| 3. | Pro. Dr. Nasira Jabeen | Gender Equity and Governance in Pakistan: An Organizational Justice Perspective | <i>Journal of Applied Environmental, Biological Science</i> | 4 (9) | 2014 | 395-402 |
| 4. | Prof. Dr. Nasira Jabeen, Iman Saleem Dr. Zafar Iqbal Jadoon | Governance & Management of Third Sector organization in Pakistan: Role of Board | <i>A Research Journal of South Asian Studies</i> | 29/2 | 2014 | 579-592 |
| 5. | Prof. Dr. Nasira Jabeen, Prof. Dr. Jadoon, Rahat-ul-Ain & Zahra Paul | Public Service Motivation & the big five personality traits | <i>Journal of Research</i> | 51 | 2015 | |
| 6. | Dr. Abu Rashid Jafri Farida Faisal | Problems & prospects of good governance in Pakistan | <i>New Horizons</i> | 8/2 | 2014 | 81-94 |
| 7. | Dr. Kashif Rathore | State of Health: Assessment in Pakistani labor force in Gulf States | <i>The Professional Medical Journal</i> | 21/5 | 2014 | 925-928 |

Faculty Development

HEC awarded two scholarships to our faculty members for their doctoral program out of whom one of the faculty members has completed her PhD. Two scholarships have been granted to our faculty members by the University of the Punjab for earning doctorate from highly reputed foreign universities. Recently, four of the faculty members have completed their course work of in-house PhD program and four of the other faculty members have completed their course work of in-house M. Phil. program at the



Institute of Administrative Sciences. Faculty members actively participate in academic conferences, symposia, seminars and workshops to keep themselves abreast of the most recent knowledge and trends in their areas of research.

Creating Awareness and Enhancing Leadership Skills

Institute of Administrative Sciences is playing a very important role in developing the leaders for the future. Not only it focuses on the academic development of the students, but also provides students with the opportunities that can enhance their Leadership Skills and increase their awareness in other aspects of life. In this regard, the institute arranges numerous seminars and conferences for the students. Some of the important events arranged for this purpose in the year 2014-15 are as follows.

- **A Seminar on “Perspective of Governance in Pakistan”** organized on **March 7th 2014** as a part of the Alumni get-together series.
- A talk on **“Education & Job Prospects in Germany”** on May 15th 2014 delivered by **Mr. Sohaib Hasan** – Motivational Speaker, Career Development Consultant and Trainer
- A seminar on: **Social Entrepreneurship & Volunteerism, The Essence for Change and Development** on 16 June 2014 delivered by Dr. Shahid Zia & Dr. Amjad Saqib – Executive Director Akhuwat Foundation
- The Human Resource Development Center (HRDC) **organized Faculty Orientation Program** for the newly hired faculty of University of the Punjab, from 19th of August to 22nd August, 2014.
- **IETS Awareness** workshop on October 4th, 2014 by Mr. Ali Azhar – Marketing Head – British Council
- A Seminar on **“Leadership & Learning and Development in International Context”** on November 11, 2014 – Meher Shiekh – HR Head GE Global Careers
- National Outreach Program (NOP) organized a seminar in collaboration with IAS (Institute of Administrative sciences) P.U on Sat 22nd November, 2014 on **“Breakthrough thinking -Market Driven Opportunities”**.
- **“Career Anatomy”** Institute of Administrative Sciences (IAS) in collaboration with Pakistan Human Capital Forum (PHCF), Mughal Chapter conducted a Professional Learning session for graduating students on December 10, 2014
- **“Workshop on Inter Personal Skills and Self Development”** organized by Government of Pakistan Establishment Division Management Services Wing, Lahore held between 9th and 12th February. 2015.
- **Entrepreneurship Summit, “SITE 2015”** organized by Institute of Administrative Sciences, in collaboration with Course Instructor at Royal Palm Golf & Country Club, Lahore on January 14, 2015.



INSTITUTE OF BUSINESS ADMINISTRATION

Projects:

Completed

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

Newly launched

- “An Empirical investigating of Interest Rate and Exchange Rate Volatilities on Stock Market Returns in Pakistan”, a project of 2013-2014, approved for financial assistance from the University of the Punjab by Ms. Naseem Bukhari, Lecturer -IBA.

Publications

- Zeshan Ahmer (2013). Adoption of Human Resource Information Systems Innovation in Pakistani Organizations. *Journal of Quality and Technology Management* 9(2): 25-50. *Pakistan* (Recognized X Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Basharat Naeem & Mudiha Munawar (2013). How Does Customer Satisfaction Nurture Brand Loyalty? Empirical Examination of Brand Trust as Partial Mediator. *Journal of Basic and Applied Scientific Research* 3(11),500-507. *EGYPT Thomson & ISI Indexed*, (Recognized X Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Basharat Naeem & Aroosh Idrees (2014). What in Authentic Leadership Drives Sales Force Psychological Capital Facets?, *European Journal of Scientific Research* 116(4): 465-474. *SEYCHELLES Thomson & ISI Indexed*, (Recognized Y Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Basharat Naeem & Mudiha Munawar (2014). **Impact of Word-of-Mouth Communication on Brand Loyalty: Empirical Evidence from Telecom Sector in Pakistan**. *American Journal of Scientific Research* 100:: 68-74. *SEYCHELLES Thomson & ISI Indexed*, (Recognized X Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Zeeshan Akbar Buttar & M. Azeem (2014). Impact of Marketing Communication and Price Deals on Brand Equity Dimensions, *European Journal of Scientific Research* 119(4): 576 - 590. *SEYCHELLES Thomson & ISI Indexed*, (Recognized Y Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Usman Riaz Mir & Shrafat Ali Sair (2014). Effect of Organizational Culture and Top Management Support on ERP Implementation, *Science International (Lahore)*, 26(3): 1361 - 1369. *PAKISTAN* (Recognized Y Category by HEC).
- Prof. Dr. Muhammad Ehsan Malik, Basharat Naeem & Neelam Bano (2014). Nurturing Organizational Citizenship Behaviours by Optimism Subculture Empirical Evidence From



Pakistan, *Pakistan Economic and Social Review*, 52(2), 175-186. PAKISTAN (Recognized “Y” Category by HEC)

- Prof. Dr. Muhammad Ehsan Malik, Basharat Naeem & Neelam Bano (2014). Role of Optimism Subculture in Promoting Job Satisfaction Evidence from Beverage Industry of Pakistan, *Pakistan Economic and Social Review*, 52(2), 127-139. PAKISTAN (Recognized “Y” Category by HEC)

Conferences, Seminars and Workshops, etc.

- Prof. Dr. Muhammad Ehsan Malik, Director-IBA, participated and chaired a Session in the 5th South Asian International Conference (SAICON-2013) on “Management, Innovation, Leadership, Economics and Strategy” organized by COMSATS Institute of Information Technology (CIIT) in associations with the Academy of Global Business Advancement (AGBA), Higher Education Commission etc. held at Pearl Continental Hotel Bhurban, Murree Hills, Pakistan from December 4 to 6, 2013.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA, participated as Keynote Speaker, Master of Ceremony and chaired a Session in the 6th Annual International Conference (IBC 2013) held at Dearborn, Detroit Metropolitan, Michigan, USA on December 27-28, 2013.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA, participated as a “Panelist” in a session on “Internationalization: Linkages, Alliances and Accreditation” in the 1st Deans and Directors Conference on Emerging Challenges of Business Schools in Pakistan 2014 jointly organized by Higher Education Commission (HEC) and National Business Education Accreditation Council (NBEAC) held at Serena Hotel, Islamabad on 27th & 28th January, 2014.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA, delivered a lecture as keynote speaker on one-day workshop for Punjab University Librarians jointly organized by Institute of Business Administration (IBA) Punjab University and Department of Information Management, University of the Punjab at IBA on May 16, 2014.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA delivered a lecture on two Days Workshop on “Quantitative Data Analysis using SPSS” at Institute of Business Administration (IBA) on May 9 - 10, 2014.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA chaired a Session and participated as Discussant in the 27th International Business Research Conference held at the Ryerson University, Toronto, Canada from June 12 to 13, 2014.
- Prof. Dr. Muhammad Ehsan Malik, Director-IBA participated as Program Chair in the International Conference on Economics, Industrial and Business Management held at Bond Place Hotel - Downtown Toronto, Canada from June 16 to 17, 2014.
- Dr. Sania Zahra Malik, Assistant Professor attended and presented a paper on “Effect of Emotional Intelligence on Academic Performance among Business Students in Pakistan” in



the 6th International Conference of the South Asian Chapter of AGBA SAICON-2014 held at Islamabad on August 11-13, 2014.

- Dr. Sania Zahra Malik, Assistant Professor attended and presented a paper on “Do Virtuous Organizations Make Employees go beyond the call of Duty? Exploring the Relationship of organizational virtuousness and organizational citizenship behavior” in the Annual British Academy of Management Conference (BAM 2014) held at University of Ulster, Belfast, Northern Ireland, UK on September 9-11, 2014.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

Research Publications for the period 2013

Department: Institute of Business and Information Technology

Faculty: Economics and Management Sciences

| Sr. No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|--------|------------------------|----------------------------|---|--|------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | other |
| 1 | Aamir Sarwar | Asia Samreen Farheen Zaidi | “Design and Development of Credit Scoring Models for the Commercial Banks in Pakistan: Forecasting Credit Worthiness of Corporate Borrowers”. | International Journal of Business and Commerce (IJBC), Vol. 2, No. 5, pp: 01-26 | | | ‘X’ | |
| 2 | Aamir Sarwar | Amna Azmat | Factors having impact on the Career Decisions: Study of Business Graduates in Pakistan. | Business Management Dynamics (BMD), Vol. 2, No. 7, pp: 09-19 | | | ‘X’ | |
| 3 | Aamir Sarwar | Hamza Qureshi | Awareness and Willingness to buy private health insurance and a look into its future prospects in Pakistan. | European Journal of Business and Social Sciences (EJBSS), Vol. 2, No. 1, pp: 69-81 | | | ‘X’ | |
| 4 | Aamir Sarwar | - | Work Stress and Family Imbalance: Comparative Study of Manufacturing and Services Sectors in Pakistan. | Middle East Journal of Scientific Research (MEJSR), 16 (8): pp: 1051-1061, 2013 | | | | |
| 5 | Aamir Sarwar | Sidra Hameed Hira Aftab | Study to Explore the Impact of Personality Traits on Employee Turnover in Public and Private Sector | Middle East Journal of Scientific Research (MEJSR), 16 (9): pp:1249-1254, 2013 | | | | |



Research Publications for the period 2013
 Department: Institute of Business and Information Technology
 Faculty: Economics and Management Sciences

| Sr. No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|--------|------------------------|------------------|---|--|------|-----------------------|-----------|-------|
| | | | | | | Impact Factor or (IF) | HEC Recog | other |
| 1 | Hira Aftab | Aamir Sarwar | Study to Explore the Impact of Personality Traits on Employee Turnover in Public and Private Sector. | <i>Middle-East Journal of Scientific Research</i> 16(9), 1249-1254. | | | 'X' | |
| 2 | Hira Aftab | Rasheed, M. A | Examining the Impact of the Great Force of Motivation on Organizational Commitment | <i>American Journal of Scientific Research</i> (94), 5-15. | | | 'X' | |
| 3 | Hira Aftab | Raza, M. U | Does Asset Price Bubble Influence Investors' Behavior? A Case Study of Real Estate Market in Pakistan | <i>American Journal of Scientific Research</i> (93), 46-68. | | | | |
| 4 | Hira Aftab | S. M., & Arif, A | Perceptions of Politics and Perceived Performance in Public and Private Organizations | <i>Middle-East Journal of Scientific Research</i> , 16(11), 1497-1500. | | | | |

Research Publications for the period 2013
 Department: Institute of Business and Information Technology
 Faculty: Economics and Management Sciences

| Sr. No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|--------|------------------------|--------------|---|--|------|-----------------------|-----------|-------|
| | | | | | | Impact Factor or (IF) | HEC Recog | other |
| 1 | Hamza Qureshi | Aamir Sarwar | Awareness and Willingness to buy private health insurance and a look into its future prospects in Pakistan. | <i>European Journal of Business and Social Sciences (EJBSS)</i> , Vol. 2, No. 1, pp: 69-81 | | | 'X' | |

BOOK PUBLISHED BY THE FACULTY MEMBERS
 For the Period 2013

| Sr. No | Name of Faculty Member | Co-author | Department | Faculty | Title of Book | Year of Publication | Name of Publisher |
|--------|------------------------|-----------|------------|---------|---------------|---------------------|-------------------|
|--------|------------------------|-----------|------------|---------|---------------|---------------------|-------------------|



| | | | | | | | |
|---|------------|-------------|------|---------------------------------|--|------|-----------------|
| 1 | Amna Arif | Anam Hassan | IBIT | Economics & Management Sciences | Influence of electronic media in escalating aggressive behavior in children | 2013 | Anchor Academia |
| 2 | Hira Aftab | Javed, A | IBIT | Economics & Management Sciences | A study to explore the extend to which Counter Productive Work Behavior is a shaped by Job Stress: Facts from the Financial Sector of Pakistan | 2013 | Anchor Academia |

Research Publications for the period 1st January, 2014 – 31st December, 2014

Department: Institute of Business and Information Technology

Faculty: Economics and Management Sciences

| Sr.No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|-------|------------------------|--|--|--|------------------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | Other |
| 1 | Dr. Aamir Sarwar | Dr. Chitapa Ketavan | Perception of Employees of Manufacturing and Services Sectors in Pakistan to Manage Work Stress through eLearning. | World Applied Sciences Journal (WASJ) | 29 (8) | | Yes | |
| 2 | Dr. Aamir Sarwar | Aqsa Arshad Hira Aftab | A study to examine the level of employability skills among business Students. | European Journal of Scientific Research (EJSR) | Vol. 117 Issue 1 | | Yes | |
| 3 | Dr. Aamir Sarwar | Marium Naeem Hira Aftab Amna Arif | Performance Related Pay: A Comparative Study on Public and Private Universities. | Science International, Lahore. | 26 (1) | | Yes | |
| 4 | Dr. Aamir Sarwar | Hira Aftab Amna Arif Sadia Mushtaq | Impact of Career Development Programs on Academic Motivation and Career Maturity of Students. | Journal of Basic and Applied Scientific Research (JBASR) | 4(6) | | Yes | |
| 5 | Dr. Aamir Sarwar | Zainab Mansoor Dr Nadeem Shafique Butt | Investor's Behavior in Pakistan Mercantile Exchange (PMEX) | Science International, Lahore. | 26(3) | | Yes | |
| 6 | Dr. Aamir Sarwar | Hamza Qureshi Rida Fatima | Barriers to Adoption of Online Shopping In Pakistan. | Science International, Lahore. | 26(3) | | Yes | |
| 7 | Dr Aamir Sarwar | Zainab Mansoor | Investor's Perception about Pakistan Mercantile Exchange (PMEX) | International Journal of Academic Research (IJAR) | 6(6) | | x | |
| 8 | Dr Aamir | Hamza | Trust and Awareness of the | Science | 26(5) | | x | |



| | | | | | | | | |
|---|-----------------|---|--|-------------------------------|-------|--|---|--|
| | Sarwar | Qureshi, Sidra Mahmood | Retail Investor in Stock Market of Pakistan | International, Lahore | | | | |
| 9 | Dr Aamir Sarwar | Hassan Aftab, Dr Rehan Ahmed Khan & Hamza Qureshi | Impact of Macroeconomic Factors on the Stock Index: A Case Study of Pakistan | Science International, Lahore | 26(5) | | x | |

| Total No. of Research Publications | | | |
|------------------------------------|-----|-------|------------------------|
| With If | HEC | Other | Conference Proceedings |
| Nil | 9 | Nil | Nil |
| Total | | 9 | |

Research Publications for the period 1st January, 2014 – 31st December, 2014

Department: Institute of Business and Information Technology
Faculty: Economics and Management Sciences

| Sr.No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|-------|------------------------|---|---|---|-------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | other |
| 1 | Shamaila Gull | | Corporate Sustainability: An Emerging Paradigm to Gain Competitive Advantage | "Building Sustainable Legacies" by Greenleaf Publications | 3 | | | ✓ |
| 2 | Shamaila Gull | Nazish Bukhari, Mahnaz Hassan, Maryam Anjum | "Motivation & Its Impact on Self-Efficacy Level of Employees: Evidence from Banking Sector of LHR, Pakistan." | Science International Lahore | 26(5) | | ✓ | |

| Total No. of Research Publications | | | |
|------------------------------------|-----|-------|------------------------|
| With If | HEC | Other | Conference Proceedings |
| | | 2 | |
| Total | | 2 | |

Research Publications for the period 1st January, 2014 – 31st December, 2014

Department: Institute of Business and Information Technology
Faculty: Economics and Management Sciences

| Sr. No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|--------|------------------------|----------------------------|--|---|------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | other |
| 1 | Hira Aftab | Aamir Sarwar & Aqsa Arshad | A Study to Examine the Level of Employability Skills among Business Students | European Journal of Scientific Research | 117 | | Y | |
| 2 | Hira Aftab | Aamir | Performance Related Pay: A | Science | 26 | | X | |



| | | | | | | | | |
|---|------------|---|--|--|---|--|---|--|
| | | Sarwar, Amna Arif and Marium Naeem | comparative study on Public and Private Universities | International | | | | |
| 3 | Hira Aftab | Aamir Sarwar, Amna Arif and Sadia Mushtaq | Impact of career development Programs on Academic motivation & Career maturity of students | Journal of Basic and Applied Scientific Research | 4 | | Y | |

| Total No. of Research Publications | | | |
|------------------------------------|-----|-------|------------------------|
| With If | HEC | Other | Conference Proceedings |
| | 3 | | |
| Total = 3 | | 3 | |

Research Publications for the period 1st January, 2014 – 31st December, 2014

Department: Institute of Business and Information Technology

Faculty: Economics and Management Sciences

| Sr.No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|-------|----------------------------|---|--|-------------------------------|-------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | other |
| 1 | Syeda Nazish Zahra Bukhari | - | Corporate Sustainability: An Unprecedented Journey: Based on a Four-Stage Model of Economic Injustice and Peace. | Building Sustainable Legacies | 2 | | | |
| 2 | Syeda Nazish Zahra Bukhari | Shamaila Gul Mahnaz Hassan Maryam Anjum | "Motivation & Its Impact on Self-Efficacy Level of Employees: Evidence from Banking Sector of LHR, Pakistan." | Science International Lahore | 26(5) | | ✓ | |

| Total No. of Research Publications | | | |
|------------------------------------|-----|-------|------------------------|
| With If | HEC | Other | Conference Proceedings |
| | | 2 | |
| Total | | 2 | |

Research Publications for the period 1st January, 2014 – 31st December, 2014

Department: Institute of Business and Information Technology

Faculty: Economics and Management Sciences

| Sr.No | Name of faculty Member | Co-author | Title of Research Paper | Name of Publishing Journal | Vol. | International / Local | | |
|-------|------------------------|-----------|-------------------------|----------------------------|------|-----------------------|-----------|-------|
| | | | | | | Impact Factor (IF) | HEC Recog | other |
| 1 | Hamza | Rida | Barriers to adoption of | Science | 26 | - | Yes | |



| | | | | | | | | |
|---|---------------------|--|--|-----------------------|----|---|-----------------|--|
| | Ahmad Qureshi | Fatima, Dr. Aamir Sarwar | online shopping in Pakistan | International | | | | |
| 2 | Hamza Ahmad Qureshi | Dr. Aamir Sarwar, Hassan Aftab, Rehan Ahmed Khan | Impact of Macroeconomic Factors on the Stock Index: A Case Study of Pakistan | Science International | 26 | - | Yes ISI Indexed | |
| 3 | Hamza Ahmad Qureshi | Sidra Mehmood, Dr. Aamir Sarwar | Determinants of Trust & Level of Awareness of Retail Investors in Stock Market of Pakistan | Science International | 26 | - | Yes ISI Indexed | |

| Total No. of Research Publications | | | Conference Proceedings |
|------------------------------------|-----|-------|------------------------|
| With If | HEC | Other | |
| | 3 | | |
| Total | | | 3 |

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Publications

Dr. Humara Bano

Assistant Professor, DSE

A. Research Papers published in Foreign Journals of International Repute.

- Paper published on *“Leisure Time Activities of Students with Visual Impairment”* as co author in Academic Research International Vol. 5 (5) September 2014 with impact factor 0.389.

B. Research papers published in Pakistani Journal of National/ International Repute

- A research paper published in Journal of Humanities and social sciences, SCHEMA, volume 11, 2014, entitled Behaviour management of students with mental retardation by using music therapy.
- Paper is published in *“Pakistan Journal of Special Education (PJSE). Volume 15. ISSN 1818-2860”* on *“Impact of Parental Migration on Developmental Issues of Children with Speech and Hearing Impairment”* 2014.
- Paper is published in *“Pakistan Journal of Special Education (PJSE). Volume 15. ISSN 1818-2860”* on *“Achievements of Children with Hearing Impairment on Speech Language Therapy Plans in Urdu from Play Group to KG-II”* 2014.
- Paper published on *“Provision of Special Educational Needs of Hearing Impaired Children”* in Pakistan Journal of Special Education, Vol. 13, 203. ISSN 1818-2860. Pp.131-138, University of Karachi 2014.



Dr. Hina Fazil:

Assistant Professor

Paper published:

- Paper published on “A study about attitude of parents toward participation of University of females in sports” in Journal of Gender Studies University of Karachi Vol. 9, 2014.
- Paper published on “Development and Validation of Teaching Learning Resource Package for Children with Autism” in Annual Journal of Humanities and Social Sciences Vol.10 2013.
- Paper published on “Identification of Oromotor Impairments Perceived by Parents Retarded to Feeding Difficulties in Children with Cerebral Palsy” at University of Karachi IJPSS, Vol.4 2014.
- Paper published on “Differential Topic Achievement of Students with Autism in Reading Writing and Numeracy” in Academic Research International, Vol.5 (4) 2014.
- Paper published on “Perceptions of School Administrators about Facilities Available in Schools for Children with Autism in Pakistan” in Academic Research International, Vol.5 (4) 2014.
- Paper published on “Assessment Challenges Faced by University teacher in Inclusive Classroom” in University of Karachi IJPSS 2014.
- Paper published on “Factors Influencing Motivation of Female Special Education Teachers in their Job Performance” in University of the Karachi SCHEMA, Vol.11 2014.

Dr. Rukhsana Bashir:

Assistant Professor

Paper published:

- Published a paper as principal author titled “Difficulties faced by students with visual impairment registered in open and distance learning programs of Allama Iqbal Open University, Islamabad, Pakistan” in Academic Research International Vol.5, No.3, May, 2014, ISSN-L:2223-9553 Online.
- Published a paper titled “Social networking as a learning resource for persons with visual impairment” in Academic Research International Vol.5, No.3, May, 2014. ISSN-L:2223-9553 Online.
- Published a paper as co- author titled “Differential Achievements of Students with Autism in Reading, Writing and Numeracy” in Academic Research International Vol.5, No.4, July, 2014, ISSN-L:2223-9553 Online.
- Published a paper as co- author titled “Leisure Time Activities of Students with Visual Impairment” in Academic Research International Vol.5, No.5, September, 2014, ISSN-L:2223-9553 Online.
- Published a paper as co-author titled “Provision of Physical Education Services for Students with Hearing Impairment” in Schema: Journal of Humanities and Social Sciences Vol. 10,



2014. Department of Special Education, University of Karachi, Karachi, Pakistan. Authors: Ghulam Fatima, Rukhsana Bashir, RabiaFazal, & AyshaKhaliq.

Dr. Samina Ashraf:

Assistant Professor

Publications:

- A research paper published in a Journal of Educational Science and Research, University of Sargodha, entitled services and facilities available to special needs students, volume 1, issue 1, June, 2014 ISSN 2310-7901.
- A research paper published in Journal of Humanities and Social Sciences, University of the Karachi, SCHEMA, volume 11, 2014, entitled Behaviour Management of Students with Mental Retardation by using Music Therapy.

Mrs. Ghulam Fatima:

Lecturer, DSE

Publications:

- Published a paper titled “ Emotional intelligence and test anxiety: A case study of Unique School System” in Journal of Elementary Education Vol. 23, December 2013 No. 2 pp. 49-56, Institute of Education & Research, University of the Punjab, Lahore. Authors : Misbah Malik, Mumtaz Akhter, Ghulam Fatima, Mahwish Safder
- Published a paper as principal author titled “Difficulties encountered by students with visual impairment in inclusive education at higher education level” in Journal of Educational Research Vol. 16, No. 1pp.66-76, December, 2013 Islamia University Bahawalpur.
- Published a paper as principal author titled “Difficulties faced by students with visual impairment registered in open and distance learning programs of Allama Iqbal Open University, Islamabad, Pakistan” in Academic Research International Vol.5, No.3, May, 2014, ISSN-L:2223-9553 Online.
- Published a paper titled “Social networking as a learning resource for persons with visual impairment” in Academic Research International Vol.5, No.3, May, 2014. ISSN-L:2223-9553 Online.
- Published a paper as co-author titled “A Survey of Facilities and Services Available for Students with Special Needs in Universities of Lahore City” in Journal of Educational Sciences and Research Vol.1, No.1, June, 2014. ISSN 2310-7901. Authors: Dr. Samina Ashraf, Ghulam Fatima, Mohsin Tauqeer & Nusrat Javaid.
- Published a paper as principal author titled “Provision of Physical Education Services for Students with Hearing Impairment” in Schema: Journal of Humanities and Social Sciences Vol. 10, 2013. Department of Special Education, University of Karachi, Karachi, Pakistan. Authors: Ghulam Fatima, Rukhsana Bashir, Rabia Fazal, & Aysha Khaliq.



- Published a paper as co-author titled “Inclusive Education in Pakistan: Feasibility and Challenges” in SUIJBAS (Sarhad University International Journal of Basic and Applied Sciences) Vol. 2, No.1, June, 2014. Sarhad University of Science & Information Technology, Pashawar, Pakistan.
- Published a paper as co-author titled “Effectiveness of Practicum Component of B.Ed. Program at University of Education Lahore, Pakistan” in Educational Research International Vol. 3, Issue 4, August, 2014. Authors: Samra Bashir, Misbah Malik, Ghulam Fatima, Saima Bashir.
- Published a paper as co-author titled “ Effect of Religious Education on Moral Development of Adolescents with Hearing Impairment “in Academic Research International Vol.5, No.6, November, 2014. ISSN: 2223-9553. Authors: Mahwish Safder, Ghulam Fatima, Misbah Malik, Samra Bashir.
- Published a paper as co-author titled “Utilization of Computer Technology by Students with Visual Impairment” in Asian Journal of Research in Social Sciences and Humanities Vol. 4, Issue No. 12, December, 2014. Authors: Dr. Rukhsana Bashir, Ghulam Fatima, Dr. Bushra Akram Bajwa, Muhammad Umer.
- Published a paper as principal author titled “Opinions of Teachers about Parental Contribution to their Young Children with Deafness” in Pakistan Journal of Special Education Vol.16, December, 2014, Department of Special Education, University of Karachi, Pakistan. Authors: Ghulam Fatima, Prof. Dr. Abid Hussain Ch., Misbah Malik.
- Accepted a paper as principal author titled “Provision of Early Childhood Special Education to Children with Deafness Enrolled in Public Sector Special Schools in Punjab” in Journal of College Teaching & Learning, 2014. Authors: Ghulam Fatima, Prof. Dr. Abid Hussain Ch., Misbah Malik, Mahwish Safder.

Conferences, Seminars and Workshops, etc.

Dr. Humara Bano:

Assistant Professor

- Department of Special Education arranged a one day seminar on “Tahafeze Haqooqe-Naswan” on 8th March, 2014.
- Department of Special Education arranged a one day Seminar on “International White Cane Day” at Department of Special Education on 15th October, 2014. Dr. Izhar-ul-Haq Hasmi , Managing Director PWTd was the chief guest .
- Department of Special Education arranged one day seminar on “Sustainable Development: Promise of technology” ’ in celebration of International Disable Day on December 15, 2014 in collaboration with Child Welfare Center, University of the Punjab, Lahore
- Attended one day seminar on “My Teacher” organized by IER, P.U. Lahore held on January 1, 2014.
- Attended one day seminar on “Pakistan: Responding to Toughest Challenges” organized by Pakistan Study Center, University of the Punjab, held on Feb. 20, 2014.



- Participated in 5th Post Graduate Students Conference 2014, arranged by IER held on May 21, 2014.
- Participated in one day National Conference on “**Democracy and Governance in Pakistan: Challenges and Opportunities**” in connection with the Independence Day Celebration arranged by Pakistan Study center, University of the Punjab, held on August 20, 2014
- Attended one day seminar on “Living with Books in the Age of Electronic and Social Media” in celebration of “World Book and Copy Right Day” arranged by Dept. of Library and Information Sciences, university of the Punjab, held on April 22, 2014. Prof. Dr. Mujahid Kamran, Vice Chancellor P.U. was the Chief Guest.
- Attended one day seminar on “Iqbal Day” arranged by Punjab University Library held on April 30, 2014. Prof. Dr. Mujahid Kamran, Vice Chancellor P.U. was the Chief Guest.
- Attended a seminar on “*Revisiting Women’s History in Pakistan*” organized by Punjab University Pakistan Study Centre (PSC) held in April, 2014 “ Prof. Dr. Pippa Virdee of Demont Fort University, United Kingdom, was the keynote speaker.
- Attended a seminar on “Existing alarming Situation at LOC, arranged by Pakistan Study Center, P.U. held on Oct.22, 2014. Mr. Mian Mahboob Ahmed, former Chief Justice Lahore High Court was the chief guest.
- Attended a one day seminar on “Pakistan & The International Scenario: Key Challenges” arranged by Academic Staff Association held on December 4, 2014. Mr. Syed Mowahid Hussain Shah, Political Analyst , was the chief guest.
- Attended and presented a paper on “Impact of Parental Migration on Developmental Issues of Children with Speech and Hearing Impairment” in Two Days International Conference on ‘Migration, Education and Development in South Asia’ arranged by Department of Anthropology, Quaid-e-Azam University , Islamabad held on March 27-28, 2014.
- Attended and Presented a Paper on “*Emotional Intelligence and Academic Achievement Among University Students*” in 2nd International Conference on Research in Education (ICORE 2014)”arranged by IER, P.U. held on Nov.18-20, 2014.
- Attended and Presented a Paper on “*A study of Classroom Interaction of Students with Hearing Impairment at Elementary and Secondary Level*” in 2nd International Conference on Research in Education (ICORE 2014)”arranged by IER, P.U. held on Nov.18-20, 2014.
- Attended and Presented a Paper on “ *Behavioral Management of Students with Mental Retardation*” in 2nd International Conference on Research in Education (ICORE 2014)”arranged by IER, P.U. held on Nov.18-20, 2014.
- Attended Two Days International Conference on ‘Migration, Education and Development in South Asia’ arranged by Department of Anthropology, Quaid-e-Azam University , Islamabad held on March 27-28, 2014.



- Attended 1st International Conference on Rehabilitation Sciences arranged by Ripha International University held on March 15, 2014 at Hotel Pearl continental, The Mall, Lahore.
- Attended a National Conference on “*Democracy and Governance in Pakistan: Challenges and Opportunities*” in connection with the Independence Day Celebration arranged by Pakistan Study center, University of the Punjab, held on August 20, 2014.
- Attended and participated in 5th Post Graduate Students Conference 2014, arranged by IER held on May 21, 2014.

Dr. Hina Fazil:

Assistant Professor

Conducted and presented in various workshops and seminars

1. Attended a workshop on “Brain behavior connection in children with autism” in a teacher training workshop organized by Rising Sun institute from 2 to 10 June 2014
2. Attended a workshop on “sexual problems of adults with autism” in a teacher training workshop organized by Rising Sun institute from 2 to 10 June 2014
3. Attended and participated in seminar on future of slow learners held on 12 September, 2014 organized by SSH, UMT Lahore
4. Attended and participated in seminar on future of slow learners held on 19 September, 2014 organized by SSH, UMT Lahore.

Dr. Rukhsana Bashir:

Assistant Professor

International Conferences- Attended/ Papers presented

- Presented a paper as principal author titled “Social networking as a learning resource for persons with visual impairment” in International Conference from 1-3 October, 2013 organized by Allama Iqbal Open University, Islamabad, Pakistan.
- Presented a paper as co-author titled “Difficulties faced by students with visual impairment registered in open and distance learning programs of Allama Iqbal Open University, Islamabad, Pakistan” in International Conference from 1-3 October, 2013 organized by Allama Iqbal Open University, Islamabad, Pakistan.
- Presented a paper on “ A comparative analysis of Mathematics curriculum for students with and without hearing impairment from class 6 to 10” in 3rd International Conference with theme ‘*Education in Pakistan: Practices & Challenges*’ from 6-7 January, 2014 organized by University of Education, Township Campus, Township, Lahore. Authors: Ghulam Fatima, Dr. Rukhsana Bashir, Misbah Malik, Mahwish Safder, Dur-e- Nayab.
- Presented a paper on “ Attitudes of pre-service teachers towards inclusive education” in 3rd International Conference with theme ‘*Education in Pakistan: Practices & Challenges*’ from 6-7



January, 2014 organized by University of Education, Township Campus, Township, Lahore.
Authors: Dr. Rukhsana Bashir, Ghulam Fatima, Misbah Malik, MahwishSafder.

Participation in Workshop / Courses / Seminars

- Attended a seminar on “Mapping Research and Development in Disability” on May 02, 2014 organized by Department of Social Sciences & Humanities, University of Management and Technology, Lahore.
- Attended a seminar on International Women’s Day on March 08, 2014 organized by Department of Special Education, University of the Punjab, Lahore.
- Attended a seminar on “Education Road Map” on February 14, 2014 at Undergraduate Studies Hall organized by University of the Punjab, Lahore.

Dr. Samina Ashraf

Assistant Professor

Seminars, Conferences and workshops

- Attended, participated and presented a research paper in International Conference on Education in Pakistan at University of Education, Lower Mall Campus, and Lahore on Jan 6-7, 2014, on perception of special education teachers on inclusive education.
- Attended a seminar organized by al-gazali organization on inclusive education: future of persons with disabilities on sep 25th 2014 .
- Attended a one day seminar on mapping research and development in disability on 2 May, 2014 held at UMT.
- Attended one day seminar in celebration of Women Day on 8 March 2014 Held at Department of Special Education, University of the Punjab, Lahore.

Mrs. Ghulam Fatima

Lecturer, DSE

Participation in Workshop / Courses / Seminars

- Attended a seminar on International Women’s Day on March, 2014 organized by Institute of Education & Research, University of the Punjab, Lahore.
- Attended a seminar on “Education Road Map” on February 14, 2014 at Undergraduate Studies Hall organized by University of the Punjab, Lahore.

International Conferences- Attended/ Papers presented

- Presented a paper on “Barriers faced by students with visual impairment enrolled in programmes of distance education of Allama Iqbal Open University, Islamabad, Pakistan” in 27th Asian Association of Open Universities Conference 2013 with theme Levering the Power of Open and Distance Learning for Building a Divergent Asia: Today’s Solution and Tomorrow’s Vision on 1-3 October, 2013 organized by Asian Association of Open Universities held in Allama Iqbal Open University, Islamabad.



- Presented a paper on “Social networking as a learning resource for persons with visual impairment” in 27th Asian Association of Open Universities Conference 2013 with theme Levering the Power of Open and Distance Learning for Building a Divergent Asia: Today’s Solution and Tomorrow’s Vision on 1-3 October, 2013 organized by Asia Association of Open Universities held in Allama Iqbal Open University, Islamabad.
- Presented a paper on “ A comparative analysis of Mathematics curriculum for students with and without hearing impairment from class 6 to 10” in 3rd International Conference with theme ‘Education in Pakistan: Practices & Challenges’ from 6-7 January, 2014 organized by University of Education, Township Campus, Township, Lahore. Authors: Ghulam Fatima, Dr. Rukhsana Bashir, Misbah Malik, Mahwish Safder, Dur-e- Nayab.
- Presented a paper on “ Provision of Early Childhood Special Education to children with hearing impairment enrolled in public sector schools of the Punjab province” in 3rd International Conference with theme ‘Education in Pakistan: Practices & Challenges’ from 6-7 January, 2014 organized by University of Education, Township Campus, Township, Lahore. Authors: Ghulam Fatima, Dr. Abid Hussain Ch., Misbah Malik, Mahwish Safder.
- Presented a paper on “Relationship of self-concept, socio economic status and teachers’ motivational practices with motivational goal orientation of secondary school students” in 3rd International Conference with theme ‘Education in Pakistan: Practices & Challenges’ from 6-7 January, 2014 organized by University of Education, Township Campus, Township, Lahore. Authors: Misbah Malik, Dr. Abid Hussain Ch., Ghulam Fatima, Samra Bashir, Mahwish Safder.
- Presented a paper on “ Attitudes of pre-service teachers towards inclusive education” in 3rd International Conference with theme ‘Education in Pakistan: Practices & Challenges’ from 6-7 January, 2014 organized by University of Education, Township Campus, Township, Lahore. Authors: Dr. Rukhsana Bashir, Ghulam Fatima, Misbah Malik, Mahwish Safder.

INSTITUTE OF EDUCATION & RESEARCH

- Projects: (i) Completed (**Duration, Sponsoring Agency, Funding**)?
(ii) Newly launched

| Name of Researcher/ Sponsoring Agency | Title of Research Project | Status |
|--|---|---------------|
| USAID Teacher Education Project | A Study of Gaps between Beliefs and Practices of Teacher Education in B.Ed (Hons) and ADE Classrooms in Universities and Affiliated Colleges in Punjab. | Completed |
| University of the Punjab | Relationship of Curricular Demands with academic self regulation and academic excellence in students’ performance in Higher Education | Completed |
| University of the Punjab | Impact of Cooperative Learning Intervention on Students’ Achievement and logical reasoning | In progress |



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|---------------------------------|--|-----------|
| DFID-HEC | Development of Minimum Quality Standards (MQS) for colleges in Pakistan | Completed |
| University of the Punjab | Investigating the students' understanding of science concepts using concept cartoons | Completed |
| USAID Teacher Education Project | Study of challenges and opportunities faced by prospective teachers during teaching practice: Connecting theory and practice | Completed |
| University of the Punjab | A Study to Explore the Influence of SMS (Short Message Service) Language on Academic Writing of Students at Post-Graduate Level. | Completed |
| USAID Teacher Education Project | Development of Reflective Practitioners: A Case of New B.Ed (Hons) Classroom. | Completed |

Publications

| Sr. No. | Name of Author | Title of Paper/Article |
|---------|--|--|
| 1 | Dr. Mumtaz Akhter Dr. Rizwan Akram Rana | Chemistry Laboratory Teaching –Learning Environment – Development an Inventory for Survey, International Journal of Novel Research in Education and Learning. Vol. 1, Issue 2. |
| 1 | Dr. M. Saeed Akhter | Impact of Training on Teachers Competencies at Higher Education Level in Pakistan. Journal of Arts, Science & Commerce, India. |
| 2 | Dr. M. Saeed Akhter | Development and Validation of Organizational Environment Scale (OES) for University Teachers. Journal of Research and Reflections in Education |
| 3 | Dr. M. Saeed Akhter | A Critical study o Educational and Contemporary Contribution of Dar ul Aloom Deoband. Al –Idah (Bi-Annual Research Journal) |
| 4 | Dr. M. Saeed Akhter | Understanding Iqbal's Educational Thought. The Dialogue: A Quarterly Research Journal |
| 5 | Dr. M. Saeed Akhter | A Study to investigate the effect of demographic variables on leadership styles used by department Heads in Universities. Journal of Quality & Technology Management. |
| 6 | Dr. Muhammad Islam | Reinterpretation of L2 Motivation LAP Lambert in the Contemporary World: Academic Publishing A Study of Pakistani University Students. |
| 7 | Dr. Tariq Hussain | Students' Attitude towards Technology: A Case Study from Pakistan, Bulletin of Education and Research (BER) accepted for Publication |
| 8 | Dr. Muhammad Abiodullah | Postgraduate students' Attitude towards Research, Bulletin of Education and Research Vol. 36 (1). |
| 9 | Dr. Muhammad Abiodullah | Outcomes of Posterior Urethral Valves in Boys Pakistan Pediatric Journal, Vol. 38 (3). |



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|-----|--|---|
| 10 | Dr. Muhammad Aamir Hashmi | Student-Teacher Relationship and its impact on academic Integrity: A case of University of the Punjab, Pakistan Library & Information science Journal Vol. 45 June 2014 |
| 11 | Dr. Muhammad Aamir Hashmi | The Effectiveness of Modern Teaching Technologies: Perspective of Post-Graduate Students. The International Journal of Technologies in Learning Vol. 20. |
| 12 | Dr. Muhammad Aamir Hashmi & Dr. Ashi Zeeshan | The Effectiveness of Modern Teaching Technologies: Perspective of Post graduate Students, Journal of Technologies in Learning Vol. 20. |
| 13 | Dr. Abdul Qayyum Ch. | Gender Discrimination in Curriculum a Reflection from Punjab Textbook Board. Bulletin of Education and Research Vol. 36 (1). |
| 14 | Dr. Abdul Qayyum Ch. | Financial Problems Faced by the Parents of the Students Studying in Private School of Lahore city, Published in Science International Lahore. |
| 15 | Dr. Muhammad Saeed | Exploring Problems and Feedback on Teaching Practice of Prospective Teachers in Institute of Education and Research, University of the Punjab. European Academic Research Vol. 2. |
| 16 | Ms. Tahira Afridi & Dr. Ashi Zeeshan | Assessing Service Quality in Business Schools: Implications for Improvement. International Journal of Research in Applied, Natural and Social Sciences, Vol. 2 (8) |
| 17 | Dr. Abida Nasreen | Career Management in the Learning Organizations: Faculty Reflections. International Journal of Knowledge Management and Practices Vol. 2 (1) |
| 18 | Dr. Abida Nasreen | The Role of Emotional Intelligence in academic performance of male and female students n the University of the Punjab, Journal of Education & Practices Vol. 5 (4). |
| 19. | Dr. Abida Nasreen | A Study on Classroom Environment and Learning of the Students at Secondary Level. Journal of Education & Practice. Vol. 5 No. (4). |
| 20 | Dr. Shaukat Ali Raza | Measuring the attributes of University teaches as perceived by student Scale development and validation. Journal of Social Sciences & management 4(4). |
| 21 | Dr. Shaukat Ali Raza | Investigation of Employees' Stress Level in Pakistani Cell Phone Industry. British Journal of Economics, Management, & Trade 4(6). |

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

- Prof. Dr. Mumtaz Akhter participated and presented paper titled "Effect of Meta-cognition awareness on Performance in Presentation of Prospective Teachers" in the International Conference on Social Sciences and Humanities Organized by the SOCIO-INT 14 from 08-10 September 2014 at Istanbul, Turkey.
- Ms. Mubashira Khatoon participated and presented paper titled "Teaching as Future Profession- Explore Undergraduate Business Students Attitudes toward Teaching Profession" in the



International Conference on Social Sciences and Humanities Organized by the SOCIO-INT 14 from 08-10 September 2014 at Istanbul, Turkey.

- Dr. Aroona Hashmi participated and presented paper titled “Parental Encouragement in Schooling of Pakistani Children and its Impact on Their Achievement at Elementary Level” in the International Conference on Social Sciences and Humanities Organized by the SOCIO-INT 14 from 08-10 September 2014 at Istanbul, Turkey.
- Dr. Ahmad Sher Awan, participated and presented paper in titled “A Study of Constructivist Approach of Learning for the Conceptual Change about the Concept Chemical Change” being organized by INTELLECTBASE from 17-20 December, 2013 at Las Vegas, NV-USA.
- Mrs. Farrukh Munir, participated & presented paper entitled “English as Foreign Language (EFL) Students’ attitudes toward English Language: the case of district Lahore Secondary School Students in Pakistan” in 2nd Bangkok International Conference on Social Sciences (BICSS) in Bangkok Thailand from 18-20 January, 2014.
- Dr. Muhammad Saeed Akhter Presented paper in “Dual Education System in Pakistan” in Educational Conference on February 03, 2014 at Lahore University, Raiwind Road, Lahore.
- Dr. Tariq Mahood Khan, Participated and presented paper “Effect of Leadership Style And Emotional Intelligence Profile on Participative Decision Making Practices of Principals for The Management of Inclusive Education” in Intellect Base Academic conference Las Vegas USA, December 17-20, 2013.
- Dr. Tariq Mahood Khan, Participated and presented paper “A Study of Constructive Approach of Learning for the Conceptual Change About The Concept of Chemical Change” in Intellect Base Academic conference Las Vegas USA, December 17-20, 2013.
- Dr. Abida Nasreen participated and presented paper titled, “Beyond Reforms: Development partners and politics of higher education transformation in south Asia, Two Days International Conference on ‘Migration, Education and Development in South Asia” Supported by Higher Education Commission Govt. of Pakistan and British Council Islamabad under the program ‘International Strategic Partnership in Research and Education’ (INSPIRE) held on 27-28 March 2014.
- Dr. Abida Nasreen participated and presented paper titled, Managing Careers: Faculty Reflections on Career Planning. 3rd South Asian Management Research and Case Conference Indian Institute of Management Bangalore, 27-29 Dec 2013. Bangalore, India.
- Dr. Abida Nasreen participated and presented paper titled: Career Management in Learning Organization: Faculty Reflections. KJSIMSR, international conference on learning organization titled Transforming into learning organizations: Linking the present with the future. K.J Somiya institute of management studies and research, Vidyanagar held on 3rd and 4th January 2014. India, Mumbai.



- Dr. Abida Nasreen participated and presented paper titled, Conference on Harnessing the Potential of Low –fee Private Schools: Improving Education Quality, April 22-23, 2014. Sponsored by United States Agency for International Development (USAID), at Lahore University of Management Science (LUMS).
- Dr. Abida Nasreen participated and presented paper titled: The role of emotional intelligence in academic performance of male and female students in University of the Punjab. 5th Post Graduate Students Conference-2014 on Education for Peace and Prosperity Institute of Education & Research, University of the Punjab, Lahore.
- Dr. Tariq Hussain Participated in five days’ workshop on course development for “Pre-Service Training for TVET Teachers” on 24-28 February 2014 organized by GIZ at Avari, Islamabad.
- Dr. Tariq Hussain Participated in six days workshop on course development for “Pre-Service Training for TVET Teachers” 19-24 May, 2014 organized by GIZ at Park Plaza, Lahore.
- Dr. Tariq Hussain Participated in seminar on “Geopolitik of Pakistan” on Thursday January 16, 2014 organized by Punjab University Centre for South Asian Studies.
- Dr. Tariq Hussain Participated in seminar on “Reforming Violence, Transforming Impression: Images in Contemporary Pakistani Visual Art and English Language Fiction” on Tuesday December 31, 2013 Punjab University Pakistan Study Centre (PSC).
- Dr. Tariq Hussain Participated in Special seminar on “Pak-India Relations” on Monday December 23 at 9 am at Al Raazi Hall by Department of History Punjab University.
- Dr. Tariq Hussain Participated in Seminar on “International Day of Persons with Disabilities” on Tuesday, December 3, 2013 at 9am at Child Welfare Centre organized by Punjab University Department of Special Education in collaboration with Child Welfare Center.
- Mr. Asim Nazir participated in 4 days workshop on “Visualization in Science and Technology Education” organized by Pre-Step, in Collaboration with Massachusetts Institute of Technology held at Virtual University Lawrence Road, Lahore.
- Dr. Abdul Qayyum Ch. Participated in International Conference on Socio–Economic & Cultural Relationship between India and Pakistan November 2013.

Conferences/Workshops/Seminars Organized by IER

4th Post Graduate Students Conference 2013 on “Comparative Education: Needs and Trends in 21st Century” on 28 August, 2013 Organized by Students Affairs Committee, Institute of Education & Research, University of the Punjab, Lahore, Pakistan.

Conference Organized by IER

Institute of Education and Research was organized “2nd International Conference on Research in Education (ICORE 14), to be held on November 18-20, 2014.

Workshop/Seminar Organized by IER

Conferences Organized by IER



- 5th Post Graduate Students Conference 2014 on “Education for Peace and Prosperity” on 21 May, 2014 Organized by Students Affairs Committee, Institute of Education & Research, University of the Punjab, Lahore, Pakistan.
- PARWAZ, 3 Days Business Workshop, Organized in the Department of Business Education. Institute of Education and Research, University of the Punjab, Lahore
- Workshop for “Teaching Learning Resources (TLR)” organized by Department of Elementary Education, IER, University of the Punjab from 16-19 September 2014.
- Seminar on “Yom-e-Takbeer” was organized by Department of Secondary Education, IER, University of the Punjab on 04-06-2014. A large number of students and faculty members participated in this seminar.

Research Journals

Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 36, No. 2, 2014.

Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 36, No. 1, 2014.

Journal of Secondary Education, Institute of Education and Research, University of the Punjab Lahore Volume 1, No.1 2014.

Journal of Elementary Education Institute of Education and Research, University of the Punjab Lahore Volume 24 No 1, 2014.

RESEARCH COLLABORATION

- Indigenous
- Foreign Linkages

2 International Linkage with Beijing Normal University, China

Funding grants for R&D

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

R & D-An Overview

The Centre was established in 2003 to provide trained manpower for utilization of huge coal deposits available in Pakistan in order to achieve self-reliance in the energy sector. Research activities remain continued throughout the year by mutual coordination of the faculty and students, which are particularly aimed at exploring the. 18 students have completed their research thesis under the supervision of senior faculty teachers. Another milestone, which was achieved during this course of time, was the approval of the expansion project of the Centre for Coal Technology.

Projects:

- i) **Completed:**

**Completed Research Projects**

| Sr. No. | Title |
|---------|---|
| 1 | Designing Low NO _x Pulverized Coal Fired Burner |
| 2 | Upgradation of Chamalang Coal by Froth Flotation using Kerosene Oil |
| 3 | Cleaning of Dukki Mines Coal by Agglomeration with n-Heptane |
| 4 | Cleaning of Dukki Mines Coal by Agglomeration with n-Heptane |
| 5 | Effect of Corn Cob Blending with Mianwali Coal on Flue Gas Emissions |
| 6 | Treatment of Waste Water from a Paper Mill by Coal Ash. |
| 7 | Study of Compressive Strength and Thermal Conductivity of Cement-Fly Ash Blended Mortars" |
| 8 | Synergetic Effect of Anionic and Non-Ionic Collectors on floatability of Makerwal Coal |
| 9 | The Effects of Particle Size and Heating Rate on Combustion Behaviour of Dukki Coal Sample by using TGA: A Kinetic Study |
| 10 | Cleaning of Duki Coal by Agglomeration Process Using n-Hexane |
| 11 | Froth Flotation of Ghari-Habib-Ullah (Balakot, NWFP) Coal by using Olive Oil as Collector |
| 12 | Effect of Sodium Silicate as Depressant for Mineral Matter in Flotation of Makerwal Coal |
| 13 | Agglomeration of Makarwal Coal by Soybean Oil, Effect of Residence time, Stirring Speed and Collector Concentration. |
| 14 | Desulfurization of Dukki Coal using Ferric Sulfate Solution by Meyers Process |
| 15 | Froth Flotation of Chamalang Coal by Kerosene oil, Effect of pulp density, impeller speed and collector concentration. |
| 16 | Upgradation of Dukki Coal by Agglomeration with Xylene |
| 17 | Upgradation of Dukki Coal by Agglomeration with Xylene |
| 18 | Treatment of Waste Water from a Paper Mill by Coal Ash. |
| 19 | Recovery of Unburnt Carbon Present in Bottom Ashes of Gasification Plant At Shafi Chemicals PVT Limited by Forth Floatation |
| 20 | Recovery of Unburnt Carbon Present in Bottom Ash of Gasification Plant At Mughal Steel Mill by Forth Floatation |

ii) Newly Launched:**New Research Projects**

The following projects with one year duration will be sponsored by Centre for Coal Technology

| Sr. No. | Title |
|---------|--|
| 1 | Effect of Addition of Rice Husk on NO _x /SO _x Reduction during Co-Combustion of Lakhra Coal in Entrained Flow Combustor |
| 2 | Investigating Biodesulphurization as a Compliment Strategy to Physical Cleaning of Coal and Determining the Influence of Desulphurization on Organic Matter Alteration of Coal |
| 3 | Estimation of Grindability by Sink Float Test Data of Dukki and Sharigh Coal Samples |
| 4 | Combine Technology to Clean Coal through Heavy Media Separation and Flotation |

**Publications:**

- Abida, F., Moinuddin, G., Mujtaba Hussain, J., & **Shahzad, K.** (2014). Effects of Catalysts (Mg and Fe) on Kinetics of Biomass Gasification using CO₂ as Gasifying Agent. *Journal of Basic and Applied Scientific Research*, 4(3), 31-41.
- Ali, N., Saleem, M., Chughtai, A., & **Shahzad, K.** (2014). Fast Pyrolysis Of Pakistani Cotton Stalks In Fluidized Bed Reactor: Design And Preliminary Results. *Life Science Journal*, 11(7).
- Amin, N. A. S., **Akhtar, J.**, & Karagoz, S. (2014). Hydrothermal Liquefaction of Biomass. In L. Wang (Ed.), *Sustainable Bioenergy Production*. USA: CRC Press.
- Butt, A. I., Shaams, S. B., Ghauri, M., **Shahzad, K.**, & Jaffery, M. H. (2014). Study of Physical, Chemical and Ergonomic Occupational Hazards Faced by Photocopy Machine Operators. *Life Science Journal*, 11(8).
- Gao, X., **Rahim, M. U.**, Chen, X., & Wu, H. (2014). Significant contribution of organically-bound Mg, Ca, and Fe to inorganic PM10 emission during the combustion of pulverized Victorian brown coal. *Fuel*, 117, Part A(0), 825-832.
- Haider, R.**, Ghauri, M. A., Jones, E. J., & SanFilipo, J. R. (2014). Methane generation potential of Thar lignite samples. *Fuel Processing Technology*, 126, 309-314.
- Hussain, S., Saleem, K., **Shahzad, K.**, Akhtar, N. A., & Chughtai, A. (2014). Physical Parameters affecting Thermal Conversion of Low-Grade Coal and Biomass for Gasification. *Journal of Pakistan Institute of Chemical Engineers*, 42(2), 59-68.
- Hussain, S., **Shahzad, K.**, Akhtar, K. S., Akhtar, N. A., & Chughtai, A. (2014). Investigations of Thermal Conversion and Kinetics of Low-Grade Coal and Baggasse using Thermogravimetric Technique. *Journal of Faculty of Engineering & Technology*, 21(2), 105-117.
- Khan, W. A., Shahzad, K., **Akhtar, J.**, Ghauri, M., Alid, N., & Akhtare, N. A. (2013). A Model of Heat Transfer in a Circulating Fluidized Bed Combustor. *Science International*, 25(4).
- Rahim, M. U.**, Gao, X., & Wu, H. (2013). A Method for the Quantification of Chlorine in Low-Rank Solid Fuels. *Energy & Fuels*, 27(11), 6992-6999.
- Rahim, M. U.**, Gao, X., & Wu, H. (2014). Determination of chlorine in solid fuels using an improved Eschka method. *Fuel*, 129, 314-317.
- Shahzad, K.**, **Akhtar, J.**, Feroze, N., Ghauri, M., & Khurram, S. (2014). Effect of Hydroxyl Ions on Recycling of Hexavalent Chromium From Chromium Hydroxide Sludge. *Science International*, 26(2).
- Shahzad, K.**, Kanwal, S., Nawaz, S., Sheikh, N. U., & **Munir, S.** (2014). Effects of Moisture and Coal Blending on the Hardgrove Grindability Index of Pakistani Coals. *International Journal of Coal Preparation and Utilization*, 34(1), 1-9.

Conferences:

- **Prof. Dr. Shahid Munir**, Participation in Conference and Study Tour regarding “Waste to Energy” organized by International Solid Waste Association (ISWA) from June 22 to June 27, 2014 in Vienna - Austria



- **Prof. Dr. Shahid Munir**, Participation in Panel Discussions in 10th International Conference for Oil, Gas & Energy Industry organized by POGEE, Expo Centre, Lahore on 29-05-2014
- **Prof. Dr. Shahid Munir, Dr. Khurram Shahzad, Dr. Javaid Akhtar** 1st International Young Engineers Convention (FIYEC-IYEC-2014) organized by the Pakistan Engineering Council at University of Engineering & Technology (UET) held on April 18, 2014
- **Prof. Dr. Shahid Munir**, Participation in International Conference on “Renewable Energy Technologies in Pakistan” organized by the Faculty of Agriculture and Technology, University of Agriculture, Faisalabad and University of Kassel, Germany on October, 2013
- **Dr. Rizwan Haider**, Participation in 1st National Student Conference on Biological Sciences, organized by National Institute for Biotechnology & Genetic Engineering (NIBGE), Faisalabad on March 27-28, 2014

Research Collaboration

Funding Grants for R&D:

- A PC-I, amounting Rs. 180 million (approximately), has been approved by HEC/CDWP/Planning Commission for the expansion project of the Centre for Coal Technology.
- University of Punjab, Lahore
- Earning From Departmental Coal Testing Facility

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

**for example: Authors name, Article name, Journal with date,
duration, sponsoring agency, funding**

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

- Workshop conducted on “Importance of Global Textile Standards & Compliance Requirements” on 5th April, 2012 in collaboration with Ministry of Textile Industry Government of Pakistan, Textile Testing International (TTI) and University of Management & Technology (UMT), Lahore.
- The Department of Textile Engineering & Technology conducted 2-day workshop on “Boiler Operation and Performance Enhancement” on 2-3 April, 2013.

Foreign Linkages

A 2-member delegate of Japan International Cooperation Agency (JICA) visited Department of Textile Engineering & Technology, its laboratory, library and under - construction building on 18.02.2013. The Department of Textile Engineering & Technology prepared a proposal for technical and financial assistance.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

R&D – An Overview

The institute is engaged in R & D for development of new materials and new processes that are essential for industrial advancement. Strategic areas of focus are (i) energy and sustainability; (ii) Gas



Cleaning and Filtration; (iii) Fisher Tropsch Synthesis; (iv) Polymer sciences; and (v) water and waste water treatment.

Projects:

Completed

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

| Project Title | Funded by | Approved Amount |
|--|------------------------------------|------------------|
| Conversion of Agricultural Residues into Fuel Oil Using Fast Pyrolysis Technology | Higher Education Commission | Rs. 2466360/- |
| Comparative Study of Combustion of Various Solid Waste in Combination With Coal in a CFBC | Higher Education Commission | Rs. 5.63 million |
| Seal Grant for Research of Ionic Liquid | University of the Punjab | Rs. 0.99 million |
| Development of new Laboratory of Thermodynamics | University of the Punjab | Rs. 2.6 million |
| Energy efficiency in a small and medium Industry through improvement in designing of industrial gas burner | Sui Northern Gas Pipelines Limited | Through Chair |
| Estimation Modelling for calculations of volumetric impact of above ground leakages at CMS of distribution | Sui Northern Gas Pipelines Limited | Through Chair |
| Reduction of noise level and protective measures of line pipe fitting against freezing at downstream of regulator's at SMS's | Sui Northern Gas Pipelines Limited | Through Chair |

Newly Launched

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

| Project Title | Funded by | Approved Amount | Approved Date |
|---------------------------------|-----------------------------|------------------|---------------------------|
| Hydrocracking of Waste Plastics | Higher Education Commission | Rs. 11,266,090/- | 2012 to date (in process) |

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:

| Sr. No. | Name of Faculty Member | Title of Research Paper | Name of Publishing Journal |
|---------|---|--|-----------------------------|
| 1. | Aamir Ijaz, Rafi Ullah Khan, Kanwar Saleem Akhtar, Sadiq Hussain, | Thermochemical Studies and Fluidized Bed Combustion of Low Grade Pakistani Coal Blends | <i>Life Science Journal</i> |



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|-----|--|---|---|
| 2. | M Saleem , N Ali, M e Kamil, K Shahzad, A Chughtai | Thermo Gravimetric Study of Pakistani Cotton & Maize Stalk using Iso-Conversional Technique | Life Science Journal 11 (8) |
| 3. | Rafi Ullah Khan , MST Hafiz Muhammad Aamir, Rana Mujahid | Removal of Anionic Dyes By Modified Cationic Starch | Journal of the Pakistan Institute of Chemical Engineers |
| 4. | M Saleem , N Ali, K Shahzad, A Chughtai, WA Khan | Fast Pyrolysis Of Pakistani Cotton Stalks In Fluidized Bed Reactor: Design And Preliminary Results | Life Science Journal |
| 5. | Awwad, Nadeen; Liu, Xiangyang; W Afzal , Prausnitz; John M. | Viscosities and densities of phosphonium-based ionic liquids mixed with dodecane | <i>Zeitschrift für Physikalische Chemie</i> |
| 6. | Liu, Xiangyang; W Afzal , He, Maogang; Prausnitz, John M. | Solubilities of small hydrocarbons, viscosities of diluted tetraalkylphosphonium bis(2,4,4-trimethylpentyl) phosphinates | <i>AIChE Journal</i> |
| 7. | Liu, Zhongguo; Padmanabhan, Sasisanker; Cheng, Kun; Xie, Hongxue; Gokhale, Amit A; W Afzal , Na, Hui; Pauly, Markus; Bell, Alex T; Prausnitz, John M. | Two-step delignification of miscanthus to enhance enzymatic hydrolysis: aqueous ammonia followed by sodium hydroxide and oxidants | <i>Energy & Fuels</i> |
| 8. | Liu, X., Ruiz, E., W Afzal , Ferro, V. R; Palomar, José; Prausnitz, John M. | High solubilities for methane, ethane, ethylene, and propane in trimethyloctylphosphonium bis(2,4,4-trimethylpentyl) phosphinate [P8111][TMPP], | <i>Industrial & Engineering Chemistry Research</i> |
| 9. | Liu, Xiangyang; W Afzal , Prausnitz, John M. | Unusual trend of viscosities and densities for four ionic liquids containing a tetraalkyl phosphonium cation and the anion bis (2, 4, 4-trimethylpentyl) phosphinate, | <i>Journal of Chemical Thermodynamics</i> |
| 10. | W Afzal , Liu, Xiangyang; Prausnitz, John M. | High solubilities of carbon dioxide in tetraalkyl phosphonium-based ionic liquids and the effect of diluents on viscosity and solubility | <i>Journal of Chemical and Engineering Data</i> |
| 11. | H. Sattar , G.E. Andrews, H.N. Phylaktou, B.M. Gibbs | Turbulent Flames Speeds and Laminar Burning Velocities of Dusts using the ISO 1 m ³ Dust Explosion Method | Chemical Engineering Transactions |
| 12. | S. N. Hussain, H. Sattar, H.M.A. Asghar , N.W. Brown & E.P.L. Roberts | Electrochemical regeneration of various graphitic adsorbents in an air agitated sequential batch reactor | Chemical Engineering & Science |
| 13. | S. N. Hussain, H.M.A. Asghar, H. Sattar , N.W. Brown & E.P.L. Roberts | Removal of tartrazine from water by adsorption with electrochemical regeneration | Chemical Engineering Communications |



| | | | |
|-----|--|--|---|
| 14. | H.M.A. Asghar, S. N. Hussain, H. Sattar , N.W. Brown & E.P.L. Roberts | Mercaptans removal from aqueous solution using modified graphite based adsorbent through batch wise adsorption regeneration | Chemical Engineering Communications |
| 15. | H.M.A. Asghar, S. N. Hussain, H. Sattar , N.W. Brown & E.P.L. Roberts | Improved phenol adsorption from aqueous solution using electrically conducting adsorbents | Korean Journal of Chemical Engineering |
| 16. | H.M.A. Asghar, S. N. Hussain, H. Sattar , N.W. Brown & E.P.L. Roberts | Potential graphite materials for the synthesis of GICs | Chemical Engineering Communications |
| 17. | H.M.A. Asghar, S. N. Hussain, H. Sattar , N.W. Brown & E.P.L. Roberts | Electrochemically synthesized GIC-based adsorbents for water treatment using adsorption and electrochemical regeneration | Journal of Industrial & Engineering Chemistry |
| 18. | H.M.A. Asghar, S. N. Hussain, H. Sattar , N.W. Brown & E.P.L. Roberts | Environmentally friendly preparation of exfoliated graphite | Journal of Industrial & Engineering Chemistry |
| 19. | S. N. Hussain , N. D. Heras, H.M.A. Asghar , N.W. Brown & E.P.L. Roberts | Disinfection of water by adsorption combined with electrochemical treatment | Water Research |
| 20. | M.M. Taib, M.M. Akbar , T. Murugesan | Physical and excess properties of ternary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate+monoethanolamine+water at temperature from (303.15 to 353.15) K | Journal of Molecular Liquids |
| 21. | M.M. Akbar , T. Murugesan | Densities, Refractive Indices and Excess Properties for the binary mixtures of 2-Hydroxyethanaminium Formate [HEF] with Monoethanolamine (MEA) at T = 293.15 to 313.15 K | Journal of the Pakistan Institute of Chemical Engineers |
| 22. | M.M. Akbar , T. Murugesan | CO ₂ solubility in the aqueous 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([emim][Tf2N]) and monoethanolamine (MEA) solutions | Journal of the Pakistan Institute of Chemical Engineers |
| 23. | M.M. Akbar , T. Murugesan | Densities, Refractive indices and excess molar volumes for the binary mixtures of 1-propyronitrile-3-hexylimidazolium bromide [C ₂ CN Him Br] with Monoethanolamine (MEA) at T = 293.15 to 313.15 K | Journal of the Pakistan Institute of Chemical Engineers |
| 24. | M.M. Akbar , T. Murugesan | Carbon Dioxide absorption in aqueous diethanolamine (DEA) with 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([emim][Tf2N]) mixtures at pressures from 100 to 1600 kPa | Journal of the Pakistan Institute of Chemical Engineers |

2.4 Conferences, Seminars and Workshops etc.

| Sr. No. | Name of Faculty Member | Title of Conference Paper | Name of Conference |
|---------|---|--|--|
| 1. | Aamir Ijaz , R. K. Malik, R. N. Lodhi, U. Habiba, S. Irfan | A Qualitative Study of the Critical Success Factors of ERP System: A Case Study Approach | Fourth International Conference on Industrial Engineering and Operations Management, Bali, |



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|----|--|--|--|
| | | | Indonesia 2014 |
| 2. | M Saleem K Shahzad, M Ghauri, WA Khan, NA Akhtar | Modeling and Analysis of SO ₂ Emissions under Fast Fluidized Bed Conditions Using One Dimensional Model | Advances in Chemical Engineering and Science 2014 |
| 3. | M Saleem, MS Tahir, K Shahzad | Enhanced Combustion of Rice Husk for Pollution Abatement and Regional Potential of Silica from Rice Husk Ash (RHA) | AIChE 2014 |
| 4. | M Saleem, K Shahzad, N Ali, A Chughtai | Effect of Operating Parameters on the Fast Pyrolysis of Pakistani Maize Stalk in Bubbling Fluidized Bed Reactor | AIChE 2014 |
| 5. | M Saleem, MS Tahir, RU Khan, G Krammer | Experimental Simulation of Stable Vs Unstable Behavior of Bag Filter Under Three Common Regeneration Schemes | AIChE 2014 |
| 6. | C.H. Medina, Hamed Sattar, H.N. Phylaktou, Gordon E. Andrews & Bernard M. Gibbs | Explosion reactivity characterisation of pulverised torrefied spruce wood | 10 th International Symposium on Hazards, Prevention, and Mitigation of Industrial Explosions Bergen, Norway, 10-14 June 2014 |
| 7. | D. J.F. Slatter, Hamed Sattar, C.H. Medina, G. E. Andrews, H.N. Phylaktou & B.M. Gibbs | Biomass explosion analysis; accounting for the residue | 10 th International Symposium on Hazards, Prevention, and Mitigation of Industrial Explosions Bergen, Norway, 10-14 June 2014 |

Research Journals

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

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

RESEARCH COLLABORATION

Indigenous

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

Foreign Linkages

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

Funding grants for R&D

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

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

R&D-An Overview

Two students PhD synopsis have been approved by Advanced Studies and Research Board of the University. All MSc QPM, MS TQM and MS IEM thesis supervised in this Institute are checked by Turnitin software before submission.

**Projects**

Completed: Ms. Sana Hassan and Mr. M. Mohsin Rashid have successfully completed research projects funded by University of the Punjab.

Newly Launched: Four Lecturers of the Institute have been awarded research grants by the University of the Punjab for the year 2013-14.

Publications

- Awan, M. U., Asif, M., & Ganotakis, P. (2013). Quality Initiatives: Developed Vs. Developing Countries. *Pakistan Business Review*, 404.
- Awan, M.U. TQM-Customer Satisfaction Relationship in Pharmaceutical Distribution Centers. *Journal of Quality & Technology Management*. Vol. 9, Issue 2. Page 171-192.
- M. Shafiq, K. Abid, F. Jalil, (2014), Perception of Managers about the Relationship of ISO 9000 Certification with Business Results, *Journal of Quality and Technology Management*, Volume X, Issue I, Page 93 – 104.

Conferences, Seminars and Workshops, etc.

First National Symposium on Industrial Engineering on 26th May, 2014 organized by this Institute.

Research Journals

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

Faculty of Islamic Studies**DEPARTMENT OF ISLAMIC STUDIES**

| | |
|-----------------------------------|---|
| Dr. Tahira Basharat | شریعتِ محمدی ﷺ کی صفتِ تیسیر اور مشکلاتِ بائبل: تحقیقی جائزہ |
| // | |
| Dr. Muhammad Saad Siddiqui | Tafsir in the Age of Sahabah- Methodologies and Salient Features |
| // | Tafsir in the Age of Ta'abeen- Methodologies and Salient Features |
| Dr. Ghulam Ali Khan | Functional Prerequisites in Islamic and Western Sociological Perspectives (A Comparative Study) |
| // | سامی مذاہب میں رفاہ عامہ کی تعلیمات |
| | A Social Custom “Vani”: Introduction and Critical Analysis |
| Dr. Ihsan ur Rehman Ghauri | God Blesses Sarah, Hagar, and Their Descendants |
| // | Hajerah A.S: A Slave Girl or a Princess |
| // | The Shrines for Non Muslims in an Islamic State- An Islamic |



| | |
|---------------------|--|
| | Perspective |
| // | محمد بن عمر الواقدي کی شخصیت۔ جرح و تعدیل کے تناظر میں |
| Dr. Shahida Parveen | معاشرتی اختلافات کا سدباب اور اسلامی تعلیمات |
| // | پاکستان میں مطالعہ قرآن کی صورت حال |
| Mr. Asim Naeem | فقہی اختلاف کی حقیقت |
| Mr. Usman Ahmad | Difference between Isharah al-Nass and Metaphorical meanings (Majaz) of the Qur'an |
| | واقعات سیرت میں اہل کفر سے روایت کی شرعی حیثیت |

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

- **International Seerat Conference 2013.**
- **5th Annayl workshop: Saudi Arab main Muqem Pakistani Talba kay liyay Workshop**
- **Seminar on "قوانین پاکستان کی اسلامی تشکیل میں اسلامی نظریاتی کونسل کا کردار" January 2014**
- **Seminar on "امریکہ میں فروغ اسلام کی عصری صورت حال" February 2014.**
- **Seminar on "اسلام میں عورت کا مقام و مرتبہ" 8 March 2014.**
- **Seminar on "بر عظیم میں سیرت نگاری" March 2014**
- **Seminar on "بھارتی مسلمانوں کی دعوتی و علمی کاوشیں" March 2014**
- **Seminar on "مطالعہ سیرت کے مناجح" March 2014.**
- **Seminar on "علامہ اقبال کا خطبہ الہ آباد" March 2014.**
- **Seminar on "مطالعہ استشرق کے مناجح" June 2014**
- **Seminar on "سیکولرزم اور فلاحی ریاست" June 2014.**

- Research Journals

Two issues of "Al-Qalam" were published during the period in question.

Innovational Commercialization [Related to ORIC]

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

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

Projects:

Second Edition of the Urdu Encyclopaedia of Islam

Publications:



Dr. Muhammad Arshad (Chief Editor/Professor):

- ۱- ”ڈاکٹر محمد اقبال بہ نام سید ہاشمی فرید آبادی“، فکر و نظر (ادارہ تحقیقات اسلامی، اسلام آباد کا تحقیقی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۵۱، شمارہ ۳ (جنوری تا مارچ ۲۰۱۳ء)، ص ۱۲۷-۱۳۱۔
- ۲- ”پروفیسر سید نواب علی رضوی: احوال و آثار“، الایام (مجلس برائے تحقیق اسلامی تاریخ و ثقافت کراچی کا ششماہی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۵، شمارہ ۱ (جنوری-جون ۲۰۱۳ء)، ص ۱۱-۲۔
- ۳- ”اسلام کا دستوری قانون اور سیاسی نظام: بر عظیم پاکستان و ہند کے فتاویٰ کا تجزیاتی مطالعہ“، الأضواء (شیخ زاہد اسلامک سنٹر، لاہور کا تحقیقی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۲۸، شمارہ ۳۰ (صفر/مظفر ۱۳۳۵ھ/ دسمبر ۲۰۱۳ء)، ص ۲۲۱-۲۳۶۔
- ۴- ”بر عظیم پاک و ہند میں مستند انگریزی ترجمہ قرآن کی تحریک: مولانا اشرف علی تھانوی اور ان کے مسترشین کی مساعی کا جائزہ“ بازیافت (شعبہ اردو پنجاب یونیورسٹی کا تحقیقی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، شمارہ ۲۳ (جولائی- دسمبر ۲۰۱۳ء)، ص ۹-۳۰۔
- ۵- ”التوحید کے اجتماعی و سیاسی مضمرات: اسماعیل راجی الفاروقی کے نظریہ امت و خلافت کا تجزیاتی مطالعہ“، جہانت الاسلام (کلیہ علوم اسلامیہ پنجاب یونیورسٹی کا تحقیقی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۱، شمارہ ۱ (جولائی- دسمبر ۲۰۱۳ء)، ص ۱۷۳-۱۹۳۔
- ۶- ”شاہ عبدالعزیز محدث دہلوی کا فتویٰ دار الحرب: تعبیرات کا تنقیدی جائزہ“، التفسیر (مجلس تفسیر، کراچی کا تحقیقی مجلہ، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۷، شمارہ مسلسل ۲۲ (جولائی- دسمبر ۲۰۱۳ء)، ص ۵۰-۸۶۔
- ۷- ”جامعہ طیبہ اسلامیہ کا نظام تعلیم: علامہ موسیٰ جار اللہ کے افکار کا جائزہ“، اورینٹل کالج میگزین (لاہور)، جلد ۸۸، شمارہ ۴ (اکتوبر تا دسمبر ۲۰۱۳ء)، ص ۸۳-۱۰۶۔
- ۸- ”جدوجہد آزادی اور فتاویٰ: انیسویں صدی کے فتاویٰ کا تجزیاتی مطالعہ“، فکر و نظر (اسلام آباد)، جلد ۵۰، شمارہ ۴، (اپریل- ستمبر ۲۰۱۳ء)، ص ۵۵-۱۰۸۔
- ۹- ”بر عظیم پاکستان و ہند میں انگریزی ترجمہ قرآن کی تحریک: شبلی، جمعیت العلماء ہند اور پکتھال کی مساعی کا جائزہ“، اورینٹل کالج میگزین (لاہور، ہائر ایجوکیشن کمیشن کمیشن کا منظور شدہ)، جلد ۸۸، شمارہ ۲ (اپریل- جون ۲۰۱۳ء)، ص ۳۵-۷۶۔

DR. ZAHIRA NISAR (Senior Editor cum Assistant Professor)

- ”Lala-e-Sehrai: aik hama jehat adeeb” in *Yaad Nāma Lala-e-Sehrai*, (ed.) by Prof. Dr. Rafie ūd-din Hashimi, Lahore: Darul Nawadir, 2013, pp. 331-335.
- ”Asāleeb-e-Nasr”, in collaboration with Dr. Aurangzeb, in *Tarikh-e-Adbiāt-e-Musalmanan-e-Pakistan-o-Hind*, Vol.6, Aug 2014, Lahore: Deptt of Tarikh-e-Adbiat-e- Musalmanan-e- Pakistan-o-Hind, Punjab University, Chap 4, Part (3) pp. 280-322.

CONFERENCES, SEMINARS AND WORKSHOPS

Dr. Muhammad Arshad (Chief Editor/Professor)

- Three-days Training Workshop on ”Technical Report Writing”, 16-18 September 2014, Pakistan Academy for Rural Development, Peshawar.
- Two-days National Conference on ”Rights of Mustafa (PBUH) and its Implications”, 7-8 April, 2014, organized by Da’wah Academy, International Islamic University, Islamabad; paper presented ”The Role of the Seerat Movement in the Propagation of the Teachings of the Prophet Muhammad (PBUH)”.



- Two-days National Conference on “Religious Education in Pakistan”, March 10-11, 2014, organized by Faculty of Islamic Studies, International Islamic University, Islamabad; Paper presented on “A Reformed Curriculum for the Modern National Islamic University: Views of Musa Jarullah”.
- Two-days International Conference on “Seerah and the Modern Age”, 12-13 February, 2014, organized by Seerah Chair, University of Karachi; Paper presented “Modern Trends in Sirah-Writing in Indo-Pakistan Subcontinent: A Critical Analysis of Sayyid Nawab Ali’s *Seerat Rasul Allah*”.

Three-days International Conference on “The Role of Moderation in the Stability of Society”, 21-23 January, 2014, organized by Shari’ah Academy, International Islamic University, Islamabad; paper presented “The Status and Rights of the non-Muslims in Islamic State: Views of Isma’il Raji al-Faruqi, Fazlur Rahman and Yahya Nu’mani”.

SHEIKH ZAYED ISLAMIC CENTRE

Publications

| Name of Author | Title of Paper/Article |
|--|--|
| Dr. Muhammad Ijaz Director / Associate Professor | Progression of Madarabah Rules in the Formative Period of Sunni's Leadership |
| | "معالم السنن میں امام خطابی کا منہج و اسلوب" |
| | "شراکت و مضاربت اور جدیدی معاشی مسائل" |
| | "فقہی اختلاف-امام شعرائی اور شاہ ولی اللہ کے نظریات کا تقابلی مطالعہ" |
| | فائل کی بنیاد پر زمین کی مروجہ تجارت کی شرعی حیثیت |
| فقہ اسلامی میں تطبیق اور اس کی فکری بنیادیں | |

| | |
|---|---|
| Dr. Muhammad Abdullah Associate Professor | "مقاصد شریعت کے تناظر میں چند اہم سماجی مسائل" |
| | "اسوۃ رسول اکرم ﷺ (تبصرہ کتاب)" |
| | "کتب سابقہ سے استدلال، تفسیر تدر قرآن کا منہج" |
| | "ہندومت پر البیرونی کی تحقیقات و تنقیدات" |
| | "تفسیر حقانی المعروف بہ فتح المنان میں کلامی مباحث" |
| | "تفسیر قرآن میں کتب سابقہ سے اخذ و استفادہ کے اسالیب" |
| | دہشت گردی اور اس کا انسداد (اسلامی تعلیمات کی روشنی میں) |
| | ذرائع ابلاغ کا کردار اور ذمہ داریاں (تعلیمات نبوی کی روشنی میں) |
| | ذرائع ابلاغ کا کردار اور ذمہ داریاں (تعلیمات نبوی کی روشنی میں) |



| | |
|--------------------|------------------------------|
| Dr. Hafiz Abdullah | "تعبارة النص اور تفسیر قرآن" |
| | "دلایہ النص اور تفسیر قرآن" |
| | اقضاء النص اور تفسیر قرآن |
| | الصبر سلاح الدعاء |

| Name of Author | Title of Paper/Article |
|-----------------------|------------------------|
| Dr. Abul Wafa Mahmood | صنح المبالغة |
| | الصبر سلاح الدعاء |

| | |
|--------------------------|--|
| Dr. Ishtiaq Ahmad Gondal | Conflict Between Islam and West and Role of Media |
| | مولانا مناظر احسن گیلانی اور علم التعليم کی تشکیل جدید |

| | |
|---------------------------------|---|
| Dr. Hafiz Muhammad Abdul Qayyum | "تدوین قرآن بعهد صدیقی کے منہج کا تحقیقی جائزہ-2" |
| | "جمع وتدوین اور مسلم محققین کے مشکلات" |
| | جمع قرآن بعهد عثمانی - تحقیقی جائزہ |

| | |
|----------------------------|---|
| Dr. Hafiz Abdul Basit Khan | "نحوارتباط حقوق الانسان برمقاصد الشريعة (دراسه تحقیقیه)" |
| | "اءمہ حنفیہ کے باقی اختلافات کا بنیادی تحقیقی جائزہ" |
| | DNA سے اثبات نسب کی شرعی حیثیت |
| | الهدایہ (مرغینانی) کے قواعد فقہیہ اور عصری مسائل پر ان کا اطلاق |
| | حالت امن کے قواعد کلیہ |
| | ڈی این اے ٹیسٹ سے ثبوت نسب کی شرعی حیثیت |

| | |
|-------------------|--|
| Dr. Samina Saadia | "المواهب اللدنیہ کی ضعیف، موضوع اور اسرائیلی روایات کا تنقیدی جائزہ-2" |
| | المدخل الفقہی العام (شیخ مصطفیٰ احمد الزرقا) |

Conferences, Seminars and Workshops, etc.

Sheikh Zayed Islamic Centre organized different Seminars / Workshops / Lectures during 2013 and 2014 according to the following detail:

- o Date: 16-01-2014



- Speaker: Dr. Khurseed ul Hassan Rizvi
- Topic: "سيرة النبي صلى الله عليه وسلم"
- Date: 2nd Thursday of every month
- Speaker: Mr. Ahmad Javaid
- Topic: "عربي ادب قبل از اسلام"

Research Journals

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

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

R & D – An Overview

Research courses are taught at both undergraduate and graduate level. Individual research projects are essential requirement for students of master's and doctorate level and undergraduate students. Research supervisors are assigned to every student undergoing their research project at master's and doctorate level. 23 research theses are completed and added to library during this year by the MS students and 27 by BS (4 Years) students.

Projects:

Completed

| Sr. No. | Project Name | Name of Faculty | Duration | Sponsoring Agency | Funding | Present Status |
|---------|---|------------------|----------|-------------------|---------|----------------|
| 1 | Translation of the Humanitarian Emergency Setting Perceived Need Scale (HESPER) | Dr. Nashi Khan | One Year | Punjab University | 700000 | Completed |
| 2 | The Effect of Emotional intelligence, age, academic performance, work experience and conflict management | Dr. Saima Dawood | One Year | Punjab University | 150000 | Completed |
| 3 | Cognitive distortions, pain-related fear, hypervigilance and psychological distress in patients with chronic pain | Aasma Yousaf | One Year | Punjab University | 150000 | Completed |
| 4 | Intrusiveness, appraisal and thought control strategies in patients with obsessive compulsive disorder. | Tehreem Arshad | One Year | Punjab University | 150000 | Completed |

Newly launched



| Sr. No. | Project Name | Name of Faculty | Duration | Sponsoring Agency | Funding | Present Status |
|---------|--|------------------|----------|-------------------|---------|----------------|
| 1 | “Translation & Adaptation of “ STIGMA OF SUICIDE SCALE” | Dr. Nashi Khan | One Year | Punjab University | 150000 | In Progress |
| 2 | Printing of Manual: Scale for Emotional Intelligence (SEI) | Dr. Saima Dawood | One Year | Punjab University | 150000 | In Progress |
| 3 | Abuse and Neglect Questionnaire: Revision and Standardization | Aasma Yousaf | One Year | Punjab University | 150000 | In Progress |
| 4 | Stress Reactivity, Rumination and Emotion Regulation in Patients with Depression and Anxiety | Tehreem Arshad | One Year | Punjab University | 150000 | In Progress |
| 5 | Family Functioning, Personality Traits, Wellbeing and Spillover in Married Working Women | Ms. Faiza Safdar | One Year | Punjab University | 150000 | In Progress |
| 6 | Sensation Seeking, Driving Anger and Driving Attitudes in Young Adults | Ms. Hidna Iqbal | One Year | Punjab University | 125000 | In Progress |
| 7 | Self-Efficacy and Psychological Wellbeing in Adolescents | Ms Rabia Dasti | One Year | Punjab University | 125000 | In Progress |

Conferences, Seminars and Workshops Conducted:

| Name | Sponsors | Presentation Oral / Poster | Topic | Date |
|--|----------|----------------------------|---|--|
| Prof. Dr. Kanwal Amin & Dr. Shafiq Ur Rehman | ACP | Oral | Workshop on “Qualitative Data Analysis through NVIVO” | 6 th June, 2014 |
| Dr. Jamil A. Malik | ACP | Oral | Workshop on “Structural Equation with AMOS” | 11-13 th June, 2014 |
| Centre for Clinical Psychology(CCP), in Collaboration with Pakistan Association of Clinical Psychologists (PACP) | CCP | Oral | International Conference of Clinical Psychology Theme: “Clinical Psychology Outside the Clinic” | 2 nd -3 rd April, 2014 |
| Dr. Akhtar Ali | CCP | Oral | Workshop on “Eidectic | 20 th – 28 th |



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|----------------------|-----|------|--|--|
| | | | Therapy Certification Workshop” | March, 2014 |
| Dr. Oskaan Mehmedagi | CCP | Oral | Workshop on “NLP & Hypnotherapy Training Workshop” | 31 st March,2014 -1 st April,2014 |

List of the Papers published by the Faculty Members October, 2013- September, 2014

| Sr. No. | Papers Published | Name of Author |
|---------|---|---------------------------|
| 1. | Naz, F & Kausar, R. (2013). Parental Rejection, Personality Maladjustment and Depressive Symptoms in Female Adolescents in Pakistan. <i>IOSR Journal of Humanities and Social Sciences (IOSR-JHSS)</i> . e-ISSN. 2279-0837, ISSN 2279-0845. Vol. 14, 56-65. www.iosrjournals.Org . | Prof. Dr. Rukhsana Kausar |
| 2. | Kausar R., Awan B. & Khan N. (2013) Differences in Risk Perception and Emotional Distress in Patients with Type 2 Diabetes. <i>Journal of the Indian Academy of Applied Psychology (JIAAP)</i> . Y Category, ISSN: 0019-4247. Vol. 39, No.2, 222-227. | Prof. Dr. Rukhsana Kausar |
| 3. | Najam, N., Kanwal, R. H., Malik, F., Kausar, R. & Fatima, H. (2014). Focus Group Discussions: Exploration of Psychological and Neurological Functioning of Elderly in Gilgit& Lahore, Pakistan. <i>European Scientific Journal (special edition)</i> Vol.2, 331-350, ISSN:1857 7881 (Print) e-ISSN 1857 7431. | Prof. Dr. Rukhsana Kausar |
| 4. | ZafarN.,& Kausar R. (2014). Social and Emotional Problems in Divorced and Married Women. <i>FWU Journal of Social Sciences</i> , Vol. 8 (1), 31-35. | Prof. Dr. Rukhsana Kausar |
| 5. | Malik, F., Butt, M., Kausar, R., Najam, N., & Rasool, F. (2014). Parental Acceptance and Power/Prestige as Predictors of Psychological Adjustment among Pakistani Adolescents. <i>Journal of Cross-Cultural Research (Impact Factor), Special Issue – Parental Power and Prestige Moderate the Effect of Perceived Acceptance on offspring’s Psychological Adjustment</i> , Vol.48, No.3 (online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676). | Prof. Dr. Rukhsana Kausar |
| 6. | Najam, N., Hussain, S., Kanwal, R. H., Malik, F & Kausar, R. (2014) Parental Acceptance-Rejection and Power-Prestige as Predictors of Psychological Adjustment in Pakistani Adolescents. <i>Journal of Cross-Cultural Research</i> , Vol.48, No.3. (online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676). | Prof. Dr. Rukhsana Kausar |
| 7. | Naz, F & Kausar, R. (2014). Parental Rejection, Personality Maladjustment and Anxiety Symptoms in Adolescents with Somatoform Disorders. <i>Journal of Indian Academy of Applied Psychology (JIAAP)</i> , Y Category, ISSN: 0019-424724 (1), 145-164. | Prof. Dr. Rukhsana Kausar |

Research Articles / Papers presented in National / International Conference / Seminar

| Name of Author | Title of Paper | Conference / Seminar |
|--------------------|--|---|
| Dr. Nashi Khan | Selfharm Among Women Prisoners of Pakistan | Juornal of Indian Academy of Applied Psychology |
| Dr. Aisha Sitwat + | Workplace Spirituality, Self | Pakistan Journal of |



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|--|--|---|
| Ms. Samina Awan | esteem and Psychological Wellbeing among Mental Health Professionals. | Psychological Research |
| Saira Noreen and Dr. Saima Dawood | Personality Correlates of Runaway Women and Their Vulnerability Towards Depression | Pakistan Journal of Psychology |
| Nszish Habib, Dr. Saima Dawood, David Kingdon and Farooq Naeem | Preliminary Evaluation of Culturally Adapted CBT for Psychosis (CA-CBTp) | British Association for Behavioural and Cognitive Psychotherapy, UK |
| Fouzia Gull and Dr. Saima Dawood | Religiosity and Subjective Well-Being amongst Institutionalized Elderly in Pakistan | Health Promotion Perspectives |
| Saima Dawood & Shafaq Saeed | Tolerance towards Frustration, Anxiety and Depression in Physically Disabled Individuals Affecting their Self Esteem | Pakistan Journal of Social and Clinical Psychology |
| Hira Fatima | Focus Group Discussions: Exploration of Psychological and Neurological Functioning Of Elderly in Gilgit & Lahore, Pakistan | European Scientific Journal June 2014 /SPECIAL/ edition vol.2 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431 |

Research Journals

Pakistan Journal of Professional Psychology: Research & Practice 3rd Issue is in process.

Foreign Linkages

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

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY**Research & Development - An Overview**

Centre of Excellence in Molecular Biology continues its aim of advance teaching and research in the field of molecular biology as in previous years. It has provided a platform to the scholars and scientists to work in an innovative environment. This state of the art molecular biology research facility has greatly contributed in the development, improvement and identification of new methods for disease diagnosis and drug development. Different research groups like stem cells, plant genomics, plant biotechnology, hereditary diseases, applied and functional genomics, biopharmaceuticals, forensic science, molecular virology and bioinformatics groups are working in an integrated manner. The excellent teaching and research environment in the Centre attract the scientists and researchers from national and international organizations to work and exchange knowledge for the betterment of humanity.

PROJECTS**Completed**

1. Development of Transgenic Cotton with Multiple Genes Resistant to Cotton Leaf Curl Virus



2. Therapeutic Potential of CD-59 Protein Induction in Keratinocytes Genome Modifier Chemical Cocktail and its Role in Skin Tissue Regeneration in Mammals
3. Development of SSR Markers for use in Molecular Breeding for Cotton Leaf Curl Burewala Virus (clclubv) Resistance
4. Optimization and Validation of 10 Mitochondrial DNA SNP's for Pakistani Population Using Snap Shot Kit

Newly Launched

| Sr. # | Name of the Projects | Sponsoring Agency | Funding Million / Rs. |
|-------|--|-------------------|-----------------------|
| 1. | Identification and transcriptome profiling of novel microRNAs in hepatitis C virus induced liver diseases by next generation sequencing (NGS) of small RNA cDNA libraries. | HEC | 3.37 |
| 2. | To investigate the genetic basis of Retinitis pigmentosa in Pakistan | HEC | 6.522 |
| 3. | Identification and Characterization of genes Responsible for hearing Impairment in Pakistani population | HEC | 8.405 |
| 4. | Molecular characterization of Hearing Impairment/Intellectual Disability research in Pakistani population | HEC/IPFP | 0.5 |
| 5. | Novel approach to generate wide spectrum resistance to all cotton Begomoviruses infecting cotton and other cultivated crops | PARB | 1.142 |
| 6. | Homozygosity mapping to investigate genetic basis of X-linked intellectual disability (XLID) in Punjab | HEC | 0.5 |

PUBLICATIONS:**July-2013 To December-2013****NATIONAL**

| Sr.# | Publications | Impact Factor |
|------|--|---------------|
| 1. | Azam S, Samiullah TR, Yasmeen A, Din S, Iqbal A, Rao AQ, Nasir IA, Rashid B, Shahid AA, Ahmad M, Husnain T. (2013). Dissemination of Bt cotton in cotton growing belt of Pakistan. <i>Advancements in Life Sciences</i> . 1(1): 24-31. | NA |

INTERNATIONAL:

| Sr.# | Publications | Impact Factor |
|------|---|---------------|
| 1. | <u>Wajid N, Mehmood A, Bhatti FU, Khan SN, Riazuddin S.</u> (2013). Lovastatin protects chondrocytes derived from Wharton's jelly of human cord against hydrogen-peroxide-induced in vitro Injury. <i>Cell Tissue Research</i> . 351(3): 433-443. | 3.333 |
| 2. | Iqbal Z, Shahzad M, Vissers LE LM, Scherpenzeel MV, Gilissen C, Razzaq A, Zahoor | 4.225 |



| | | |
|--|---|--|
| | MY, Khan SN, Kleefstra T, Veltman JA, AP deBrouwer APM, Lefeber DJ, Bokhoven HV, Riazuddin S. (2013). A compound heterozygous mutation in DPAGT1 results in a congenital disorder of glycosylation with a relatively mild phenotype. <i>Eur J Hum Genet.</i> (2013) 21(8):844-9 | |
|--|---|--|

INTERNATIONAL:

| Sr.# | Publications | Impact Factor |
|------|--|---------------|
| 3. | Kiani S, Muhammad BB, Shehzad K, Jamal A, Shahid MN, Shahid AA, Husnain T. (2013). Chloroplast – targeted expression of recombinant crystal- protein gene in cotton: An unconventional combat with resistant pests. <i>Journal of Biotechnology</i> 166:88-96. | 2.884 |
| 4. | Dahab AA, Saeed M, Mohammed BB, Ashraf MA, Puspito AN, Bajwa KS, Shahid AA, Husnain T. (2013). Genetic diversity assessment of cotton (<i>Gossypium hirsutum</i> L.) genotypes from Pakistan using simple sequence repeat markers. <i>Australian Journal of Crop Science.</i> (7)2: 261-267. | 1.630 |
| 5. | Khan GA, Bakhsh A, Ghzanfar M, Riazuddin S, Husnain T. (2013). Development of transgenic cotton lines harboring a pesticidal gene (cry1Ab). <i>J. Food Agric.</i> 25(6): 434-442. | NA |
| 6. | Kabir F, Naz S, Riazuddin SA, Naeem MA, Khan SN, Husnain T, Akram J, Sieving PA, Hejtmancik JF, Riazuddin S (2013). Novel mutations in RPE65 identified in consanguineous Pakistani families with retinal dystrophy. <i>Mol Vis.</i> 19:1554-64. | 2.245 |
| 7. | Sadiq HM, Jahangir GZ, Nasir A, Iqtidar M and Iqbal M (2013). Isolation and Characterization of Phosphate-Solubilizing Bacteria from Rhizosphere Soil. <i>Biotechnology & Biotechnological Equipment.</i> 27(6): 4248-4255. | 0.379 |
| 8. | Mohamed BB, Sarwar MB, Rashid B, Dahab AA, Jamal A, Shahid MN, Aftab B, Hassan S, Husnain T. (2013). Physiological and biochemical responses of Roselle (<i>Hibiscus sabdariffa</i> -L.) to NaCl stress. <i>Agrochimica, LVII</i> (3): 250-266. | 0.314 |
| 9. | Nasir GA, Mohsin S, Khan M, Shams S, Ali G, Khan SN, Riazuddin S. (2013). Mesenchymal stem cells and Interleukin-6 attenuate liver fibrosis in mice. <i>Journal of Translational Medicine.</i> 11:78. | 3.99 |
| 10. | Kabir F, Naz S, Amer SR, Naeem MA, Khan SN, Husnain T, Akram J, Sieving PA, Hejtmancik JF, Riazuddin S. (2013). Novel Mutations in RPE65 Identified in Consanguineous Pakistani Families with Retinal Dystrophies. <i>Mol. Vis.</i> 19:1554-1564. | 2.245 |
| 11. | Fatima Z, Afzal S, Idrees M, Rafique S, Akram M, Khubaib B, Saleem S, Amin J, Shahid M. (2013). Change in demographic pattern of dengue virus infection: evidence from 2011 dengue outbreak in Punjab, Pakistan. 2013; Sep <i>Public Health</i> , 127(9): 875-877. | 1.350 |
| 12. | Iqbal Z, Vandeweyer G, van der Voet M, Waryah AM, Zahoor MY, Besseling JA, Roca LT, Vulto-van Silfhout AT, Nijhof B, Kramer JM, Van der Aa N, Ansar M, Peeters H, Helmsmoortel C, Gilissen C, Vissers LE, Veltman JA, de Brouwer AP, Frank Kooy R, Riazuddin S, Schenck A, van Bokhoven H and Rooms L. (2013). Homozygous and heterozygous disruptions of ANK3: at the crossroads of neurodevelopmental and psychiatric disorders. <i>Hum Mol Genet.</i> 22(10):1960-70. | 6.677 |

PUBLICATIONS

January 2014 To June 2014

NATIONAL



| Sr.# | Publications | Impact Factor |
|------|--|---------------|
| 1. | Ishfaq M, Mahmood N, Nasir IA and Saleem M. (2014) Molecular and Biochemical Screening of Local <i>Aspergillus niger</i> Strains Efficient in Catalase and Laccase Enzyme Production. IJAB. 16(1): 177-182. | 0.9 |
| 2. | Rehman SU, Atif A, Mirza, Masood K, Rashid B and Husnain T. (2014) Microarray gene expression MIAME-PLANT supportive tab delimited data format: MAGE-TAB-PLANT. The Journal of Animal & Plant Sciences, 24(1):179-189. | 0.549 |
| 3. | Jahangir GZ, Nasir IA, Hossain MB, Rahman Z, Ahmad N and Khan MA. (2014) Disease free and rapid mass production of sugarcane cultivars. Advancements in Life Sciences. 1 (3): 171-180. | NA |
| 4. | Ali MA, Rehman I, Iqbal A, Din S, Rao AQ, Latif A, Samiullah TR, Azam S, Husnain T. (2014). Nanotechnology, a new frontier in Agriculture. Adv. life Sci., 1(3):129-138. | NA |
| 5. | Sarwar MB, Batool F, Rashid B, Aftab B, Hassan S and Husnain T. (2014) Integration and expression of heat shock protein gene in segregating population of transgenic cotton for drought tolerance. Pakistan Journal of Agricultural Sciences 51(4), 935-941. | 1.054 |

INTERNATIONAL

| Sr.# | Publications | Impact Factor |
|------|--|---------------|
| 1. | Ahmad MA, Khan F, Ahmad N, Khan MI, Zafar AU, and Husnain T. (2014) Expression line approach to recombinant human epidermal growth factor into yeast, <i>Pichia pastoris</i> from Huh-7 cell line. Molecular Biology Reports. 1-7. | 1.958 |
| 2. | Khan MA, Hassan N, Ahmad N, Khan MI, Zafar AU, Khan F, and Husnain T. (2014) Studies to analyse the relationship between IFN α 2b gene dosage and its expression, using a <i>Pichia pastoris</i> -based expression system. Yeast. 31 (1): 13-28. | 1.955 |
| 3. | Li D, Jin C, Jiao X, Li L, Bushra T, Naeem MA, Butt NH, Husnain T, Sieving PA, Riazuddin S, Riazuddin SA and Hejtmancik JF. (2014). AIPL1 implicated in the pathogenesis of two cases of autosomal recessive retinal degeneration. Mol Vis. 6; 20:1-14. | 2.245 |
| 4. | Rehman AU, Santos-Cortez RL, Morell RJ, Drummond MC, Ito T, Lee K, Khan AA, Basra MA, Wasif N, Ayub M, Ali RA, Raza S, Nickerson DA, Shendure J, Bamshad M, Riazuddin S, Billington N, Khan SN, Friedman PL, Griffith AJ, Ahmad, W, Riazuddin S, Leal SM and Friedman TB. (2014) Mutations in TBC1D24, a Gene Associated With Epilepsy, Also Cause Nonsyndromic Deafness DFNB86. American Journal of Human Genetics. 94(1):144-52. | 10.987 |
| 5. | Aftab B, Shahid MN, Riaz S, Jamal A, Mohamed BB, Zahur M, Aftab M, Rashid B and Husnain T. (2014). Identification and expression profiling of CLCuV-responsive transcripts in upland cotton (<i>Gossypium hirsutum</i> L.). Turk J Biol. 38: 226-237. | 1.216 |
| 6. | Ashraf MA, Shahid AA, Rao AQ, Shahzad KB and Husnain T (2014). Functional Characterization of a Bidirectional Plant Promoter from Cotton Leaf Curl Burewala Virus Using an Agrobacterium-Mediated Transient Assay. Viruses 6, 223-242. | 3.279 |
| 7. | Nasir IA, Tabassum B, Qamar Z, Javed MA, Tariq M, Farooq AM, Butt SJ, Rao AQ, Husnain T (2014) Herbicide-tolerant sugarcane (<i>Saccharum officinarum</i> L.) plants: An unconventional way of weed removal. Turkish Journal of Biology 1.04 | 1.216 |
| 8. | Mahmood R; Naseer M; Shahid AA, Usmani A and Ali A. (2014). Screening of indigenous weed extracts against <i>Fusarium solani</i> with an emphasis to soil fertility- | 0.435 |



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| | related microbial activities. Journal of Food, Agriculture & Environment. 12 (2): 958 - 962. | |
| 9. | Zara MS, Shahid AA, Shahzada MS, Shin KJ, Leeb HY, Israr CM and Husnain T. (2014). Comparative study of STR loci for typing old skeletal remains with modified protocols of AmpFISTR Identifiler and AmpFISTR MiniFiler STR Kits. Australian Journal of Forensic Sciences, 1-24. | 0.528 |
| 10. | Husnain T, Shahid AA, Haq MI, Ali A, Muhammed U, Anam U. (2014). Efficacy of Entomopathogenic Fungi as Biological Control agent against insect pests of <i>Gossypium hirsutum</i> . Journal of Natural Sciences Research, 4(5): 68-73 | 5.58 |
| 11. | Maranhao B, Biswas P, Duncan JL, Branham KE, Silva GA, Naeem MA, Khan SN, Riazuddin S, Hejtmancik JF, Heckenlively JR, Riazuddin SA, Lee PL and Ayyagari R. (2014) ExomeSuite: Whole exome sequence variant filtering tool for rapid identification of putative disease causing SNVs/indels. Genomics. 103(2-3):169-76. | 2.793 |
| 12. | Hassan S, Sarwar MB, Sadique S, Rashid B, Aftab B, Mohammed BB, Husnain T. (2014) Growth, physiological and molecular responses of cotton (<i>Gossypium arboreum</i> L.) under NaCl stress. A J Plant Sci 5(5):605-614 | 1.53 |
| 13. | Afzal S, Idrees M and Hussain M. (2014) De Novo modeling of Envelope 2 protein of HCV isolated from Pakistani patient and epitopes prediction for vaccine development. Journal of Translational Medicine. 12:115.. | 3.46 |
| 14. | Ali M, Rehman IU and Idrees M. (2014) Emergence of genetically variant Hepatitis C virus population in response to increased antiviral drug pressure, Pakistan. Virus Genes, 48(3): 543-549. | 1.77 |
| 15. | Rafique S, Ali A, Iqbal M, Sabri S and Idrees M. (2014) Studies on the role of NS3 and NS5A non-structural genes of HCV 3a local isolates in apoptosis International J Infectious Diseases. 25: 38-44. | 2.357 |
| 16. | Rafique S, Idrees M, Ali A and Iqbal M. (2014) Rafique S, Idrees M, Ali A and Iqbal M. Generation and using of HCV infectious pseudo typed particles for studying the role of CD81 & SRB1 receptors in HCV infection. Molecular Biology Reports. 41(6): 3813-3819 | 2.51 |
| 17. | Rafique S, Idrees M, Ali A and Iqbal M. (2014) Studies on the role of neutralizing antibodies against envelope genes in resolving HCV pseudo-particles infectivity. Molecular Biology Reports. 41(6): 3945-3950. | 2.51 |
| 18. | Waqar M, Khan AU, Rehman HU, Idrees M, Wasim M, Ali A, Niaz Z, Ismail Z, Rehman MU and Tariq M. (2014) Determination of Hepatitis C Virus Genotypes Circulating in Different Districts of Punjab Pakistan. European J Gastroenterology & Hepatology. 26(1): 59-64., | 1.757 |
| 19. | Butt FA, Amin I, Idrees M and Iqbal M. (2014) Hepatitis delta virus genotype-1 alone cocirculates with hepatitis B virus genotypes A and D in Pakistan. European J Gastroenterology & Hepatology. 26(3): 319-324. | 1.757 |
| 20. | Ali L, Idrees M, Ali M, Hussain A, Rehman IU, Ali A, Iqbal AS and Kamel ES. (2014) Inhibitory effect of kaolin minerals compound against hepatitis C virus in Huh-7 cell lines. BMC Research Notes. 7: 247. | NA |
| 21. | Rehman HU, Wasim M, Waqar M, Khan AU, Idrees M, Ismail Z, Ali A, Faisal, Khan J, Javed U, Saleem M, Ahmad A, Ullah R and Ullah A. (2014) Seroprevalence of HBV infection and viral loads in outpatients attending a district hospital located in Mardan, Pakistan. International Journal of Biosciences. 4(5): 28-34. | 0.076 |
| 22. | Perveen R, Rahman Z, Shahzad MS, Israr M, Shafique M, Shan MA, and Husnain T. | 3.202 |



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| | (2014) Y-STR haplotype diversity in Punjabi population of Pakistan. Forensic Science International: Genetics, 9, 20-21. | |
| 23. | Daud S, Shahzad S, Shafique M, Bhinder MA, Niaz M, Naeem A, and Husnain T. (2014) Optimization and Validation of PCR protocol for three Hypervariable Regions (HVI, HVII and HVIII) in Human Mitochondrial DNA. Advancements in Life Sciences, 1(3), 165-170. | NA |

BOOKS

| Authors Name | Title of Book | Year | Vol. Page # |
|---|---|------|--|
| Bushra Rashid, Tayyab Husnain, Sheikh Riazuddin | Emerging Technologies and Management of Crop Stress Tolerance./Genomic Approaches and Abiotic Stress Tolerance in Plants. Vol1, P. Ahmad (Ed): pp1-26. Elsevier, ISBN: 978-0-12-800876-8 DOI: http://dx.doi.org/10.1016/B978-0-12-800876-8.00001-1 | 2014 | Elsevier |
| Habib-ur-Rahman, Abdul Qayyum Rao, Tayyab Husnain | Transformation of RNAi Constructs in different cotton varieties | 2014 | LAP Lambert Academic Publish GmbH & Co. KG |
| Kamran Shehzad Bajwa, Ahmad Ali Shahid and Tayyab Husnain | Genetical Impact of Fiber Expansin Genes in Cotton | 2014 | Scholar Press, ISBN-13: 978-3-639-70566-9, ISBN-10: 3639705661, EAN: 9783639705669, Germany |

CONFERENCES, SEMINARS AND WORKSHOPS ETC.

- Husnain, T., Rashid, B., Maqbool, A., Zahur, M., Shahid M.N. and Aftab, B. Gene mining from diploid *Gossypium arboreum* and their characterization. Presented at International Conference on “Stress biology & biotechnology: Challenges & management” organized by and held at Punjab university institute of agricultural sciences (IAGS) May, 23-25, 2014.
- Idrees M, Tayyab GN, Raza SM, Nasir B, Amin I, Shahid M, “A Newly Developed Dengue-IgA Rapid Test Shows Higher Level of Sensitivity for Early Detection of Dengue Infection” The 37th annual conference of the Pakistan Association of Pathologists/2nd Joint Conference of the Societies of Pathology is being held in Lahore from the 20th to the 22nd of December 2013.
- Nawaz R, Idrees M, “Toxicological analysis and anti-viral effect of different natural compounds in different cell-lines against HCV” In: 11th Biennial Conference Molecular Biosciences Challenges and Opportunities November 25–28, 2013. University of the Punjab Lahore-Pakistan.
- Sabr S, Idrees M, “Studies on the role of NS3 and NS5A non-structural genes of HCV genotype 3a local Isolates in Apoptosis” In: 11th Biennial Conference Molecular Biosciences Challenges and Opportunities November 25–28, 2013. University of the Punjab Lahore-Pakistan. (Poster presentation).
- Rafique S, Idrees M, “Study of antigenic site in serine proteases gene of HCV 3a Genotype” In:



11th Biennial Conference Molecular Biosciences Challenges and Opportunities November 25–28, 2013. University of the Punjab Lahore-Pakistan (Poster presentation).

- Ali A, Idrees M, “Prokaryotic Expression and Molecular Characterization of HCV-3a structural Antigenic Recombinant proteins” In: 11th Biennial Conference Molecular Biosciences Challenges and Opportunities November 25–28, 2013. University of the Punjab Lahore-Pakistan.

Centre organized the following Conferences / Seminary and Refreshers Courses at its Premises during 2013-2014.

- International training workshop on “Microarray for Gene Expression” from April, 22-25, 2014.
- Training Workshop on “the development & testing of transgenics for cotton curl leave virus (CLCuV) disease resistance” from March 18-19, 2014.
- Entrepreneurship in Pakistan on 29-11-2013
- Organized a seminar on “Thalassemia and its prevention” November 20, 2013
- 2nd NAYS Emerging Ideas Conference (NAYS-EIC) on 25-04-2013
- Seminar on “DNA Day” on 25-02-2013
- Lecture on "Communication Skills" on 22-02-2013.

RESEARCH JOURNALS

Advancements in Life Sciences (ISSN 2310-5380) started from 25th November, 2013.

RESEARCH COLLABORATION

Indigenous

Student Exchange and Research Projects.

- Bahaudin Zakria University Multan,
- CCRI Multan,
- University of Veterinary and Animals Sciences Lahore
- Abdul Wali Khan University Mardan.
- Layton Rahmatulla Benevolent Trust (LRBT) Hospital, Mayo Hospital, Allama Iqbal Medical College (AIMC)/ Jinnah Hospital, Avicenna Medical College/Hospital, Lahore
- Working in Collaborative projects with NIBGE and IAGS transforming Virus resistant constructs against CLCuV in cotton and sharing outcomes

Foreign Linkages:

- Wilmer Eye Institute, Johns Hopkins University, Maryland, USA.
- National Institute of Health, Rockville, USA
- Department of Human Genetics, Radboud University Nijmegen Medical, Netherland
- Agricultural Research Service, USDA, Baltimore USA
- Korean Bioinformatics Center
- South Korea; Personal Genomics Institute,



- Korea and Genome Research Foundation, Korea

Funding Grants for R&D:

| Sr.# | Project | Sponsoring Agency | Funding Million Rs. |
|------|---|-------------------|----------------------|
| 1. | A Molecular Approach to Prevent Hereditary Blindness in Pakistan. | HEC (PAK-USA) | 6.688 78,232 US\$ |
| 2. | The Development of Oligonucleotide Microarray and its use in the analysis of abiotic Stress | HEC | 6.445 |
| 3. | Cellular Characterization of Cotton Universal Stress Protein USP Genes and Their Role in Drought Stress | HEC | 4.696 |
| 4. | Transformation of Bt cotton with Transgenic Factor Gene of <i>Gossypium arboreum</i> to enhance drought Tolerance | HEC | 2.776 |
| 5. | Transformation of Gene Constructs and genetically engineered germplasm resource/commercial genotypes resistant to develop cotton leaf curl disease and /or its insect vector. | ICARDA | 4.396 |
| 6. | Genetic Improvement of Cotton for Herbicide and bollworms Tolerance | HEC | 2.77 |
| 7. | Development and commercialization of indigenous Bt and herbicide tolerant Maize hybrids | PARB | 22.829 |
| 8. | Genetic improvement of sugar cane for herbicide and Borer resistance | PARB | 22.148 |
| 9. | Development and commercialization of cotton leaf curl virus/tolerant indigenous transgenic Bt and glyphosate resistant cotton hybrids | PARB | 35.776 |

DEPARTMENT OF BOTANY**Research and Development**

Research courses are taught at both undergraduate and graduate level. Individual research projects are essential requirement for students at Master, MS, and M.Phil and Doctorate level. Research supervisors are assigned to every student undergoing their research project. 27 Research Theses were completed and added to library during this year by the M.Sc, MS, and M.Phil students.

Projects:

Completed (duration, sponsoring agency, funding)

| Sr. No. | Principal investigator | Title of the Project | Duration | Amount in Rs. | Sponsored by |
|---------|---------------------------|---|----------|---------------|--------------------------|
| 1. | Prof. Dr. Muhammad Saleem | Molecular characterization of <i>Sordaria fimicola</i> | 2013-14 | 2,50,000/- | University of the Punjab |
| 2. | Prof. Dr. Faheem Aftab | Effect of different cytokinins on <i>in vitro</i> seed germination and morphogenesis of teak (<i>Tectona grandis</i> L.) | 2013-14 | 2,50,000/- | University of the Punjab |
| 3. | Dr. Abdul Nasir Khalid | Additions to the Mushroom flora of Miandum (Swat) Pakistan. | 2013-14 | 2,50,000/- | University of the Punjab |



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| 4. | Dr. Humera Afrasiab | Microtuberization of potato (<i>Solanum tuberosum</i> L.) variety Lady Rossetta. | 2013-14 | 1,50,000/- | University of the Punjab |
| 5. | Dr. Farkhanda Jabeen | Isolation and characterization of Chlorfenapyr degrading bacteria from agricultural soil samples. | 2013-14 | 1,50,000/- | University of the Punjab |
| 6. | Dr. Farhat Rass Masood | Vegetation and Climate during the deposition of Patala formation, western range, Pakistan, based on palynological analysis. | 2013-14 | 1,50,000/- | University of the Punjab |
| 7. | Dr. Ambreen Ahmad | Screening of heavy metal resistant-bacteria from contaminated sites and evaluation of their bioremediation potential. | 2013-14 | 1,50,000/- | University of the Punjab |
| 8. | Dr. Asma Zulfiqar | Differential protein expression for <i>Brassica juncea</i> varieties differing in heavy metal tolerance. | 2013-14 | 1,50,000/- | University of the Punjab |
| 9. | Dr. Abdul Rehman Khan Niazi | Further additions to the fungal flora of the Man-made forest of Changa Manga, Punjab, Pakistan. | 2013-14 | 1,50,000/- | University of the Punjab |

Newly launched

| Sr. No. | Researchers | Title | Financial Support (Rs.) | Duration | Sponsoring Agency |
|---------|---------------------------|---|-------------------------|------------|--------------------------|
| 1. | Prof. Dr. Muhammad Saleem | Study of 28S rRNA gene in <i>Sordaria Fimicola</i> | 2014-15 | 2,50,000/- | University of the Punjab |
| 2. | Prof. Dr. Faheem Aftab | Determination of fixed oil contents from <i>in Vitro</i> callus cultures of Jojoboa (<i>Simmondsia chinensis</i> L.) | 2014-15 | 2,50,000/- | University of the Punjab |
| 3. | Dr. Abdul Nasir Khalid | Some Lepiotaceous fungi from Galyat and Hazara, KPK Pakistan | 2014-15 | 2,50,000/- | University of the Punjab |
| 4. | Dr. Humera Afrasiab | Micropropagation of hybrid papaya (<i>Carica papaya</i> L) | 2014-15 | 1,50,000/- | University of the Punjab |
| 5. | Dr. Farkhanda Jabeen | Genetic studies for the determination of pesticides biodegradation gene in our indigenous bacterial strains. | 2014-15 | 1,50,000/- | University of the Punjab |



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|-----|-----------------------------|--|---------|------------|--------------------------|
| 6. | Dr. Asad Shabbir | Predictive modeling for the potential future spread of the <i>Carmentha lthaca</i> : a Biological control agent for Parthenium weed in Pakistan. | 2014-15 | 1,50,000/- | University of the Punjab |
| 7. | Dr. Shakil Ahmad | Studies on the impact of Fluoride on morphophysiological traits, yield attribute and bioaccumulation in bean crop. | 2014-15 | 1,50,000/- | University of the Punjab |
| 8. | Dr. Farhat Rass Masood | Palynology of Permain <i>Coalm</i> Western Salt Range, Pakistan | 2014-15 | 1,50,000/- | University of the Punjab |
| 9. | Dr. Ambreen Ahmad | Characterization and genetic analysis of heavy metal-resistant bacterial isolates obtained from indigenous environment | 2014-15 | 1,50,000/- | University of the Punjab |
| 10. | Dr. Asma Zulfiqar | Protein expression profiling of plants in chromium using 2-D Gel electrophoresis. | 2014-15 | 1,50,000/- | University of the Punjab |
| 11. | Dr. Abdul Rehman Khan Niazi | Macro fungal diversity around Marala Ravi link Canal and adjoining areas of Daska, Silakot, Punjab, Pakistan. | 2014-15 | 1,50,000/- | University of the Punjab |

Publications: Books/ Edited

For example: Authors name, Article name, Journal with date, duration, sponsoring agency, funding

- **Saleem M.**, Iqbal Z., Shakoori F. R., Shakoori A.R. & Nasir-ud-Din, (2014). The 3D modelling and characterization of wild type and mutated *Plasmodium Falciparum* cytochrome b: A computational approach. ***Pakistan Journal of Zoology***, 46(3): 841-851 **IF: 0.3**
- **Saleem M.**, Mahmood N. & Nasir I.A. (2014). Molecular and biochemical screening of local *Aspergillus niger* strains efficient in catalase and laccase enzyme production. ***International Journal of Agriculture and Biology*** 16:177-182. **IF: 0.9**
- Ali, J., Chaudhry, N.Y & **Aftab, F.** (2014). *In vitro* development and improvement of chromium (VI)-affected adventitious roots of *Solanum tuberosum* L. with GA₃ and IAA application. ***Pakistan Journal of Botany***. 46(2): 687-692 **IF: 1.207**
- Sajid, Z. A and **Aftab, F.** (2014). Plant regeneration from *in vitro*-selected salt tolerant callus cultures of *Solanum tuberosum* L. ***Pakistan Journal of Botany***. 46(4): 1507-1514 **IF: 1.207**
- Razaq, A., **Khalid, A. N.** Niazi, A. R & Ilyas, S. (2014). *Russula foetenoides* sp. nov (Basidiomycota, Agaricales)—a new species from Pakistan. ***Sydowia.***, 66(2): 289-298.



- Razaq, A., Ilyas, S & **Khalid, A. N.** (2014). Taxonomic and phylogenetic affinities of *Hygrophorus chrysodon* from Western Himalayan forests. ***Austrian Journal of Mycology* (Österr. Z. Pilzk.)**, 23: 19-29.
- Sadiqullah, Ishaq, A., Fiaz, M., Afshan, N.S. & **Khalid, A.N.** (2014). A new report of *Uromyces ambiens* on box plant from Pakistan. ***Mycotaxon*** 129: 429–432.
- Fiaz, M., Jabeen, S., Imran, A., Ahmad, H. & **Khalid, A. N.** (2014). Extension of *Macrolepiota* distribution to the montane temperate forests of Pakistan. ***Mycotaxon***, 129 (1): 197–208.
- Saba, M. & **Khalid, A. N.** (2014). First report of *Callistosporium luteoolivaceum* from Western Himalaya, Pakistan. ***Mycotaxon***, 129 (1): 73–77.
- Saba, M. & **Khalid, A. N.** 2014. New reports of *Gymnopus* from Pakistan based on ITS sequences. ***Mycotaxon***, 129 (1): 63–72.
- Thongklang, N., Nawaz, R., **Khalid, A. N.**, Chen, J., Hyde, K. D., Zhao, R. L., Parra, L. A., Hanif, M., Moinard, M. & Callac, P. (2014). Morphological and molecular characterization of three *Agaricus* species from tropical Asia (Pakistan, Thailand) reveals a new group in section Xanthodermatei. doi:10.3852/14-076
- Jabeen, S., Sarwar, S., Niazi A. R. & **Khalid, A. N.** (2014). Checklist of ectomycorrhizae from Pakistan. ***Annals of Applied Bio-Sciences***.1:10-20.
- Afshan, N. S. & **Khalid, A. N.** (2014). New Records of *Phragmidium* species from Pakistan. ***Mycotaxon***, 128: 63-70.
- Sarwar, S. **Khalid, A. N.** & Niazi, A. R. (2014). *Tylophilus*: a new species and a new record from Pakistan. ***Mycotaxon***. 128: 1-10.
- Hanif, M., **Khalid, A. N.** & Exeter, R. L. (2014). *Clavariadelphus pakistanicus* sp. nov., a new club fungus (Basidiomycota: Gomphales) from Himalayan moist temperate forests of Pakistan. ***Canadian Journal of Botany***, 92:
- Yousaf, N., Fiaz, M. Ahmad, H & **Khalid, A. N.** (2014).. Gasteroid mycota of district Mansehra, Khyber Pakhtunkhwa, Pakistan. ***International Journal Agriculture and Biology*** 16: 571–577.
- Jabeen, S. & **Khalid, A.N.** (2014). Community structure of ectomycorrhizae associated with *Salix* spp. growing in two different climatic regions of Pakistan. ***International Journal Agriculture and Biology***. 16: 480–488.
- Haroon, F., Iqbal, Z., Pervaiz, K. & **Khalid, A. N.** (2014). Incidence of fungal infection in fresh water ornamental fish in Pakistan. ***International Journal Agriculture and Biology*** 16: 411–415.
- Sarwar, S. & **Khalid, A. N.** (2014). Diversity and phylogeny of *Suillus* (Suilaceae, Boletales, Basidiomycota) from coniferous forests of Pakistan. ***International Journal Agriculture and Biology*** 16: 489–497
- Sarwar, S. & **Khalid, A. N.** (2014). Additions to Boletes: *Boletus pakistanicus* sp. nov. from coniferous forests of Pakistan. ***International Journal Agriculture and Biology*** 16: 663–667.



- Razaq, A., Ilyas, S., & Khalid, A. N. (2014). Molecular Identification of *Coprinus comatus*: An edible mushroom (Basidiomycota, Agaricales) commonly found in Khanspur Forest, Himalayan Region of Pakistan. **Research Journal of Agricultural Sciences** 5(3): 390-394.
- Saba, M., Niazi, A. R. K. & Khalid, A. N. (2013). New records of Uredinales (Basidiomycota) from Azad Jammu and Kashmir and adjacent Northern Areas of Pakistan. **International Journal Agriculture and Biology** 15: 878–884.
- Ishaq, A., Afshan, N. S. & Khalid, A. N. (2013). New records of *Puccinia* on Poaceae from Khyber Pakhtunkhwa, Pakistan. **Mycotaxon**, 126: 177-182
- Razaq, A., Vellinga, E. C., Ilyas, S. & Khalid, A. N. (2013). *Lepiota brunneoincarnata* and *L. subincarnata*: distribution and phylogeny. **Mycotaxon**, 126: 133-141.
- Yousaf, N., A. N. Khalid & Niazi, A. R. (2013). Taxonomy of gasteroid fungi from some arid regions of Punjab, Pakistan. **Journal of Biodiversity and Environmental Sciences**. 3 (9): 253-263.
- Razaq, A., Ilyas, S. & Khalid, A. N. (2013). Molecular and phenotypic descriptions of *Cystodermella cinnabarina* from Western Himalaya (basidiomycetes, Agaricales): A New Genus for Pakistan. **Journal of Mycology**, (dx.doi.org/10.1155/2013/793124).
- Razaq, A., Ilyas, S. & Khalid, A. N. (2013). Molecular identification of *Marasmius oreades*-An edible mushroom from Pakistan based on ITS-rDNA sequence data. **Pakistan Journal of Agriculture Sciences**, 50(3): 415–419.
- Yousaf, N., Niazi, A. R. & Khalid, A. N. (2013). *Myriostoma coliforme*, first record of a rare and endangered gasteroid basidiomycetes from Pakistan. **International Journal of Microbiology and Mycology**, 1(2): 1–6.
- Zahra, S. B. & Khalid, A. N. (2013). Role of some micromycetes in biosorption of heavy metals in different polluted water samples. **Journal of Yeast and Fungal Research**, 4 (7): 84-91
- Sarwar, S., Jabeen, S. & Khalid, A. N. (2013). Additions to ectomycorrhizae associated with *Populus ciliata* Wall. ex. Royle from Pakistan. **Journal of Yeast and Fungal Research**, 4(3): 26-32.
- Ishaq, A., Afshan, N. S & Khalid, A. N. (2013). New reports of cyperaceous rust fungi from Pakistan. **Mycotaxon**, 125: 189–192
- Afshan, N. S. and Khalid, A. N. (2013). Check list of the rust fungi on Poaceae in Pakistan. **Mycotaxon**, 125:17
- Ilyas, S., Razaq, A. & Khalid, A. N. (2013). *Inocybe nitidiuscula* and its ectomycorrhizae with *Alnus nitida* from Galyat, Pakistan. **Mycotaxon**, 124: 247-254.
- Denchev, C. M., Fiaz, M., Denchiv, T. T. Khalid, A. N. & Ahmad, H. (2013). Additions to the smut fungi of Pakistan. 2. **Mycotaxon**, 123:255-260
- Saba, M. & Khalid, A. N. (2013). New rust species and hosts from Northern Areas of Pakistan. **Mycotaxon**, 123:147-155



- Fiaz, M., **Khalid, A. N.** & Ahmad, H. (2013). *Sporisorium linderi*, a new record for Asia. ***Mycotaxon***, 123:229-231
- Ilyas, S., Razaq, A. & **Khalid, A. N.** 2013. Molecular investigations to determine the ectomycorrhizal habit of *Lactarius sanguifluus* associated with coniferous and deciduous vegetation of Galyat (KPK), Pakistan. ***International Journal Agriculture and Biology*** 15: 857-863.
- Saba, M. & **Khalid, A.N.** (2013). Species diversity of genus *Puccinia* (Basidiomycota, Uredinales) parasitizing poaceous hosts in Pakistan. ***International Journal Agriculture and Biology*** 15: 580–584.
- Hanif, M. & **Khalid, A.N.** (2013). Intraspecific rDNA-ITS polymorphism within *Clavariadelphus subfastigiatus* (basidiomycota: gomphoid-phalloid clade) from Pakistan. ***International Journal Agriculture and Biology***, 15: 465–471.
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Conferences, Seminars and Workshops, etc. (sponsors, oral Presentation + Poster Presentation)

- **Prof. Dr. Muhammad Saleem** attended three-day International Conference on “Stress Biology & Biotechnology: Challenges & Management” organized by Punjab University Institute of Agricultural Sciences (IAGS) **May 24, 2014**.
- **Prof. Dr. Muhammad Saleem** attended three-day International Conference on Plant Sciences, Botany, GCU, Lahore. **September 22-24, 2014**.
- **Prof. Dr. Muhammad Saleem** attended 2nd International Conference on Biotechnology for Sustainable Development. Institute of Industrial Biotechnology GCU, Lahore **November 26-28, 2014**.
- **Dr. Abdul Nasir Khalid** attended 1st International Symposium on “The Himalays of Pakistan” held at Hazara University, Manseha (27-30 November 2014).
- **Dr. Abdul Nasir Khalid** attended International Conference of Plant Sciences held at Department of Botany, GC University, Lahore from 22-24 September, 2014.
- **Dr. Abdul Nasir Khalid** attended 4th International and 13th National conference of Botany (27-30 August 2014) held at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, and Khyber Pakhtunkhwa.
- **Dr. Abdul Nasir Khalid** participated in 3rd Invention to Innovation Summit 2014



- **Dr. Humera Afrasiab** attended one day Seminar on “World Forest Day” at Jallo Forest Park, Lahore. Organized by Punjab Forest Department on March 21, 2014
- **Dr. Humera Afrasiab** attended one day workshop on “Biosafety and Risk Assessment” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th April, 2014.
- **Dr. Humera Afrasiab** participated in the “1st International Seminar on Soil Health Reclamation Approaches” Organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore on June 11, 2014.
- **Dr. Asad Shabbir** attended 24th Asian Pacific Weed Science Society conference, 22-25 October 2013 Bandung, Indonesia.
- **Dr. Asad Shabbir** attended first international Conference on Invasive Alien Species Management (ICIASM) which is scheduled between 25-27 March, 2014 at Biodiversity Conservation Centre in Chitwan National Park, Nepal.
- **Dr. Asad Shabbir** attended 4th International Symposium on Weeds and Invasive Plants“ organized by EWRS Working Group on Invasive Plants and Anses. May 18th to 23th, 2014 Montpellier France
- **Dr. Asad Shabbir** attended 8th International Conference on Biological Invasions organized by NEOBIOTA and Çanakkale Onsekiz Mart University 03-08 November 2014
- **Dr. Asma Zulfiqar** represented by poster in International Conference on Application of Medicine and Agriculture in GC sustainability Lahore on 16-17 December 2014.
- **Dr. Asma Zulfiqar** attended two days curriculum based training workshop in Botany on April 21-22, 2014 at Higher Education Commission Regional Centre, Lahore.
- **Dr. Asma Zulfiqar** attended 1st International Seminar on Health Reclamation Approaches held on 11th June 2014 organized by College of Earth and Environmental Sciences (CEES) University of the Punjab, Lahore.
- **Dr. Asma Zulfiqar** attended one day Seminar and walk “World Forest Day” on March 21, 2014 at Jallo Forest Park, Lahore organized by Punjab Forest Department.
- **Dr. Asma Zulfiqar** attended Workshop “Biosafety and Risk Assessment” on 19th April, 2014 organized by Biosafety and Bio-resource Committee University of the Punjab, Lahore.

Research Collaboration

Indigenous

- **Prof. Dr. Muhammad Saleem** has research collaboration with Dr. Habib Ullah at LUMS and Dr. Shaukat at PCSIR, Lahore.
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Habib Ahmed (Hazara University, Mansehra)
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Muhammad Fiaz (Hazara University, Mansehra)



- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Zafar Iqbal (University of the Punjab, Lahore)
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Abdul Rehman Khan Niazi, University of the Punjab, Lahore
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Najamul Sehar Afshan, University of the Punjab, Lahore.
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Muhammad Hanif, Govt. College University, Lahore.
- **Dr. Abdul Nasir Khalid** has research collaboration with Dr. Samina Sarwar, Lahore College for Women University, Lahore.
- **Dr. A. R. Niazi** has research collaboration with Prof. Dr. Habib Ahmad, Hazara University, Mansehra, KPK. Pakistan.
- **Dr. A. R. Niazi** has research collaboration with Dr Shaukat Bhatti, University of Azad Jammu and Kashmir.
- **Dr. A. R. Niazi** has research collaboration with Prof. Dr. Shamshad, Institute of Chemistry, University of Punjab, Lahore.
- **Dr. A. R. Niazi** has research collaboration with Dr. Shakil Ahmad, Institute of Agriculture Sciences, University of the Punjab, Lahore.
- **Dr. A. R. Niazi** has research collaboration with Dr. Hanif Ahmad, Govt. College University, Lahore.
- **Dr. A. R. Niazi** has research collaboration with Dr. Samina, Lahore College for Women University, Lahore.

Foreign Linkages

- **Professor Dr. M. Saleem** is collaborating for research with Prof. Nevo and Dr. Bernard Lamb, Imperial College, UK.
- **Dr. A. N. Khalid** is collaborating for research with Dr. Reinhard Berndt (ETH, Switzerland)
- **Dr. A. N. Khalid** is collaborating for research with Dr. Cvetomir M. Denchev, Bulgaria
- **Dr. A. N. Khalid** is collaborating for research with Dr. Jacques Guinberteau, France
- **Dr. A. N. Khalid** is collaborating for research with Dr. Moreno, G. (Spain)
- **Dr. A. N. Khalid** is collaborating for research with Dr. Kreisel, H. (Germany)
- **Dr. A. N. Khalid** is collaborating for research with Dr. Bryn Masson Dentinger (Royal Botanical Garden, Kew, UK)
- **Dr. A. N. Khalid** is collaborating for research with Dr. Donald Fister (Havrad University, USA)
- **Dr. A. N. Khalid** is collaborating for research with Dr. Tom D. Bruns (University of California, USA)
- **Dr. A. R. Niazi** is collaborating for research with Dr. Rodham E Tulloss, New Jersey, USA.
- **Dr. A. R. Niazi** is collaborating for research with Prof. Dr. Zhu L. Yang, China.
- **Dr. A. R. Niazi** is collaborating for research with Dr. Alejandra Becerra, Argentina.



- Dr. A. R. Niazi is collaborating for research with Dr. Xavier Parlade, Spain.
- Dr. A. R. Niazi is collaborating for research with Dr. Slavomir Adamcik, Czech.

Funding grants for R&D (for the year 2013-14)

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

| Sr. No. | Name | Grant | Sponsoring Agency |
|----------------|-----------------------------|--------------|--------------------------|
| 1. | Prof. Dr. Muhammad Saleem | 2,50,000/- | University of the Punjab |
| 2. | Prof. Dr. Faheem Aftab | 2,50,000/- | University of the Punjab |
| 3. | Dr. Abdul Nasir Khalid | 2,50,000/- | University of the Punjab |
| 4. | Dr. Humera Afrasiab | 1,50,000/- | University of the Punjab |
| 5. | Dr. Farkhanda Jabeen | 1,50,000/- | University of the Punjab |
| 6. | Dr. Farhat Rass Masood | 1,50,000/- | University of the Punjab |
| 7. | Dr. Ambreen Ahmad | 1,50,000/- | University of the Punjab |
| 8. | Dr. Asma Zulfiqar | 1,50,000/- | University of the Punjab |
| 9. | Dr. Abdul Rehman Khan Niazi | 1,50,000/- | University of the Punjab |

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

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

R & D-An Overview

Established in 2002, in University of the Punjab, Department of Microbiology and Molecular Genetics, has emerged as one of the leading department in the university. The department has well equipped research labs and basic facility for Microbiology and Molecular Genetics related research. Currently there are 25 faculty members among them 20 are PhDs and are running their independent research groups. The main research areas are Human Genetics, Bacterial Biofilms, Environmental Microbiology, Metal Detoxification and Water Treatment, Agricultural Microbiology, Plant Microbial Interactions, Biofertilizers, Biopesticides, Microbial Ecology, Microbial Diversity, Bioplastics, Industrial Microbiology, Drugs Discovery, Immunology, Medical Microbiology, Cancer Metabolism/Therapy, and Bioinformatics. There are around 70 PhD students at the department, and annually about 40-50 research papers in impact factor internationally reputed journals are published.

Projects: (i) Completed

- Screening for the effect of ginger extracts on embryo development and angiogenesis in chicken eggs (2013- 2014). Punjab University. Of worth Rs 2,50,000, PI: Dr Anjum Nasim Sabri
- Enhancement of Polygalacturonase production by mutation in *Bacillus* Strains, (2012-2013). University of the Punjab, Lahore, of worth Rs. 200,000, PI: Dr. Zakia Latif.



- Isolation and characterization of arsenic-resistant bacteria and their role in bioremediation. Funded by the University of the Punjab, Lahore, 2013-2014, of worth Pak Rs. 0.2 million, PI: Dr Sikander Sultan.
- Organogenesis induction in rice callus using different phytohormones and cyanobacterial extract. 2011-12 Funded by University of the Punjab, Lahore, 2011-12, of worth Rs. 150,000, PI: Ms Tahira Malik.
- Detoxification of heavy metal contaminated water by *Lemna minor* (Duckweed) in association with bacteria (2013-14). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Muhammad Faisal.
- Biochemical characterization of bioplastic produced by *Pseudomonas* & *Enterobacter* using bagass, funded by University of the Punjab, Lahore, Pakistan of worth Rs. 150,000, PI: Dr. Nazia Jamil.
- Identification and validation of promising drug targets and anti-targets for cancer therapy within the Mevalonate pathway. of worth Rs. 150,000, Co-PI: Dr. Nazia Jamil
- Isolation and detection of *Escherichia coli* O157 from potable water system of Lahore, Pakistan, (2013-14), University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Basharat Ali.
- Auxin production and biofertilization potential of plant associated *Bacillus* spp. under different water regimes (2013-2016). Higher Education Commission of Pakistan, worth Rs. 36, 94, 260. (Year 1 Completed) Principal Investigator, Dr. Basharat Ali
- Preparative screening of *Streptomyces* sp. LSA-14 for antitumor compounds, (2013-2014), University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Imran Sajid.
- Screening for antitumor/anticancer compounds from indigenous actinomycetes (2013-2016) Higher Education Commission, of worth PKR 8.96 million (Year 1 completed) PI: Dr. Imran Sajid.
- Lipid Metabolism in the hematological cancer cells, (2013-2014), University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr.Nousheen Zehra Zaidi.
- Anticancer therapy: Targeting De Novo Lipid synthesis, (2013-15) Higher Education Commission, of worth PKR 11,004,666, (Year 1 completed) PI: Dr.Nousheen Zehra Zaidi.
- Bioremediation of hexavalent chromium by free and immobilized biomass of *Chlorella* and bacteria (2013-2014) of worth Rs. 150,000, PI: Dr. Rida Batool.
- The use of probiotic bacteria as a vaccine for NDV. Funding Agency: Directorate of Research & Development, University of the Punjab Lahore. Pakistan (2014), of worth PKR 1, 50,000 PI: Dr. Zaigham Abbass
- Cloning of NS1, generation of antibodies and the development of dengue diagnostic device. Funding Agency: Directorate of Research & Development, University of the Punjab Lahore. Pakistan (2013). Of worth PKR 5, 00,000 Rupees. PI: Dr. Zaigham Abbass



- Isolation and characterization of lytic bacteriophages against *Klebsiella pneumoniae* (2013-14). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Shafiq ur Rehman.
- Development of multiplex assay for the detection of genes encoding β -lactamases in Enterobacteriaceae (2013- 2014). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Saba Riaz.
- Mutational analysis of DNase I gene in SLE patients Enterobacteriaceae (2013- 2014). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nageen Hussain
- 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. 150,000, PI: Dr Saira Malik.
- Isolation, Characterization and Fatty Acids Production Potential of Indigenous Cyanobacterial Isolates (2012-13). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Mehboob Ahmed.
- Bioremediation of Arsenic Using Photosynthetic Bacteria (2012-13). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Dr.Yasir Rehman.
- Molecular and genetic characterization of obesity in families of Lahore (2013-2014). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Mrs Shabana.
- Study of common mutations in BRCA genes in Breast cancer patients from local population (2013- 2014). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Ms. Warda Fatima.
- Computer Lab Improvement Project (COLIP), MMG, (2012-13). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Muhammad Zeeshan Akbar.

Projects (ii) Newly launched

- Effect of ginger extract on motility and biofilm formation of bacteria isolated from dental plaques and dental unit water lines (2014-2015). Punjab University, Of worth Rs 2,50,000, PI. Dr Anjum Nasim Sabri.
- Phenotypic and molecular characterization of CTX-M encoding beta-lactamase from clinical *Enterobacteriaceae*. 2014. Startup Research Grant of worth Rs. 495,000. HEC. Co- PI: Dr Anjum Nasim Sabri.
- GC-MS analysis of antibacterial activity of *Nigella sativa* against different strains of *Salmonella* causing gastro-intestinal problems and determination of their genetic diversity by microsatellite fingerprinting. (2013-2014). University of the Punjab, Lahore, of worth Rs. 200,000, PI. Dr. Zakia Latif.
- Characterization of selenium-resistant bacteria and their use in bioremediation. Funded by the University of the Punjab, Lahore, 2013-2014, of worth Pak Rs. 0.2 million, PI: Dr Sikander Sultan.



- Organogenesis induction in rice callus using different phytohormones and cyanobacterial extract (2013-2014). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Ms Tahira Malik.
- Isolation and Characterization of selenium nano-particles from selenium resistant bacteria (2014-2015). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr Muhammad Faisal.
- Analysis of purified bioplastic from indigenous bacteria for in-vitro cell culturing, (2014-16) International Foundation for Science (IFS) Sweeden, of worth 10,000 USD, PI: Dr. Nazia Jamil.
- Isolation and characterization of keratinase producing bacteria from soil contaminated with poultry waste, (2014-2015) funded by University of the Punjab, Lahore, of worth Rs. 150,000, PI. Dr. Abdul Rehman.
- Evaluation of charcoal and water based formulations of *Bacillus* and *Escherichia coli* to enhance the growth and yield of *Triticum aestivum* L. (2014-15), University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Basharat Ali.
- Screening of endophytic actinomycetes from the members of Meliaceae family (Neem and Dharek) for antimicrobial activity and compounds against multidrug resistant (MDR) *Pseudomonas aeruginosa* strains, (2014-2015). University of the Punjab, Lahore, of worth Rs. 150,000, PI. Dr Imran Sajid.
- Effect of spices commonly used in Pakistani foods on enteric pathogens and probiotic bacteria. Funding Agency: Directorate of Research & Development, University of the Punjab Lahore. Pakistan (2014-15), of worth PKR 1, 50,000 PI: Dr. Zaigham Abbass.
- Isolation and characterization of lytic bacteriophages against *Staphylococcus aureus* (2014-2015). University of the Punjab, Lahore, of worth Rs. 150,000, PI. Dr Shafiq ur Rehman.
- Rice husk in combination of bacteria: As an effective biowaste ingredient for the removal of Cr (VI) (2014-15) of worth Rs. 150,000, PI: Dr. Rida Batool.
- Anticancer Therapy: Targeting *Mevalonate Pathway*, (2014-16) Pakistan Science Foundation Research Project, of Worth 18,00,000 PKR. PI: Dr.Nousheen Zehra Zaidi.
- Phenotypic and molecular characterization of *CTX-M* encoding beta-lactamase from clinical *enterobacteriaceae* (2014-2015). Higher Education Pakistan, of worth Rs. 495,000, PI: Dr Saba Riaz.
- ACE I/D polymorphism in the patients of cardiac arhythmias (2014- 15). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nageen Hussain
- Mutational analysis of PRPH2 gene in patients of retinitis pigmentosa, cone-rod dystrophy and other macular dystrophies (2013-2014). University of the Punjab, Lahore, of worth Rs. 150,000, PI. Dr Saira Malik.
- Optimizing Conditions for the Biodiesel Production from Microalgae (2013-14). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Mehboob Ahmed.



- Bioremediation of Arsenic Using Bacteria Beneficial to Plants' Growth (2013-2014). University of the Punjab, Lahore, of worth Rs. 125,000, PI. Dr. Yasir Rehman.
- Genetic basis of FTO, leptin, and Leptin receptor genes in obesity (2013-2014). Punjab University, of worth Rs. 386,000. PI: Mrs. Shabana
- Mutational analysis of BRCA2 gene among breast cancer patients of Punjab (2014- 2015). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Ms. Warda Fatima.
- E-learning and Pakistan - An Era of Modern Education (2013-14). University of the Punjab, Lahore, of worth Rs. 125,000, PI: Muhammad Zeeshan Akbar.

Publications

○ Research Articles

- Waheed, A., and Sabri, A.N, 2013.Osmolyte accumulation in moderately halophilic bacteria improves salt tolerance of chick pea. *Pakistan Journal of Botany*. **45(3)**: 1011-1016. (Impact factor 0.872)
- Wadood, Z and Sabri, A.N., 2013. Screening, characterization and biofilm formation of nickel resistant bacteria isolated from indigeneous environment. *Polish Journal of Microbiology*. **62(4)**: 411- 418. (Impact factor. 0.768)
- Yasin, M. and Faisal, M. 2013. Assessing the phytotoxicity of tanneries waste contaminated soil on *Zea mays* Lin. growth. *Polish Journal of Environmental Studies* **22**: 1871-1876 (Impact Factor 0.6)
- Faisal, M. 2013. Inoculation of plant growth promoting bacteria *Ochrobactrum intermedium*, *Brevibacterium* sp. and *Bacillus cereus* induce plant growth parameters. *Journal of Applied Biotechnology*, **1**: 45-53.
- Sarwar, S., Sohail, M. and Ahmed, M. 2013. Recent trends in antibiotics susceptibility pattern of *Pseudomonas* sp. isolated from clinical samples of Punjab, Pakistan. *Latin American Journal of Pharmacy*, **32(8)**: 1244-1248 (Impact factor: 0.319)
- Hussain, N. and Jaffery G. 2013. Distribution of HLA alleles in SLE patients with ACE I/D polymorphism. *Bosnian Journal of Basic Medical Sciences*. **13(1)**: 58-62. (IF: 0.415)
- Hussain, N. 2013. Levels of IL-15 in SLE patients. *International journal of Medicine and Medical Sciences*. **46 (2)**: 1159-1162. (IF=3.328)
- Rehman, Y., Rizvi, F. Z., Faisal, M. and Hasnain, S. 2013. Arsenic and Chromium Reduction in Co-Cultures of Bacteria Isolated from Industrial Sites in Pakistan. *Microbiology+*, **82(4)**: 428-433. (Impact Factor: 0.712)
- Ambreen, A. and Hasnain, S. 2014. Auxins as one of the factors of plant growth improvement by plant growth promoting rhizobacteria. *Polish Journal of Microbiology*, **63(3)**: 261–266.
- Athar M.A., Akbar, A., Khan, Y.H., Ali, I., Mehmood, U., Sabri, A.N., Hasnain, S., 2014. Characterization of Hydrocarbon degrading bacteria isolated from hydrocarbon contaminated soils. *Journal of Pure and Applied Microbiology*, **8(6)**: 4509-4516.



- Chaudhry, M., Hasnain S., Snitz, B.E., Wang, X., Rosenthal, S., Demirci, F.Y., Kamboh, M.I. 2014. Association of APOE polymorphisms and stressful life events with dementia in a Pakistani population. *Neuroscience Letter*, **570**: 42-46.
- Chaudhry, M., Hasnain, S., Wang, X., Snitz, B.E., Bamne, M.N., Rosenthal, S., Demirci, F.Y. and Kamboh, M.I. 2014, Association analysis of 23 susceptibility loci with risk of dementia in a Pakistani population. *Psychiatry Research*, **225(1-2)**: 223-224.
- Shahbaz, S., Ghauri, S.M., Shaheen, S., Mubarak, A., Sabri, A.N. 2014. Histomorphological changes in hypertrophied tonsils in children. *Pakistan Journal of Medical and Health Sciences*, **8(3)**: 510-514.
- Tariq, A. and Latif, Z. 2014. Bioremediation of mercury compounds by using immobilized nitrogen-fixing bacteria. *International Journal of Agriculture and Biology*, **16**: 1129-1134.
- Sarwar, A. and Latif, Z. 2014. GC- MS characterization of antibacterial activity evaluation of *Nigella sativa* oil against diverse strains of *Salmonella*. *Natural Product Research*, **29(5)**: 447-451.
- Mirza, N., Mahmood, Q., Shah, M. M., Pervez, A. and Sultan, S. 2014. Plants as useful vectors to reduce environmental toxic arsenic content. *Scientific World Journal*, Volume 2014, Article ID 921581, 11 pages. (Impact Factor: 1.219)
- Ghalib, AK, Yasin, M., Faisal, M. 2014. Characterization and Metal Detoxification Potential of Moderately Thermophilic *Bacillus cereus* from Geothermal Springs of Himalaya. *Brazilian Archive of Biology and Technology*, **57**: 554-560. (Impact Factor: 0.452)
- Yasin, M., Faisal, M. 2014. Comparative effect of Selenium and Selenium tolerant microbes on *Brachiaria reptans* L. growth. *Pakistan Journal of Botany*, **46(6)**: 2293-2296. (Impact Factor: 1.207)
- Faisal, M. 2014. Detoxification of carcinogenic Cr (VI) by combined action of *Bacillus pumilus*-S4 and *Pseudomonas doudoroffii*-S5 in associated with hydrophyte. *Journal of Pure & Applied Microbiology*, **8(6)**: 4289-95. (Impact Factor: 0.073)
- Ghalib, A.K., Yasin, M., Faisal, M. 2014. Characterization and Metal Detoxification Potential of Moderately Thermophilic *Bacillus cereus* from Geothermal Springs of Himalaya. *Brazilian Archive of Biology and Technology*, **57**: 554-560.
- Siddiq, A., Sultan, S and Faisal, M. 2014. Selenite detoxification by *Bacillus* spp isolated from indigenous polluted sites. *Journal of Environment and Earth Sciences*, **4(22)**: 196-201. (Impact Factor: 0.00)
- Zia, N. and Faisal, M. 2014. Detoxification of selenite to elemental selenium by exopolysaccharides producing desert isolates. pp. 690-697. *EurAsia Waste Management Symposium, 28-30 April 2014, YTU 2010 Congress Center, İstanbul/Türkiye*.
- Naheed, N. and Jamil, N. 2014. Optimization of biodegradable plastic production on sugar cane molasses in *Enterobacter* sp. SEL2. *Brazilian Journal of Microbiology* **45(2)**: 417-426.



- Ali, I. and Jamil, N. 2014. Enhanced biosynthesis of poly(3-Hydroxybutyrate) from potato starch by *Bacillus cereus* strain 64-ins in a laboratory scale fermenter, *Preparative Biochemistry and Biotechnology*, **44**: 822–833.
- Shamim, S., Rehman, A. and Qazi, M.H. 2014. Swimming, swarming, twitching and chemotactic responses of *Cupriavidus metallidurans* CH34 and *Pseudomonas putida* mt2 in the presence of cadmium. *Archives of Environmental Contamination and Toxicology*, **66(3)**: 407-414. (Impact Factor: 1.96)
- Shamim, S. and Rehman, A. 2014. Physicochemical surface properties of *Cupriavidus metallidurans* CH34 and *Pseudomonas putida* mt2 under cadmium stress. *Journal of Basic Microbiology*, **54(4)**: 306-314. (Impact Factor: 1.822)
- Akram, M., Shafaat, S., Bukhari, D.A. and Rehman, A. 2014. Characterization of a thermostable alkaline protease from *Staphylococcus aureus* S-2 isolated from chicken waste. *Pakistan Journal of Zoology*, **46 (4)**: 1125-1132. (Impact Factor: 0.4)
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Book / Book Chapters

- N. Naeem and N. Jamil Isolation and Characterization of the PHA Producing Bacteria, Screening of Bioplastic producing Bacteria, LAP LAMBERT Academic Publishing (2014-02-06), ISBN-13: 978-3-659-49830-5.
- Waqas Ahmad, Saira Malik. Mutational Analysis of MSX1 in Pakistani Population- Pierre Robin Sequence and Non-syndromic Cleft lip and/or Cleft Palate (Orofacial Cleft). LAP LAMBERT Academic Publishing. OmniScriptum GmbH & Co. KG. ISBN: 978-3-659-55625-8



- 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.

- Dr Anjum Nasim Sabri Attended and act as a judge in 3rd invention to innovation summit, 2014.orgnized by ORIC Punjab University, PSF and IRP in Al Razi hall, Undergraduate studies, University of the Punjab.
- Dr Anjum Nasim Sabri, attended and participated in International conference on innovative biological and public health research organized by Department of Zoology, GCU. May 06-08, 2014. Two posters and oral presentation by research students.
- Dr Anjum Nasim Sabri attended and Chaired a session in International conference on Stress Biology and Biotechnology: Challanges and management. 21-23 May 2014. Organized by Institute of Agricultural sciences. University of the Punjab, Lahore.
- Dr Anjum Nasim Sabri attended International conference of Plant Sciences. Organized by Department of Botany, GCU. 22-24 September, 2014.
- Dr Anjum Nasim Sabri attended and chaired one session in Molecular Pathology Conference. Organized by PAP/ RCPATH/AMP at PC Lahore. 24-26th November 2014.
- Dr Anjum Nasim Sabri delivered special lecture on “ Epidemiology and public health: multidisciplinary challenges” at Institute of social and cultural studies (Public Health Programme) University of the Punjab, November,19, 2013.
- Dr Anjum Nasim Sabri delivered special lecture on “Sources of public health data- donor agencies and health care programmes of Pakistan” at Institute of social and cultural studies (Public Health Programme) University of the Punjab, November 21, 2013.
- Dr Anjum Nasim Sabri was Invited speaker in the 1st international seminar on soil health reclamation approaches. Organized by College of earth and environmental sciences, University of the Punjab.
- Dr Anjum Nasim Sabri was Invited speaker in the 1st international Seminar Lahore Biotech Cluster. August 18, 2014 At Armacost Science Building Forman Christian College. Lahore delivered overview of research at the Department of Microbiology and Molecular Genetics.
- Dr Anjum Nasim Sabri was invited speaker in the 2nd international conference on “Biotechnology for sustainable development” 26-28th November, 2014. Organized by institute of industrial biotechnology GCU. lahore delivered lecture on overview of nickel resistant biofilm forming bacteria and their capabilities of biocorrosion.
- Dr Anjum Nasim Sabri Organized “Biophysicochemical basis for technopreneurship” jointly organized by MMG and IBA, University of the Punjab, Lahore, 2-3rd April,2013.



- Dr Anjum Nasim Sabri Organized on day Hands on training workshop on “Basic Biosafety Measures in research” in collaboration with NAYS. Pakistan 27th September, 2013.
- Dr Anjum Nasim Sabri Arranged poster competition on “Dengue fever Awareness” organized by Dengue committee Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 19 December, 2013.
- Dr Anjum Nasim Sabri Organized one day workshop “making sense from sequence” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 25 January 2014.
- Dr Anjum Nasim Sabri Organized one day workshop “Endnote bibliography made easy” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 20 February 2014.
- Dr Anjum Nasim Sabri attended a lecture on Role of forest on biodiversity by Dr Muhammad Akmal Rahim, Forest Conservator, Forest department, Government of the Punjab at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14 March, 2014.
- Dr Anjum Nasim Sabri Organized one day workshop “Scientific writing: guidelines, issues and solutions” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 27 March, 2014.
- Dr Anjum Nasim Sabri Organized two days workshop in collaboration with ORIC University of the Punjab on “CHNS” at At Al Razi Hall Undergraduate studies, University of the Punjab. 3-4 April, 2014.
- Dr Anjum Nasim Sabri attended lecture by Prof. Dr, Shahna Urooj Kazmi on “Scientific Manuscript writing and publication” Ambassador American Society of Microbiology. At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14 April, 2014.
- Dr Anjum Nasim Sabri Organized, Work Shop on “Biosafety and risk assessment “organized by Biosafety and Bioresource Committee of Punjab University. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 April, 2014.
- Dr Anjum Nasim Sabri was member organizing committee of Art and craft exhibition and competition . At Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore. On 24 April, 2014
- Dr Anjum Nasim Sabri member organizing committee of, exhibition and competition of models on “Ecosystem and Biodiversity” At Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore. On 23 May, 2014.
- Organized and attended a lecture on “Forest Ecosystem and Biodiversity” by Dr Muhammad Akmal Rahim, Forest Conservator, in collaboration with Forest department, Government of the Punjab for students Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. At Changa Manga Forest, 26April, 2014.



- Organized, one day symposium on “Recent in molecular Therapeutic” organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 August, 2014.
- Dr. Zakia Latif attended 11th Biennial Conference on Molecular Biosciences-challenges and opportunities, organized by Pakistan society of Biochemistry and Molecular Biology at University of the Punjab, Lahore, Pakistan, from Nov.25-28, 2013.
- Dr. Zakia Latif attended workshop on Biosafety and risk assessment, organized by Biosafety and Bio-resource committee at Microbiology and Molecular Genetics, University of the Punjab, Lahore-Pakistan on 19th April, 2014.
- Dr. Zakia Latif attended international conference on innovative biological and public health research (IBPHR) at Department of Zoology, Govt College University Lahore from May, 06-08, 2014.
- Dr. Zakia Latif attended 1st international seminar on soil health reclamation approaches, organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore, on June 11, 2014.
- Dr. Zakia Latif organized and attended one day seminar on recent trends in molecular therapeutics at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on 19th August, 2014.
- Dr. Sikander Sultan organized a lecture on “Role of Forests in Biodiversity” by Dr. Muhammad Akmal Rahim, Forest Conservator, Forest Department, Government of the Punjab, at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 14, 2014.
- Dr. Sikander Sultan attended one day seminar on “Scientific Manuscript Writing and Publication” by Prof. Dr. Shahana Arooj Kazmi, Ambassador of American Society of Microbiology, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April, 14, 2014.
- Dr. Sikander Sultan attended “Workshop on Biosafety and Risk Assessment” and conducted training session on “Management of Bio-Waste” organized by Biosafety and Bio-resource Committee and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th April, 2014.
- Dr. Sikander Sultan attended “International Conference on Innovative Biological and Public Health Research (IBPHR-2014) at Department of Zoology, Govt. College University, Lahore, May 06-08, 2014.
- Dr. Sikander Sultan attended “The 1st International Seminar on Soil Health Reclamation Approaches” on June 11, 2014, organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore.
- Dr. Sikander Sultan attended One Day Seminar on “Recent Trends in Molecular Therapeutics”



organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th August, 2014.

- Dr. Sikander Sultan attended one day seminar on “Personal Journey from Biosensor Design to Aeroplane Wings” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 25th September, 2014.
- Mrs Tahira Malik attended one day seminar on “personal journey from Biosensor Design to Aeroplane wings” organized by Department of Microbiology and Molecular genetics, university of the Punjab, Lahore Pakistan, 25th September, 2014.
- Mrs Tahira Malik participated in one day “Workshop on Biosafety & Risk Assessment”, Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, 19th April, 2014.
- Mrs Tahira Malik participated in “Recent Trends in Molecular Therapeutics”, Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, August 19, 2014.
- Dr. Muhammad Faisal Attended one day workshop on “Biosafety and Risk Assessment” held in the Undergraduate block University of the Punjab, Lahore on 19th April, 2014.
- Dr. Muhammad Faisal Participated in the three day symposium “Eurasia Waste Management Symposium 2014” in Yildiz Teknik University, Istanbul, Turkey on 28-30 April, 2014.
- Dr. Muhammad Faisal Attended two day conference on “Innovative Biological and Public Health Research (IBPHR 2014)” in Government College University, Lahore on 6-8 May, 2014.
- Dr. Muhammad Faisal Participated in 1st International seminar on “Soil Health Reclamation Approaches” organized by the College of Earth and Environmental Sciences, University of the Punjab, Lahore on 11 June, 2014.
- Dr. Muhammad Faisal Participated in Fourth International Conference on Biotechnology and Environment Management on 15th to 16th of September 2014 in Paris France.
- Dr. Muhammad Faisal Attended three days International Conference of Plant Sciences” organized by the Department of Botany, GC University, Lahore, 22nd-24th September, 2014.
- Dr. Nazia Jamil participated and presented (poster) in, International Conference on Poverty & Sustainable Development, Colombo, Sirilanka, June 17-18, 2014.
- Dr. Nazia Jamil participated and presented as Invited Speaker in, Workshop on Biosafety organized by Biosafety committee, University of the Punjab, Pakistan, 19th April, 2014.
- Dr. Nazia Jamil Attended One day Seminar on “Recent Trends in Molecular Therapeutics” by Dr. Atif Amin Baig Medical Lecturer at University Sultan Zainal Abidin, Malaysia, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, August 19, 2014.
- Dr. Nazia Jamil participated in The 1st International Seminar on Soil Health Reclamation Approches, organized by CEES, Punjab University, Pakistan, June 11, 2014.



- Dr. Nazia Jamil Participated in International conference on innovative Biological and public Health Research organized by Department of Zoology, GCU, Lahore, Pakistan, May 6-8, 2014.
- Dr. Nazia Jamil attended One day seminar on Scientific Manuscript Writing and Publication by Prof. Dr. Shahna Arooj Kazmi, Ambassador of American Society of Microbiology organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April, 14, 2014.
- Dr. Nazia Jamil Organized a lecture on “Forest Ecosystem and Biodiversity” by Dr. Akmal Rahim, Forest Conservator, in collaboration with Forest Department, Government of the Punjab, for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, at Changa Manga Forest, April, 26, 2014.
- Dr. Abdul Rehman attended One day workshop on “Thomson Reuters ENDNOTE” offered by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on February 20, 2014.
- Dr. Abdul Rehman attended and presented research work in 34th Pakistan Congress of Zoology (International) held at Bahauddin Zakariya University, Multan, from Feb. 25-27, 2014.
- Dr. Abdul Rehman acted as a resource person seminar on “Scientific Writing: Guidelines, Issues and Solutions” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on March 27, 2014.
- Dr. Abdul Rehman attended One day workshop on “Biosafety and Risk Assessment” offered by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on April 19, 2014.
- Dr. Abdul Rehman participated in international conference on “Innovative Biological and Public Health Research” (International) held at Department of Zoology, GC University, Lahore, from May 6-8, 2014.
- Dr. Abdul Rehman Participated in the 1st International seminar on “Soil Health Reclamation Approaches” organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore, on June 11, 2014.
- Dr. Abdul Rehman participated in One day symposium on “Recent Trends in Molecular Therapeutics” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on August 19, 2014.
- Dr. Basharat Ali Presented research work entitled “Role of bacterial auxin signaling in plant growth promotion in “VI International conference on environmental, industrial and applied microbiology (BioMicroWorld2013)” held in Madrid, Spain, from 2-4 October, 2013,
- Dr. Basharat Ali Participated in workshop on “Biosafety and Risk Assessment” held at department of Microbiology and molecular Genetics, University of the Punjab, Lahore, on 19th April, 2014.



- Dr. Basharat Ali Participated in “International Conference on Innovative Biological and Public Health Research” held at Government College University, Lahore, from 06-08 May, 2014.
- Dr. Basharat Ali Participated in seminar on “Soil Health and Reclamation Approaches” organized by College of Earth and Environmental Sciences, University of the Punjab, Lahore on 11th June, 2014.
- Dr. Basharat Ali Participated in workshop “Recent Trends in Molecular Therapeutics” organized by department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th August, 2014.
- Dr. Imran Sajid participated and presented in “5th international conference on environment, industrial and applied microbiology (BioMicroWorld2013), held in Madrid, Spain from 2-4 October 2013.
- Dr. Imran Sajid participated in “11th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology”. Organized by Institute of Biochemistry and Biotechnology (IBB), University of the Punjab, Lahore, Pakistan, November, 25-28, 2013.
- Dr. Imran Sajid participated and presented (Oral Presentation) in International Conference of Biochemical and Chemical Sciences (ICBCS-2014), Organized by Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan, February, 24-26, 2014,.
- Dr. Imran Sajid participated in “Workshop on “Biosafety and Risk Assessment” April, 19, 2014, MMG, University of the Punjab, Lahore, Pakistan.
- Dr. Imran Sajid participated in “International Conference on “Innovative Biological and Public Health Research” May, 06-08, 2014, Department of Zoology, GC University, Lahore, Pakistan.
- Dr. Imran Sajid participated in “The 1st International Seminar on “Soil Health Reclamation Approaches” June, 11, 2014, organized by College of Earth and Environmental Sciences (CEES), University of the Punjab, Lahore, Pakistan.
- Dr. Imran Sajid Participated in workshop on “Recent Trends in Molecular Therapeutics” organized by department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 19th August, 2014.
- Dr. Nousheen Zehra Zaidi participated and presented in ICACT - 25th International Congress on Anti-Cancer Treatment. Paris, France, in February 2014.
- Dr. Nousheen Zehra Zaidi participated and presented in International Conference on Innovative Biological and Public Health Research. Government College University. Lahore, Pakistan, May 2014.
- Dr. Nousheen Zehra Zaidi organized and participated in Workshop on Biosafety and Risk Assessment. University of the Punjab. Lahore, Pakistan, April 2014.
- Dr. Nousheen Zehra Zaidi presented in 1st Students National Conference on Biology, NIBGE. Faisalabad, Pakistan. March 2014.



- Dr. Rida Batool attended and presented (poster presentation) in 1st International Seminar on Soil Health Reclamation Approaches organized by College of Earth & Environmental Sciences (CEES), at Al Raazi Hall, Centre for Undergraduate Studies, University of the Punjab Lahore-Pakistan, June 11, 2014.
- Dr. Rida Batool attended and presented (poster presentation) International Conference on Poverty and Sustainable Development (ICPSD'2014) at Colombo, Sri Lanka from 17th -18th June, 2014.
- Dr. Rida Batool attended one day seminar on Scientific Manuscript Writing and Publication by Prof. Dr. Shahna Arooj Kazmi, Ambassador of American Society of Microbiology organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April, 14, 2014.
- Dr. Rida Batool attended one day workshop on “Biosafety and Risk Assessment” organized by Biosafety and Bio-resource Committee, University of the Punjab, on 19 April, 2014.
- Dr. Rida Batool Organized a lecture on “Forest Ecosystem and Biodiversity” by Dr. Akmal Rahim, Forest Conservator, in collaboration with Forest Department, Government of the Punjab, for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, at Changa Manga Forest, April, 26, 2014.
- Dr. Rida Batool attended International Conference on Innovative Biological and Public Health Research (IBPHR - 2014), organized by Department of Zoology, Government College University, Lahore, from May 6-8, 2014.
- Dr. Rida Batool organized, an exhibition and competition of models on “Ecosystem and Biodiversity” for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, May, 23, 2014.
- Dr. Rida Batool attended one day Seminar on “Recent Trends in Molecular Therapeutics” by Dr. Atif Amin Baig Medical Lecturer at University Sultan Zainal Abidin, Malaysia, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, August 19, 2014.
- Dr. Rida Batool attended one day Seminar on “Personal Journey from Biosensor Design to Aero plane Wings” by Dr. Safwan Akram, from University of Cambridge, United Kingdom, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, September 25, 2014.
- Dr. Zaigham Abbas organized and gave a talk on Biosafety and animal handling in one day “Workshop on Biosafety & Risk Assessment”, Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, 19th April, 2014.
- Dr. Zaigham Abbas organized first national level meeting of Science Societies In collaboration with Technology Times, Pakistan Council for Science and Technology and National Academy of You



Scientists at Islamabad (22nd March,2014)

- Dr. Zaigham Abbas Presented poster in World Biotechnology Congress, 2104 held at Dubai, UAE (February 10-12, 2014).
- Dr. Zaigham Abbas attended “International workshop on Modern Techniques in Structural Biology” held at Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, Pakistan. (December 13-14, 2013).
- Dr Shafiq ur Rehman attended and gave talk on “Phage therapy” at one day workshop on Recent trends in Molecular Therapeutics organized by MMG department, University of the Punjab Lahore on Aug 19 , 2014.
- Dr Shafiq ur Rehman attended and gave a talk on “working with infectious agents” at one day WorkShop on Biosafety and Risk Assessment organized by MMG department, University of the Punjab Lahore on April 19, 2014.
- Dr Shafiq ur Rehman attended and presented poster on “Isolation and characterization of bacteriophages against *Pseudomonas aeruginosa*, *Klebsiella pneumoniae* and *Enterobacter cloacae*” at International conference on Viruses of microbes: Structure and function, from molecules to communities at Zurich, Switzerland, from July 14-18 July 2014.
- Dr. Saba Riaz Attended and orally presented on “Phenotypic and Molecular Detection of plasmid encoded Beta-lactamases produced by *E. coli* and *Klebsiella spp*” in 11th Annual Conference on infectious Diseases. Medical Microbiology and infectious society of Pakistan from14-15, March 2014
- Dr. Saba Riaz Attended workshop on CHNS-O Elemental Analyzer. Organized By School Of Physical Sciences, University of the Punjab, Lahore, 31th March 2014.
- Dr. Saba Riaz Attended and orally presented on “Working with clinical samples” in Workshop on Biosafety and Risk assessment, University of the Punjab, Lahore, 19th April, 2014.
- Dr. Saba Riaz Attended workshop on “Awareness of Emerging Issues of Cancers in Pakistan”, organized by Lahore College for women, May 6, 2014.
- Dr. Saba Riaz Attended 1st National Conference on Integrated Role of Forensic Sciences in Criminal Justice system” Organized by The University of Lahore, Forensic Science Section held on 25th September, 2014.
- Dr. Nageen Hussain presented (poster) in a 2014 MEMBS Congress in Dubai from 14th-17th September 2014.
- Dr. Nageen Hussain presented (oral presentation) in PAP Conference 2013, 22nd-24th Dec, 2013.
- Dr. Saira Malik attended a course “Advance bomb disposal course for officers no. ABD-01” at Bomb disposal unit, Township, Lahore, from Oct. 21-Nov. 15, 2013.
- Dr. Saira Malik attended an International symposium on Molecular Forensic: Emerging Trends at University of Health Sciences, Lahore, on May 29, 2014.



- Dr. Saira Malik attended One-day symposium on “Recent trends in Molecular Therapeutics” at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on Aug 19, 2014.
- Dr. Mehboob Ahmed presented in Conference on "V International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2013)" Madrid, Spain (02 – 04 October, 2013)
- Dr. Mehboob Ahmed attended “2nd Annual Computational Science/Biology Conference” held at International Islamic University, Islamabad. (20 – 25 October, 2013)
- 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. (07 November, 2013)
- Dr. Mehboob Ahmed presented in 11th Biennial Conference "Molecular Biosciences - Challenges and Opportunities" by The Pakistan Society for Biochemistry and Molecular Biology, held at School of Biological Sciences, The University of the Punjab, Lahore. (25-28 November, 2013)
- Dr. Mehboob Ahmed attended “Workshop on Enzyme Immunoassays” held at National Health Research Complex, Shaikh Zayad Medical Complex, Lahore. (10 – 12 December, 2013)
- Dr. Mehboob Ahmed organized a one day training session on “Introduction and Efficient Use of National Digital Library” in Department of Microbiology and Molecular Genetics, University of the Punjab. (13 December, 2013)
- Dr. Mehboob Ahmed organized a one day training session on “Making Sense from Sequence” in Department of Microbiology and Molecular Genetics, University of the Punjab. (25 January, 2014)
- Dr. Mehboob Ahmed organized a one day training session on “Introduction and Use of EndNote®” in Department of Microbiology and Molecular Genetics, University of the Punjab. (20 February, 2014)
- Dr. Mehboob Ahmed presented in Seminar on Transgenic Plants and the Antimicrobial Potential of Crops, organized by American Society of Microbiology in collaboration with Department of Botany, Lahore College for Women University, Lahore. (25 February, 2014)
- Dr. Mehboob Ahmed attended “34th Zoological Congress of Pakistan” held at Bahauddin Zakariya University, Multan. (25 – 27 February, 2014)
- Dr. Mehboob Ahmed presented in 15th International Congress of Soil Science, organized by Soil Science Society of Pakistan (SSSP) at National Agriculture Research Council, Islamabad. (18 – 20 March, 2014)
- Dr. Mehboob Ahmed organized a one day training session on “Scientific Writing: Guidelines, Issues and Solutions” in Department of Microbiology and Molecular Genetics, University of the Punjab. (27 March, 2014)



- Dr. Mehboob Ahmed attended Training Workshop on CHNS Instrument, organized by Office of Research Innovation & Commercialization (ORIC) in Collaboration with School of Physical Sciences at University of the Punjab, Lahore. (03 – 04 April, 2014)
- Dr. Mehboob Ahmed attended Workshop on Biosafety and Risk Assessment, organized by Biosafety and Bio-resource Committee, University of the Punjab, Lahore (19 April, 2014)
- Dr. Mehboob Ahmed presented in “Shameel Memorial Seminar on Algal Resources”, Institute of Marine Sciences, The University of Karachi, Karachi (6-7 May, 2014)
- Dr. Mehboob Ahmed attended workshop on Culture of Responsibility, organized by American Society for Microbiology, at Boston, Massachusetts, USA (17 May, 2014)
- Dr. Mehboob Ahmed presented in 114th General Meeting of American Society for Microbiology, at Boston, Massachusetts, USA (18-20 May, 2014)
- Dr. Mehboob Ahmed attended seminar on “Soil Health Reclamation Approaches”, by College of Earth & Environmental Sciences (CEES), University of the Punjab, Lahore (11 June, 2014)
- Dr. Mehboob Ahmed attended Workshop on “Remote Sensing & GIS Applications in Forestry”, National Center for Remote Sensing and Geo-Informatics (NCRG), SUPARCO, Karachi (18-22 August, 2014)
- Dr. Mehboob Ahmed presented in “9th European Workshop on the Molecular Biology of Cyanobacteria” at the Royal Netherlands Institute for Sea Research (NIOZ), Texel, Netherlands (7-11 September, 2014)
- Dr. Yasir Rehman attended one day “Workshop on Biosafety & Risk Assessment”. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, held on 19th April, 2014.
- Dr. Yasir Rehman participated in “International Conference on Innovative Biological and Public Health Research” at Department of Zoology, Government College University, Lahore Pakistan, from May 06-08, 2014.
- Dr. Yasir Rehman participated in “Recent Trends in Molecular Therapeutics” at Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan, on August 19, 2014.
- Mrs Shabana presented a poster in British Atherosclerosis Society autumn meeting at Queens College, Cambridge UK, from Sep. 25-26, 2014.
- Ms. Warda Fatima participated in “11th Biennial conference of molecular bioscience- challenges and opportunities” organized by PSBMB in University of the Punjab, Lahore, from Nov. 25-28, 2013.
- Ms. Warda Fatima participated in “1st International students conference on biological sciences”



organized by NIBGE Faisalabad, from March 27-28, 2014.

- Ms. Warda Fatima participated in “International symposium on Molecular forensic: emerging trends” organized by University of Health sciences, Lahore, on May 29, 2014.
- Mr. Zeeshan Akbar attended “2nd Annual Computational Science/Biology Conference” held at International Islamic University, Islamabad, 20-25 October, 2013)
- Mr. Zeeshan Akbar presented (oral presentation) in International Conference on Education and Social Sciences ISTANBUL, TURKEY, 3 - 5 February 2014.
- Mr. Zeeshan Akbar attended workshop on Library Management & Digital Resources, organized by National Centre for Rural Development, Park Road, Chak Shahzad Islamabad, Pakistan, 14-16 April, 2014.
- Mr. Zeeshan Akbar attended one day workshop on “Biosafety and Risk Assessment” held in the Undergraduate block University of the Punjab, Lahore on 19th April, 2014.
- Mr. Zeeshan Akbar attended, International Training on Application of Remote Sensing and GIS in Forestry National Centre for Remote Sensing and Geo-Informatics (NCRG), SUPARCO Headquarters, SUPARCO Road, Karachi, Pakistan, 18–22 August, 2014.

Research Journals

RESEARCH COLLABORATION

Indigenous

- Research collaboration with Department of Pharmacy, Lahore College for Woman University (LCWU), Lahore, an MPhil student of LCWU (Ms. Uroosa Hina) completed her research under the supervision of Dr. Imran Sajid in the Department.
- Research collaboration with Pakistan Institute of Cardiology and an M.phil. student under supervision of Dr. Saba Riaz completing a part of research in Pakistan Institute of Cardiology
- Research collaboration with Citilab and Research Centre and a MSc and BS studenta under supervision of Dr. Saba Riaz completing a part of research in Citilab and Research Centre
- Prof. Dr. Shafqat Fatima Rehmani, Quality Operations Laboratory, University of Veterinary and animal Sciences Lahore collaboration with Dr. Zaigham Abbas.
- Dr. Saqib Mahmood, Department of Human Genetics & Molecular Biology, University of Health sciences, Lahore, Pakistan, collaboration with Ms. Warda

Foreign Linkages

- Dr. Jari Sinkonen, Instruemnt Center (NMR Facility), Department of Chemistry, University of Turku, Finland, collaborated with Dr. Imran Sajid in Erasmus Mundus Action2 (Experts4Asia) academic mobility program.



- Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA. Co-PI on a USAid research proposal and Co-authored a review article with Dr. Nousheen Zehra Zaidi.
- Dr. Hubert Kalbacher, Eberhard Karls University, Tübingen, Germany. International Collaborator for NRPB research project and PSF project and Co-authored two review articles and one research article with Dr. Nousheen Zehra Zaidi.
- Prof. Stephen Eric Humphries, Center for Cardiovascular Genetics, Institute of Cardiovascular Sciences, The Rayne Building, University College London, London, UK, Collaboration with Mrs Shabana.
- Dr. Muhammad Ayub, Queen's University, Kingston, Department of Psychiatry, Queen's University, Kingston, Canada, collaboration with Ms. Warda

Funding grants for R&D

- Auxin production and biofertilization potential of plant associated *Bacillus* spp. under different water regimes (2013-2016). Higher Education Commission of Pakistan, worth Rs. 36, 94, 260. Principal Investigator, Dr. Basharat Ali.
- Anticancer therapy: Targeting De Novo Lipid synthesis, (2013-15) Higher Education Commission, of worth PKR 11,004,666, PI: Dr.Nousheen Zehra Zaidi.
- Screening for antitumor/anticancer compounds from indigenous actinomycetes (2013-2016) Higher Education Commission, of worth PKR 8.96 million, PI: Dr.Imran Sajid.
- Analysis of purified bioplastic from indigenous bacteria for in-vitro cell culturing, (2014-16) International Foundation for Science (IFS) Sweden, of worth 10000 USD, PI: Dr. Nazia Jamil.
- Phenotypic and molecular characterization of *CTX-M* encoding beta-lactamase from clinical *Enterobacteriaceae*. 2014. Startup Research Grant of worth Rs. 495,000. HEC. PI Dr Saba Riaz; Co- PI: Dr Anjum Nasim Sabri.
- Operation of Office of Research, Innovation and Commercialization (ORIC)

DEPARTMENT OF ZOOLOGY

R&D-An Overview

The Department of Zoology, a discipline of natural sciences, meets the need of trained manpower in a vast basic and interdisciplinary framework concerning animal sciences. The Department has earned international recognition for academic excellence and prominence in various fields of research like Cell biology, Molecular Biology, Physiology, Developmental Biology, Entomology, Microbiology, Palaeontology, Parasitology, Environmental Biotechnology, Toxicology, Clinical Endocrinology, Fisheries etc.

Punjab University Fish Research Farm comprises of an area of 5 acres, including nursery ponds, research ponds and production ponds. Now students are working in various areas of fisheries such as fish disease, fish physiology, fish nutrition etc; taking full benefits of this facility created at Quaid-i-Azam Campus, Lahore. Students from other universities also use the facilities of Fish Research Farm for their



studies. In addition to teaching and research some fishes are also available for sale to the faculty and staff members of the Punjab University. Approximately 2500-3000kg fish is annually sold to the employees of Punjab University. In near future the Fish Research Farm will be upgraded as institute of Aquaculture, where teaching and research will be carried out at undergraduate and postgraduate level for development of the 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 alien department and hobbyists. Special emphasis is being given on generating awareness about the crucial factor of bee pollination required for increased productivity of oilseed, vegetable seed, fodder seed crops and fruits in Pakistan.

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

Projects:

Completed (during 2014)

| Name of Researcher/sponsoring Agency | Title of Research Project with duration | Financial Support (million Rupees) |
|--|--|------------------------------------|
| Prof. Dr. Javed Iqbal Qazi University of the Punjab Lahore | Cultivation of Heavy metals resistant bacteria in low cost media, sponsored by University of the Punjab, Lahore (2012-2013). Total Grant Amount = Rs. 250,000/- | 0.25 |
| Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore | Isolation of acid resistant lactic acid bacteria of probiotic potential from traditional dairy products, sponsored by University of the Punjab, Lahore (2013-2014). Total Grant Amount = Rs. 250,000/- | |
| Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore | Isolation of acid resistant lactic acid bacteria of probiotic potential from traditional dairy products, sponsored by University of the Punjab, Lahore (2013-2014). Total Grant Amount = Rs. 250,000/- | |
| Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore | Study on migration pattern and characteristics of fish habitats under low flow season for Dasu Hydropower Project sponsored by WAPDA (2013-2014). Total Grant Amount = Rs. 03 million | |



| | | |
|---|--|------|
| Prof. Dr. Muhammad Naeem Khan | "Studies on molecular genetic diversity of natural and hatchery populations of Labeorohita, anative commercial carp", project completed in year 2013-14. | |
| Dr. Zafar Iqbal University of the Punjab, Lahore | A project entitled" Health Status of fishes of River Rvi at Head Balloki District Kasur". This project is funded by Punjab University the research work is completed | 0.2 |
| Dr. Nabila Roohi University of the Punjab, Lahore | Effect of cement dust exposure on hematological, hepatic and renal profile of cement industry workers Funded by R & D, University of the Punjab | 0.2 |
| Dr. Abida Butt University of the Punjab, Lahore | Effects of the metals cromium and copper on the metabolism of <i>Pardosa oakleyi</i> (Araneae: Lycosidae) | 0.2 |
| Dr. Farah Rauf Shakoori University of the Punjab, Lahore | Expression of cadmium uptake ability of <i>Paramecium</i> metallothionein gene. | 0.2 |
| Dr. Najma Shaheen University of the Punjab, Lahore | Screening of mutations (rs 61748511, rs 61750630, rs 61748511 and rs 61751296) in local vwd patients | 0.15 |
| Dr. Najma Shaheen HEC | Expression and regulation of beta-defensin-2 mRNA in injured lungs from mice. | 0.50 |

Newly launched (during 2011)

| Name of Researcher/sponsoring Agency | Title of Research Project with duration | Financial Support (million Rupees) |
|---|---|---|
| Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore | Isolation of Yeast for Bioethanol from Watermelon | 0.25 |
| Prof. Dr. Muhammad Naeem Khan University of the Punjab, Lahore | Biological studies of Feshwater Mussels from Cheshma Barrage and other Locations | 0.25 |
| Dr. Asmatullah University of the Punjab, Lahore | Ameliorations by Citrus Juice on fluoride induced Hepatotoxicity in Mice | 0.2 |
| Dr. Zafar Iqbal University of the Punjab, Lahore | Parasitic Diseases fo Tilapia fish, <i>Oreochromis</i> sp. Cultured in earthen ponds | 0.2 |
| Dr. Muhammad Shafiq Ahmad University of the Punjab, Lahore | Assessment of Bioaccumulation of some heavy metals in desi Chicken, <i>Gallus Domesticus</i> along the food chain from various suburabs of Lahore | 0.2 |
| Dr. Nabila Roohi University of the Punjab | Identification of Protein Biomarkers in newly Diagnosed and first Degree Relatives Breast Cancer Patients | 0.2 |
| Dr. Abida Butt University of the Punjab, Lahore | Biomonitoring of Soan river using insect as water quality indicator. | 0.05 |
| Dr. Abida Butt University of the Punjab, Lahore | Biodiversity of spider fauna in salt range of Pakistan | 0.05 |
| Dr. Abida Butt | Toxicity fo fresh and aged residues of some | 0.2 |



| | | |
|---|--|------|
| University of the Punjab, Lahore | insecticides used in cotton on foliage spider, <i>Oxyopes Javanus</i> (Araneae: Oxyopidae) | |
| Dr. Farah Rauf Shakoori University of the Punjab, Lahroe | Expression of a Mutant of Synthetic cadmium metallothionein gene of paramecium | 0.2 |
| Dr. Zulfiqar Ali University of the Punjab | Aerosol Analysis: Human exposure to particulate matters in different urban congestions and ventilation processes | 0.2 |
| Dr. Najma Shaheen Funded by: University of the Punjab | Probiotic and Antioxidant Potential of lactic Acid Bacteria Isolated from hea, thy Horses | 0.15 |
| Dr. Nadeem Sheikh University of the Punjab, Lahore | Effect of metal Dust on Workers of Culterly Industry in Wazirabad, Pakistan | 0.15 |
| Dr. Ayesha Aihetasham | Antimicrobial potentials of essentialoils against termite (<i>Heterotermes Indicola</i>) gut flora | 0.15 |
| Dr. Abdul Majid | Studies on Neogene Fossil mammals from the late Miocene Siwaliks of Distict Chakwal, Punjab, Pakistan | 0.15 |

Publications

Prof. Dr. Muhammad Akhtar

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- Iqbal Mahboob, Prince A, Khan M. A Nayyer A.Q & Akhtar, M. 2013 Ecology and Population Status of Hog Deer from Norowal, Pakistan International Research Journal of Biological 2 (7): 1-6.
- Khan, M.A, Iqbal M.,Nayyer A.Q & Akhtar 2013. Teraconodon (Mammalia: Artiodactyla: Suidae) from the Late Miocene Dhok Pathan Formation of Pakistan: Pakistan Journal of Zoology, Vol. 45(4) PP 975-980,2013.
- Khan, M.A, Batool A., Nayyer A.Q, & Akhtar 2013. *Gazella Lydekkeri* (Cetartiodactyla: Ruminatia: Bovidae) from the Middle Siwaliks of Hasnot (late Miocene), Pakistan: Pakistan Journal of Zoology, Vol. 45(4) PP 981-988, 2013.
- Khan, M.A, Batool A., Nayyer A.Q, & Akhtar M.2013. *Gazella Lydekkeri* (Cetartiodactyla: Ruminatia: Bovidae) from the Middle Siwaliks of Hasnot (late Miocene), Pakistan: *Pakistan J. Zool.*, 45(4) 981-988, (Impact Factor = 0.338).
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- Aftab,K., Ahmad, Z., Khan, M.A., & Akhtar, M. 2013. New remains of *Giraffa Priscilla* from Parrhwala Chinji Formation, Northern Pakistan. *Biologia Pakistan* 59 (2), 233-238
- Khan, M. A., Akhtar, M. & Ammara Irum, 2014. *Bramatherium* (Artiodactyla, Ruminantia, Giraffidae) from the Middle Siwaliks of Hasnot, Pakistan: biostratigraphy and palaeoecology, *Turkish Journal of Earth Sciences*. Vol 23, pp 308-320.
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Prof. Dr. Javed Iqbal Qazi

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Dr. Zafar Iqbal

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- **Iqbai, Zand** Hussain, U. 2013 Parasitic infection of an ornamental fish, Shubunkin, *Carassius auratus* L. imported to Pakistan. *Biologia (Pakistan)*, 59(2):281-286
- Iqbal, Z., Hussain, U., Maryiurn, A, B and Beenish G. R. 2013. Incidence of white spot disease in freshwater ornamental fishes imported to Pakistan. *Bio/ogia (Pakistan)*. 59(2):227-231.
- **Iqbai, Z** and Saleemi, S. 2013. Isolation of pathogenic fungi from a freshwater commercial fish, *Catlacatla* (Hamilton). *Science International (Lahore)*, 25(4): 851-855.
- **Iqbal, Z** and Wootten., R. 2013. Population Biology of a cestode, *Proteocephalus filicollis* (Rudolphi) in *Gasterosteus aculeatus* L. *Canadian Journal of Pure and Applied Sciences* 7(3): 2475-2480 (**GIF=2.267**)

Dr. Nabila Roobi

- FATIMA, T., **ROOHI, N.** AND ABID, R., 2013. Circulatory Proteins in Women with Breast Cancer and their Chemotherapeutic Responses *Pakistan Journal of Zoology*, 45 (5): 1207-1213. **Impact Factor: 0.338.**
- **ROOM, N.,** ARID, R. AND FATIMA, T., 2013. Cardiovascular manifestations in pre- and post-menopausal breast cancer patients. *Endocrine Reviews (Stipp!)*. **34** (3): 741. **Impact Factor: 22.469**
- AKRAM, M. AND **ROOM, N.,** 2013. Proteomic Identification of Molecular Pathogenesis in Polycystic Ovary Syndrome Patients. *Endocrine Reviews (Suppl.)*. **34** (3): 534. **Impact Factor: 22.469**
- **ROOM, N.** AND AHMAD, A., 2013, Protein Biomarkers in Identification of Cardiovascular Risk Factors in Hypertensive Prepubertal Children. *Endocrine Reviews (Suppl.)*. **34** (3): 740. **Impact Factor: 22.469**
- **ROOM, N.,** ABID, R. AND FATIMA, T., 2014. Cardiovascular manifestations in pre- and post-menopausal breast cancer patients. *HealthMed*, **8** (1): 27-34. **Impact Factor: 0.441**
- **ROOM, N. ,** 2014. Insulin Resistance and Type 2 Diabetes Mellitus Risk in Women with Polycystic Ovary Syndrome. *Endocrine Reviews (Stipp!)*. **35** (3): 740. **Impact Factor: 19.358**



- **ROOHI, N. AND AHMAD, A., 2014.** Dyslipidemia and Inflammatory Markers As Predictors of Cardiovascular Risk in Type I Diabetic Children, *Endocrine Reviews (Suppl)*. **35** (3): 740. **Impact Factor: 19.358**
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- IQBAL, M. A., **ROOM, N., AKRAM, M. AND KHAN, O. 2014.** Supplementation of Mannan-oligosaccharides (MOS) in four close-bred parent flocks of Japanese quail breeders and its subsequent effects on chick weight. *Biologia*, **60** (2): 281-285. **HEC recognized Y category.**

Dr. Abida Butt

| | | | | | |
|--|-------------------------------|---|-----------------|-----|-----------|
| Sherawat , S. M. and Butt, A | Pakistan Journal of Zoology | Role of Hunting Spiders m Suppression of Wheat Aphid | 46 (2): 309-315 | 201 | 0.33 1 |
| Khan, S. Y., Tahir, H.M. , Ahsan, M. M.,Malik, T. and Butt, A | Pakistan Journal of Zoology | Estimation of Adult density of Aee sd afbopictus (Diptera: Culicidae) in Some Hilly Areas of Pakistan | 46 (2): 567-705 | 201 | 0.33 1 |
| H. M. Tahir, K. Zafa, R. Mishal, A.A . Khan,A. But,I.S. Raza and M. M. Ahsan | World Applied Science Journal | Scorpion Venom Peptides for the Management of <i>Bactrocera zonata</i> (Diptera: Tephritidae) | 32 (2): 322-324 | 201 | |

Dr. Farah Sbakoori

- Muneer, B,, Iqbal, M.J **Shakoori, F.R.,** and Shakoori, A.R., 2013. Tolerance and Biosorption of Mercury by Microbial Consortia: Potential Use in Bioremediation of Waste water. *Pakistan J. Zool.*, **45(1)**: 247-254.
- Shuja, R.N., Taimuri, S.A., Shakoori, Shakoori, A.R. 2013. Efficient expression of truncated recombinant cadmium-metallothionein gene of a ciliate, *Tetrahymena tropicalis lahorensis* in *Escherichia toll. l q l zo*, **9 40**: 7061-7068.
- Munir, J., Iqbal, Z., Saleem, M., Shakoori, Mahmood, Z., Shakoori, A.R. and Nasir-ud-Din. 2014. The 3D modeling and characterization of wildtype and mutated *Plasmodium falciparum* cytochrome b:A computational approach. *Pakistan J. Zool.*, **46(3)**: 841-851.
- Zahid, M.T., Shakoori, Zulfiqar, S.,Jahan, N. and Shakoori, A.R., 2014. A new ciliate species,*Tetrahymena farahensis*,isolated from the industrial wastewater and its phylogenetic relationship with other members of the genus. *Pakistan J. Zool.*, **46(5)**: 1433-1445.

**Dr. Najma Shaheen**

| Name of Author(s) | Title of paper | Name of journal | IF | Volume |
|---|--|--|-------|--------|
| Arshad N., Khan S., Tariq H and Samreen S. | Characterization of contact lens associated bacteria and their responses to Botanical essential oils | International Journal of Agriculture and Biology | 0.902 | 16(6) |

Dr. Muhammad Akbar Khan

- Khan, M.A & Akhtar, M. 2013. Tragulidae (Artiodactyla, Ruminantia) from the Middle Miocene Chinji Formation of Pakistan. *Turkish J Earth Sci*, **22**: 339-353 (Impact Factor=0.95).
- Iqbal Mahboob, Prince A, Khan M. A Nayyer A.Q & Akhtar, M. 2013 Ecology and Population Status of Hog Deer from Norowal, Pakistan International Research Journal of Biological 2 (7): 1-6.
- Khan, M.A, Iqbal M.,Nayyer A.Q & Akhtar 2013, Teraconodon (Mammalia: Artiodactyla: Suidae) from the Late Miocene Dhok Pathan Formation of Pakistan: Pakistan Journal of Zoology, Vol. 45(4) PP 975-980,2013.
- Khan, M.A, Batool A., Nayyer A.Q, & Akhtar 2013. *Gazella Lydekkeri* (Cetartiodactyla: Ruminatia: Bovidae) from the Middle Siwaliks of Hasnot (late Miocene), Pakistan: Pakistan Journal of Zoology, Vol. 45(4) PP 981-988, 2013.
- Khan, M.A, Batool A., Nayyer A.Q, & Akhtar M.2013. *Gazella Lydekkeri* (Cetartiodactyla: Ruminatia: Bovidae) from the Middle Siwaliks of Hasnot (late Miocene), Pakistan: *Pakistan J. Zool.*, 45(4) 981-988, (Impact Factor = 0.338).
- Khan, M.A, Raza, A., Batool, A., Nayyer A.Q & Akhtar M., & Rubab, K., 2013. New boselaphine remains from the Dhok Pathan Formation of the Middle Siwaliks, northern Pakistan, "*Pakistan J. Zool.*, 45(5): 1377-1385. (Impact Factor = 0.308).
- Khan, M.A, Akhtar M., Babar, M.A., Abbas, S.G., Siddiq, M.K., Nawaz, M.K., Mubashar, M., yaqoob, H., Nazir, S., Farheen, S., Draz, O., Shahbaz, S., Sultan, N., Sahra, N. & Noreen, S., 2013. Some New Remains of Middle Miocene from the Chinji Formation, northern Pakistan. *Pak. J. of Zool., Supplementary Series*, 13 (in press). (Impact factor: 0.308).
- Khan, M.A, Akhtar M., 2014. Antilopes (Mammalia, Ruminantia, Bovidae) from the Upper Siwaliks of Tatrot, Pakistan, with description of a new species. *Paleontological Journal*, 48(1): 79-89. (Impact factor: 0.5 78).
- Khan, M. A., Akhtar, M. & iliopoulos, G., Cervid remains from the Middle Siwaliks of Hasnot (late Miocene), northern Pakistan. *Journal of Geological Society of India. Accepted (impact Factor: 0.9)*



- Iqba, M., Maqsood S., Khan, M.A., Sulehria, A.Q.K. Nayyer A.Q., & Akhtar, M. 2013. New remains of *Brachypotherium* (Mammalia, Rhinocerotidae) from Dhok Phathan Formation of Millde Siwaliks, Norther Pakistan, *Biologia (Pakistan)* 59(2): 245-249.
- Khan, M.A., Iqbal, M., Nayyer A.Q., Sulehria, A.Q.K., Tabassum, F. & Akhtar, M. 2013. Some New remains of Bovini from the Pinjor Formation Khural Sharif (Pleistocene) of the Upper Siwaliks, Pakistan, *Biologia (Pakistan)* 59(2): 267-273.
- Aftab.,K., Ahmad, 1, Khan, M.A., & Akhtar, M. 2013. New remains of *Giraffa Priscilla* from Parrhwaia Chinji Formation, Northern Pakistan. *Biologia Pakistan* 59 (2), 233-238
- Khan, M. A., Akhtar, M. & Ammara Irum, 2014. *Bramatherium* (Artiodactyla, Ruminantia, Giraffidae) from the Middle Siwaliks of Hasnot, Pakistan: biostratigraphy and palaeoecology, *Turkish Journal of Earth Sciences*. Vol 23, pp 308-320.
- Khan, M.A., Iqbal, M., Nayyer A.Q., Sulehria, A.Q.K., Tabassurn, F. & Akhtar, M. 2013. Some New remains of Bovini from the Pinjor Formation Khural Sharif (Pleistocene) of the Upper Siwaliks, Pakistan, *Biologia (Pakistan)* 59(2): 267-273.
- Khan, M.A., Ali, S. Iqbal, .1. & Akhtar M. 2014. Some New Remains of Hipparionine (Equidae: Mammalia) from Dhok Pathan Upper Miocene, Northern Pakistan: *Pakistan J. Zool.*, 46(2) pp, 347354.
- Khan, M.A., Ali, S. Iqbal, I. & Akhtar M. 2014. Some New Remains of *Tragoportax* (Boselaphini: Bovidae: Mammalia) from Middle Siwaliks of Dhok Pathan, Northern Pakistan: *Pakistan J. Zool.*, 46(2) pp. 463-470.

Conferences, Seminars and Workshops, etc. Prof.

Dr. Javed Iqbal Qazi

- Was invited and Acted as Guest Judge in Biotech Exhibition 2013 1st Women Inter Collegiate and University Science Model and Poster Competition on "Impact of Biotechnology in today's world" held on March, 12th 2013, at Department of Biotechnology, Bushra Mateen Building. Lahore College for Women University, Lahore.
- Acted as Chairman during Academic Session of 33rd Pakistan Congress of Zoology (International) Pakistan Museum of Natural History, Islamabad and PMAS Arid Agriculture University, Rawalpindi held on April 2-4, 2013.
- Participated as member in National curriculum revision committee final meeting in zoology, held on April 8-10, 2013 at HEC regional center, Peshawar.
- Organized seminar on Dangué: virology and pathogenesis for which Dr. Abdul Hague, Deputy Chief Scientist NIBGE was invited as guest speaker on 27.03.2013.



- Acted as Chair of session: Bioremediation & Risk Assessment on 24.04.2013 in International Conference on "Biotechnology: Prospects & Challenges in Agriculture, Industry, Health and Environment" from April 22-26, 2013, NIBGE, Faisalabad, Pakistan.
 - Was invited and Addressed to launching ceremony of the book "Ecosystem of Pakistan volume 2" by Z.B. Mirza by Government of Pakistan, Ministry of National Heritage and Integration, Urdu Science Board 299- Upper Mall, Lahore on 28.08.2013 at F.C. College Gulburg, Lahore.
 - Acted as Chair of session: Entomology, Parasitology, Microbiology Session 5 on 08.05.2014 in International Conference on Innovative Biological and Public Health Research (IBPHR-2014), organized by Department of Zoology GC University, Lahore. May 06-08-2014.
 - Participated in International Conference on Innovative Biological and Public Health Research (IBPHR-2014), at Department of Zoology, Government College University, Lahore on May 06.08.2014.
 - Participated in Seminar on Biosafety & Quality Assurance in Microbiology, Saturday 7th June, 2014, Organized by Department of Microbiology, The Children's Hospital & The Institute of Child Health, Lahore.
 - Acted as Coopted Expert to interviews the candidates for post of assistant professor in subject of animal and microbial sciences. School of Biological Sciences, University of the Punjab, Lahore — 54590, Pakistan on May 2&3, 2014.
 - Participated in the Meeting of the Departmental Tenure Track Review Committee (DTRC) at Institute of Agricultural Sciences, University of the Punjab, Lahore on 4th February 2014.
 - Gave a presentation on "Viable production of second and third generation biofuels in Pakistan" in International Conference on Bio-Energy Bio-Hydrogen, Bio-Methane as Alternative Fuel and its Conversion into CNG From Waste Water held on 26-27th August 2014 with collaboration of Lahore Chamber of Commerce & Industry & PCSIR Lahore Held at LCCI Lahore.
 - Participated and gave an invited talk entitled "Scientific perspicacity must not ignore suitable developing countries for production of economically viable second and third generations biofuels" in 2nd International Symposium on Energy Challenges and Mechanics, held at Aberdeen, Scotland, U.K. on 19-21 August, 2014.
 - Participated in the Indigenous on-Campus Training Program for Management Team at University of the Punjab in collaboration with Higher Education Commission on November 17-21, 2014.
 - Participated in the International Conference on Relativistic Astrophysics at Department of Mathematics, University of the Punjab, Lahore-Pakistan, on February 10, 2015.
- Prof. Dr. Muhammad Naeem Khan**
- Global Inland Fisheries Conference, FAO / Michigan State University, Rome, Italy, January 26-30, 2015.



- International Conference on Advances in Agricultural, Biological & Environmental Sciences (AABES-2014), Dubai, UAE, October 15-16, 2014.
- International Fisheries & International Aquaculture Fair "Nor Fishing & Aqua Nor Exhibitions-2014, Trondheim, Norway, Nor Fishing Foundation, August 19-22, 2014.
- World Aquaculture Adelaide 2014, World Aquaculture Society, Adelaide, Australia, June 7-11, 2014.
- 2nd International Mangroves as Fish Habitat Symposium, 2014, Western Division Annual Meeting, "Rethinking Fisheries Sustainability: The Future of Fisheries Science", American Fisheries Society, Mazatlan, Mexico, April, 7-11, 2014.
- International workshop "Building a global model of mangrove fisheries values", Post Western Division Annual Meeting Workshop, American Fisheries Society, Mazatlan, Mexico, April, 12, 2014.
- Lahore Chamber of Commerce & Industry (LCCI) seminar " Achieving Sustainable Economy by fully benefitting from China", LCCI, Lahore, September 4, 2014
- International Conference on Innovative Biological and Public Health Research (IBPHR-2014), department of Zoology, GC University, Lahore, Chaired Session on Fishes, Wildlife & Paleontology, May 06-08, 2014.
- FEEDing Pakistan Aquaculture Conference, Small Trade Show & Scientific Poster Display, American Soybean Association (ASA), Crystal Ball Room, Pearl Continental Hotel, Lahore, April 23, 2014.
- National Conference on Pakistan's Marine Resources: Present Scenario & Futuristic Potential, Sustainable Fisheries & Aquaculture Development in Pakistan, *The Environ Monitor*, Ambassador Hotel, Lahore, March 15, 2014.
- 34th Pakistan Congress of Zoology, (International congress), Zoological Society of Pakistan, Pakistan, BahauddinZakariya University, Maar!, Plenary Lecture, "Review of Fisheries Development in Pakistan, Vision 2020", Session on Fisheries Chaired & Referee Judge, Students Posters Competition, February 25-27, 2014.
- Strategy Meeting for Handbook "Aquaculture Nutrition", (Kevin, Fitzsimons *Ed.*), American Soybean Association (ASA), Pearl Continental Hotel, Lahore, October 3-4, 2013.

Dr. Nabila Roohi

- Proteomic Identification of Molecular Pathogenesis in Polycystic Ovary Syndrome Patients presented a poster at Endo 2013, the 95th Annual Meeting of The Endocrine Society in San Francisco, California from June 15-18, 2013.
- Protein Biomarkers in Identification of Cardiovascular Risk Factors in Hypertensive Prepubertal Children accepted for presentation at Endo 2013, the 95th Annual Meeting of The Endocrine Society in San Francisco, California from June 15-18, 2013.



- Cardiovascular manifestations in pre- and post-menopausal breast cancer patients accepted for presentation at Endo 2013, the 95th Annual Meeting of The Endocrine Society in San Francisco, California from June 15-18, 2013.
- Attended 11th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology held at University of the Punjab from Nov 25-28, 2013. Acted as co-chairperson in oral presentation sessions.

Dr. Abida Butt

- Organizer "Honey bee training course and workshop" 2014 at Department of Zoology, University of the Punjab, Lahore
- 34 Pakistan congress of Zoology (International), Bahauddin Zakriya University, Multan. Poster and paper presented from the lab

Dr. Farah Raul Shakoori

- Attended 24th General The World Academy of Science (TWAS) meeting in Argentina 1- 4 October, (2013).
- 34th Pakistan Congress of Zoology (International) held under the auspices of the Zoological Society of Pakistan at, Bahauddin Zakria university, Multan, February 25-27 (2014) and *Chaired Cell Biology, Molecular Biology, Genetic, Physiology Session*.
- Attended international conference on innovative biological and public health research (IBPHR) held at department of Zoology, Govt. college University, Lahore, May 06-08 (2014).
- National Seminar on "Dengue awareness" September 22-9-2014. Organized by Department of Zoology, University of the Punjab Lahore.

Dr. Najma Shaheen

- Participated in Pakistan Congress of Zoology 2014
- Participated in workshop on the awareness of emerging issues of cancer in Pakistan. 2014.
- Aneela Munir, Ayeha, Sadia Samreen and Najma Shaheen. (2014). Probiotic and cholesterol *reducing* potential of enterococcus spp. Isolated from horses. Presented at International conference on advances in parasitology and public health

Research Journals Prof.

Dr. Javed Iqbal Qazi

- Editor, Punjab University Journal of Zoology
- Member, Advisory Board, Pakistan Journal of Zoology.
- Member, Editorial Board, Pakistan Journal of Molecular Medicine

Research Collaboration

Indigenous

Prof. Dr. Javed Iqbal Qazi



- Evaluated and conducted viva voce examination of M.Phil Thesis "Teratological effects of cypermethrin with co-treatment of vitamin E enriched with olive oil in chick" of Mr. Kamran Shehry, Department of Biological Sciences, University of Sargodha. Sargodha. Pakistan, March 08. 2013.
- Evaluated and conducted viva voce examination of M.S. Thesis "Cloning and expression of C-terminally truncated CryI Ac gene of *Bacillus thuringiensis*" of Ms. Rubina Mushtaq, School of Biological Sciences, University of the Punjab, Lahore. Pakistan, May 28. 2013.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Assessment of Parathyroid and Adrenal Functions following treatment with selenium and ascorbic acid in Hexavalent chromium treated Laboratory Rats" of Ms. Kanwal Fatima, Department of Animal Sciences, Faculty of Biological Sciences, Quaid-e-Azam University, Islamabad, on 16-08-2013.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Cell Culture Contaminant, Member of Alpha Proteobacteria" of Mr. Muhammad Tahir Asghar, School of Biological Sciences, University of the Punjab, Lahore, Pakistan, on 27.08.2013.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Biochemical And Molecular Characterization of Extended Spectrum Beta-lactamases (ESBL) Producing Enterobacteria Isolated From Clinical Samples" of Mr. Muhammad Asif Habib, Department of Biotechnology (NIBGE) Pakistan Institute of engineering and Applied Sciences, Nilore-45650 Islamabad, Pakistan on 11-09-2013
- Evaluated examination of M.Phil Thesis "Endemicity of Malarial parasite in blood of Karachi people and control of its vector by phyto-pesticides" of Ms. Rabia Faiz, Department of Zoology, University of Karachi, Karachi-75270, Pakistan. 23-10-2013.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Morphometric characterization of *Apis dorsata* honey bee species of districts Nankana, Narowal and Sialkot" of Ms. Iram Nasir, Department of Wildlife and Fisheries, G.C. University, Faisalabad. 08.10.2013.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Molecular characterization of *Apis dorsata* honey bee species from district Nankana and Narowal by using rapd marker technique" of Ms. Um-e-Habiba Zafar, Department of Wildlife and Fisheries, G.C. University, Faisalabad. 08.10.2013.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Molecular characterization of chromosomal and extrachromosomal elements related to drug resistance against *Salmonella enteric* serovar Typhi isolates from Pakistan" of Ms. Amna Afzal, School of Biotechnology, National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad and Quaid-i-Azam University (QAU), Islamabad. 18-11-2013.



- Evaluated and conducted viva voce examination of M.Phil Thesis "Development of multiple mutants of *Corynebacterium glutamicum* for lysine over-production" of Ms. Javaria Nisar, Department of Bioinformatics & Biotechnology, Government College University, Faisalabad. 18-11-2013.
- Evaluated and conducted viva voce examination of M.S. Thesis "Production of cellulose from delignified *Saccharum spontaneum* through *Trichoderma viride*" of Ms. Hira Naeem, Department of Biotechnology, Lahore College for Women University, Lahore. ---11-2013.
- Evaluated and conducted viva voce examination of M.S. Thesis "Production of bioethanol from cellulolytic bacteria of *Odontotermes odesus* and *Odontotermes guptai* employing agro-industrial waste" of Ms. Sana Pervaiz, Department of Biotechnology, Lahore College for Women University, Lahore. ---11-2013.
- Evaluated and conducted viva voce examination of M.S. Thesis "Bioethanol Production potential of *Saccharomyces cerevisiae* by separate hydrolysis and fermentation of delignified *Saccharum spontaneum*" of Ms. Kornai Aftab, Department of Biotechnology, Lahore College for Women University, Lahore. ---11-2013.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Effect of Ethanolic Extract of *Cissus quadrangularis* on Growth Kinetics of Cultured Renal Distal Tubule Epithelial Cells, MDBK" of Ms. Tahira Batool, School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore, Pakistan. on 21.03.2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Transgenic Expression of Insecticidal Toxins under Different Promoters for the Control of Insect Pests" of Mr. Syed Allah Dino Shah, National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan. on 02.04.2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Preparation of polysaccharide-protein conjugates of Vi negative *Salmonella Typhi* as potential candidates for vaccines" of Mr. Muhammad Salman, National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan. on 03.06.2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Molecular studies for regulation and over expression of tylosin from *Streptomyces fradiae* NRRL-2702" of Ms. Shazia Khaliq, National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan. on 09.06.2014.
- Evaluated M.Phil Thesis "Susceptibility of *Leishmania tropicalis* to buparvaquone, miltefosine and glucantime using amastigote-thp-1-j774 in vitro models" of Ms. Anbareen, Department of Zoology, University of Peshawar, Pakistan on 01-07-2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Osteogenic Potential of Herb, *Cissus quadrangularis*: Effect of Ethanolic Extract on Differentiation of Mouse Pre-Osteoblast



Cell Line, MC3T3-E1" of Ms. Raazia Tasadduq, School of Biological Sciences, University of the Punjab, Lahore, Pakistan, on 16.07.2014.

- Evaluated and conducted viva voce examination of M.Phil Thesis "Molecular characterization of Newcastle disease virus by multiplex RT-PCR from chicken" of Ms. Asima Tabassum, Department of Zoology, Wildlife & Fisheries, GC University, Faisalabad, Pakistan, 20.10.2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Molecular diagnosis and prevalence of Brucellosis in N.W.F.P. Pakistan" of Mr. Rashid Mahmood, National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan. School of Biotechnology, Quaid-i-Azam University, Islamabad, Pakistan on 05.12.2014.
- Evaluated and conducted viva voce examination of Ph.D. Thesis "Molecular characterization of virulence genes and drug resistance of local human isolates of Shigella species" of Ms. Aaysha Tariq, National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan and Quaid-e-Azam University, Islamabad, Pakistan on 11.12.2014.
- Evaluated and conducted viva voce examination of M.Phil Thesis "Expression, partial purification of CueR and its transcriptional control in the presence of silver in Klebsiella Pneumoniae" of Ms. Madiha Shad, School of Biological Sciences, University of the Punjab, Lahore, Pakistan on 23.01.2015.

Dr. Nabila Roohi

- Institute of Nuclear Medicine and Oncology, Lahore (INMOL)
- University of Veterinary and Animal Sciences (UVAS), Lahore Campus
- University of Veterinary and Animal Sciences (UVAS), Pattoki Campus

Dr. Farah Rauf Shakoori

- Collaboration with School of Biological Sciences University of the Punjab Lahore.
 - Collaboration with Government College University Lahore.

Foreign Linkages

Dr. Farah Rauf Shakoori

Dr. Najma Shaheen

- Dr Muhammad Iqbal, Director Foot and Mouth Research Centre, Ghazi Road, Lahore

Funding grants for R&D

Dr. Nabila Roohi Mentioned in

Dr. Nadeem Sheikh

- Local Coordinator in Pakistan for EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and *Training in South and South-East Asia* the Georg-August University, Goettingen, Germany



- Local Coordinator in Pakistan for EXPERTS III, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.

INSTITUTE OF AGRICULTURAL SCIENCES

R&D – An Overview

Institute of Agricultural Sciences has made tremendous achievements in the field of Research and Development, while producing virus resistant cotton plants. At present plants are under field trials, sample analyses of transgenics confirmed the presence of desired construct in the transformants. Agrobacterium inoculation of two heterologous viruses showed resistance from the transgenics. Resistant cotton germplasm against CLCV has been developed and passed to strict standards and Lab scale mass production is successively in progress. The technique of mass production is under discussions with private sector for commercialization.

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. To meet the global standards of R&D 05 MSc (Hons) and 2 PhD are engaged on academic and applied aspects

○ **Projects**

(i) Completed

Dr. M. Saleem Haider, Professor & Director

- 2012-13, entitled “Diversity of endosymbiotic bacteria associated with *Bemisia tabaci* from Pakistan” awarded by the University of the Punjab Lahore.

Dr. Salik Nawaz Khan, Assistant Professor

- 2012-13, entitled “Morphological and ecological characterization of entomopathogenic fungi associated with field crops insects in central and southern Punjab” awarded by the University of the Punjab Lahore.

Dr. Tehmina Anjum, Assistant Professor

- 2012-13, entitled “Use of extracts from local medicinal trees to control *Alternaria* leaf spot of tomato” awarded by the University of the Punjab Lahore.

Dr. Arshad Javaid, Assistant Professor

- 2012-13, entitled “Management of Fusarium Wilt of Tomato by *Trichoderma* and *Raphanus sativus*” awarded by the University of the Punjab Lahore.

Dr. Amna Shoaib, Assistant Professor

- 2012-13, entitled “Impact of heavy metal on severity of charcoal rot of mash bean” awarded by the University of the Punjab Lahore.



Dr. Uzma Bashir, Assistant Professor

- 2012-13, entitled “Phenotypic, Biochemical and Physiological characterization of bacterial strains” awarded by the University of the Punjab Lahore.

Dr. Shazia Shafique, Assistant Professor

- 2012-13, entitled “Defense response of selected Eucalyptus species against *Fusarium oxysporum* – cause of wilt in chili” awarded by the University of the Punjab Lahore.

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 Ashfaq, Assistant Professor

- 2012-13, entitled “Breeding for micronutrients improvement in rice (*Oryza sativa* L.) for better human health” awarded by the University of the Punjab Lahore.
- 2012-13, entitled “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. Rashid Mahmood, Assistant Professor

- 2012-13, entitled “Influence of crude weed extracts on charcoal rot of sunflower and soil beneficial microflora” awarded by the University of the Punjab Lahore.

Dr. Muhammad Bilal Chattha, Assistant Professor

- 2012-13, entitled “Improving the Germinability and Vigor Enhancement of Sunflower (*Helianthus annuus* L.) Hybrid Seed under Varying Temperatures through Seed Priming” funded by Higher Education Commission of Pakistan.
- 2012-13, entitled “Improving the Germinability and Vigor Enhancement of Maize (*Zea mays* L.) Hybrid Seed under Varying Temperatures through Seed Priming” worth PKR.0.15 million during 2012-13 funded by University of the Punjab, Lahore.

Dr. Shinawar Waseem Ali, Assistant Professor

- 2012-13, entitled “Characterization of Fungal microbiota on Rice grains in Local Markets of Lahore” awarded by the University of the Punjab Lahore.

Dr. Malik Fiaz Hussain Ferdosi, Assistant Professor

- 2012-13, entitled “Impact of seed priming to enhance germination, seedling vigor and to exploit enzyme activity in *Salvia splendens*” awarded by the University of the Punjab Lahore.



Dr. Asad Shabbir, Assistant Professor

- 2012-13, entitled “Predictive modeling for future selection and spread of the biological control agents of parthenium weed in Pakistan” awarded by the University of the Punjab Lahore.

Dr. Naureen Akhtar, Assistant Professor

- 2012-13, entitled “Kinetic analysis of net nitrate transport in various isolates of *Aspervillus nidulans*” awarded by the University of the Punjab Lahore.

Dr. Shahbaz Ahmad, Assistant Professor

- 2012-13, entitled “Sustainable management of Dengue in District Lahore, Pakistan” awarded by the University of the Punjab Lahore.

Dr. Muhammad Nasir Subhani, Assistant Professor

- 2012-13, entitled “Bioefficacy of fungicides, bio-control agents and botanicals against anthracnose of Chilies incited by *Colletotricum capsici*” awarded by the University of the Punjab Lahore.

Dr. Nasir Ahmed, Assistant Professor

- 2012-13, entitled “Effect of glucose syrup production by the action of locally produced thermostable amylase” awarded by the University of the Punjab Lahore.

Dr. Zaheer Hussain, Assistant Professor

- 2012-13, entitled “Molecular characterization of foot and mouth diseases virus in Pakistan” awarded by the University of the Punjab Lahore.

Dr. Sajid Ali, Assistant Professor

- 2012-13, entitled “Light interception affects the concentration of polyphenols in Fennel (*Foeniculum vulgare* L.)” awarded by the University of the Punjab Lahore.

Dr. Muhammad Ali, Assistant Professor

- 2012-13, entitled “The relationship of bio-chemical and phsiomorphological characters of brinjal (*Solanum melongena* L.) with its resistance against Jassid (*Amrasca biguttula biguttula* (Ishida) in Pakistan” awarded by the University of the Punjab Lahore.

Dr. Muhammad Ali, Assistant Professor

- 2012-13, entitled “The relationship of bio-chemical and phsiomorphological characters of brinjal (*Solanum melongena* L.) with its resistance against Jassid (*Amrasca biguttula biguttula* (Ishida) in Pakistan” awarded by the University of the Punjab Lahore.

Ms. Zill-e-Huma Bilal, Lecturer

- 2012-13, entitled “Investigation on antimicrobial potential of *Datura stramonium* L.” awarded by the University of the Punjab Lahore.



Ms. Sana Hanif, Lecturer

- 2012-13, entitled “Screening of Bacterial Bioagents for their ability to induce cold stress tolerance in Tomato (*Lycopersicon esculentum* Mill)” awarded by the University of the Punjab Lahore.

Mr. Muhammad Shafiq, Lecturer

- 2012-13, entitled “Diversity and molecular characterization of psyllid insects and candidatus liberibacter causing citrus Huanglongbing in Pakistan” awarded by the University of the Punjab Lahore.

Mr. Adnan Zahid, Lecturer

- 2012-13, entitled “Adaptation of sustainable approaches to raise the productivity of the wheat (*Triticum aestivum* L.) at the small farmers field of irrigated areas” awarded by the University of the Punjab Lahore.

Ms. Mehreen Hassan, Lecturer

- 2012-13, entitled “Developing software application for finding Tree Crop combination in Agroforestry” awarded by the University of the Punjab Lahore.

Moazzam Anees, Lecturer

- 2012-13, entitled “Comparison between the vertical and open field cultivation of vegetables under the agro-climatic conditions of Lahore” awarded by the University of the Punjab Lahore.

(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).
- 2013-14, entitled “Molecular and biological characterization of begomoviruses and/or associated DNA-satellites from the vicinity of University of the Punjab, Lahore, Pakistan” Awarded by University of the Punjab.

Dr. Tehmina Anjum, Assistant Professor

- 2013-14, entitled “Management of bacterial wilt of tomato by using native PGPR bacterial strains” Awarded by University of the Punjab

Dr. Arshad Javaid, Assistant Professor

- Title: Biological Control of Charcoal Rot of Mungbean by *Trichoderma* and *Sisymbrium irio*. Awarded by Punjab University Lahore. Rs. 150000/-
- 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. Dr. Amna Shaoib, Assistant Professor

- 2013-14, entitled “Effect of chromium on growth and physiology of *Lycopersicum esculentum* Fusarium Wilt” Awarded by University of the Punjab.
- 2013-14, entitled “Strengthening of Molecular Plant Pathology and Physiology Lab.” in the Institute of Agricultural Sciences, University of the Punjab. by Punjab University.

Dr. Uzma Bashir, Assistant Professor

- 2013-14 entitled “Antifungal activity of Some Tree plants Against *Fusarium Solani* and molecular characterization of Pathogen”. Awarded by University of the Punjab, Lahore, Pakistan.

Dr. Shazia Shafique, Assistant Professor

- 2013-14. Defense response of selected Eucalyptus species against black spot pathogen of *Pisum sativum*. Awarded by University of the Punjab, Lahore, Pakistan.

Dr. Sobiya Shafique, Assistant Professor

- 2013-14, entitled “Protective potential of *Alstonia scholaris* for the management of charcoal rot of *Vigna unguiculata* L. Walp” awarded by the University of the Punjab Lahore.

Dr. Muhammad Ashfaq, Assistant Professor

- 2013-14. Breeding for homozygous resistant populations against rice grain discoloration disease Awarded by University of the Punjab, Lahore, Pakistan.

Dr. Muhammad Bilal Chattha, Assistant Professor

- 2013-14, entitled “Physio-agronomic response of spring maize (*Zea mays* L.) to foliar application of plant growth promoting substances” funded by University of the Punjab, Lahore.
- 2013-14, entitled “Evaluation of Different Irrigation Schedule and Nitrogen Fertigation Levels for Improving Water Use Efficiency under Various Crops.” worth PKR.3.048 million during 2014-15 funded by Water Management Training and Research Institute, Punjab, Lahore.

Dr. Muhammad Nasir Subhani, Assistant Professor

- 2013-14: entitled “In vitro efficacy of fungicides, and botanicals against red rot of sugarcane incited by *Colletotricum falcatum*” awarded by University of the Punjab, Lahore.

Dr. Sajid Ali, Assistant Professor

- 2013-14, entitled “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).

Dr. Zaheer Hussain, Assistant Professor



- 2013-14, entitled “Validation of Fluorescent Antibody Test, RT-PCR and Mice Inoculation Test for Diagnosis of Rabies in Pakistan” Awarded by (proposed to University of the Punjab).

Mr. Muhammad Shafiq, Lecturer

- Co-Principal Investigator of project entitled “Haunglongbing in Pakistan” funded by HEC

Ms. Qurat-ul-Ain Farooq, Lecturer

- A comparative study on germination and early stand establishment of French Marigold (*Tegetes patula*) and African Marigold (*Tagetes erecta*) seeds by inducing physiological and chemical changes through seed priming

Mr. Hafiz Azhar Ali, Lecturer

- 2013-14, entitled “Screening of Bacterial Bioagents for their ability to induce cold stress tolerance in Tomato (*Lycopersicon esculentum* Mill)” awarded by the University of the Punjab Lahore.

Mr. Moazzam Anees, Lecturer

- 2013-14, entitled “Effect of salinity on the vegetative growth behavior of citrus cv. Kinnow mandarin (*Citrus reticulata* Blanco)” awarded by the University of the Punjab, Lahore

○ **Publications**

Books, Chapters/Edited

Dr. Salik Nawaz Khan, Assistant Professor

- Sumera Naz*, **Salik Nawaz Khan**, Fenugreek Agronomy from the Perspective of Production and postharvest constraints (2014). In Fenugreek (*Trigonella foenum-graecum* L): A multipurpose crop with great potential for sustainable agriculture in Africa.
 - Sumera Naz*, **Salik Nawaz Khan**, Shumaila Farooq, Justina Jane Tahira (2014) **Chapter 11 *Curcuma longa* L.: Medicinal, Pharmaceutical and Nutraceutical Properties**
- Conferences, Seminars and Workshops, etc.**

Dr. M. Saleem Haider, Professor & Director

- Attended and presented paper on “Are we heading towards the third epidemic in cotton: Past, present and future consequences? OR Cotton serving as a melting pot or geminiviruses” in the XIVth International Congress of Bacteriology and Applied Microbiology; XVIth International Congress of Mycology and Eukaryotic Microbiology; and XVth International Congress of Virology, held from 27th July to 1st August 2014 at Montreal, Canada.
- Participated in ‘World Mango Conference & Exhibition’, held on 24-25 June 2014 at University College of Agriculture & Environmental Sciences, Islamia University, Bahawalpur.



- Attended a seminar on “Genomic-assisted plant breeding approaches – An emerging paradigm for crop improvement” delivered by Dr. Javed Iqbal, Centre of Excellence in Molecular Biology (CEMB) on 12th June 2014.
- Participated in the seminar on “Effect of global warming on agriculture” by Mr. Haroon Akram Gill, Climate Leader, Climate Reality Project, USA, held on Thursday, 29th May 2014 in the IAGS.
- Attended a training workshop on “Self esteem & fear of failure” organized by the Career Counseling & Placement Centre, University of the Punjab, held on 15.05.2014 at IAGS.
- Presented a paper “Whitefly: Vector of begomoviruses and its management”, in the workshop ‘The development and testing of transgenic for cotton leaf curl virus (CLCuV) disease resistance’, held at CEMB on 18-19 March 2014.
- Participated in International Conference of Pakistan Phytopathological Society “Climate Change and Plant Diseases: Challenges and Opportunities”, held from 23-25 January, 2014 at University of Karachi, Karachi.
- Attended and presented paper on “Characterization of begomoviruses isolated from a weed *Sonchus oleraceus* (Sowthistle) from Pakistan” in 7th International Geminivirus Symposium & 5th International ssDNA Comparative Virology Workshop, held at Hangzhou, China, from 3-9 November 2013.
- Attended “11th Biennial Conference on “Molecular Biosciences – Challenges and Opportunities”, held on 25-28 November 2013 at Faisal Auditorium, University of the Punjab, Lahore, under the auspices of Pakistan Society for Biochemistry and Molecular Biology.
- Attended the Training Workshop on “Trade in Services”, held on 8th October 2013 at Pearl Continental Hotel, Lahore under the auspices of Pakistan Institute of Trade and Development (PITAD), Ministry of Commerce, Islamabad.

Dr. Salik Nawaz Khan, Assistant Professor

- Varietal susceptibility of commercial mango germplasm against toxins of *Laciodiplodia theobromae* associated with quick decline Mango. IAAST 2014 International Conference Program 2014 Bali (Indonesia) International Conference on Agriculture, Biology and Environmental Sciences (ICABES'14)
- **Salik Nawaz Khan**, Shumaila Farooq, Umar Khalid. First Report on Fungi Associated with Postharvest Quality Deterioration of *Fragaria X annasa* (Strawberry) at Green Markets of Lahore. 4th international and 13th national conferences of botany august 27-30 2014 Shaheed Benazir Bhutto university
- **Salik Nawaz Khan***, Sumera Naz, Ghulam Mohy-Ud-Din ‘ Shumaila Farooq, Muhammad Najeeb Ullah’ 2014. “Fungicidal activity of aromatic medicinal plants against *Myrothecium roridum* Tode associated with Myrothecium leaf spot disease of *Momordica charantia* L. (bitter gourd)” 4th



International conference of Pakistan phytopathological society on climate change and plant disease challenges and opportunities. January 23-24 2014 University of Karachi

- **Salik Nawaz Khan** Shumaila Farooq Makshoof Athar Sumera Naz (2014) Pathogenic and cultural variation of *Macrophomina phaseolina* Tassi Goid associated with Monsoon humidity stress against oil seed crops. International conference on Asian Monsoon and climate change. January 20-21 2014. COMSATS Islamabad Pakistan

Dr. Tehmina Anjum, Assistant Professor

- Presented oral paper entitled “Detoxification of mycotoxins in maize samples using plant extracts” in the 5th Global Summit on Medicinal and Aromatic Plants, December 8 – 12, 2013. Universiti Teknologi Mara, Miri, Malaysia. Page # 155.
- Participated in one day seminar on “World Forest Day” on March 21, 2014 at Jallo Forest Park, Lahore, Organized by Punjab Forest Department.
- Participated in two-Day workshop on “Mixed Methods Research” on February 19 – 20, 2014. Organized by University of Lahore and Institute of Research Promotion Lahore.
- Organizer and poster presented on “Induction of systemic resistance in tomato against Fusarium wilt by Bacillus strains” in “International conference on stress biology and biotechnology – challenges and management”, In Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan between May 21 – 23, 2014. Page # 84.
- Presented oral paper entitled “Cellular defence induction in tomato by Bacillus strains in Fusarium wilt” in the International conference on plant physiology 2014 “Enhancing strategic plant physiological research and technologies for sustainable resources”, August 26 – 28, 2014. Malaysian Society of Plant Physiology, Bali, Indonesia.

Dr. Arshad Javaid, Assistant Professor

- **Javaid A**, Niaz L, Shoaib A (2013). Management of basal rot of onion by *Coronopus didymus*. International Conference on Agriculture and Biotechnology, December 29-30, 2013, Hotel Royal Kuala Lumpur, **Malaysia**.
- **Javaid A**, Jabeen K, Athar M, Ahmed E (2014). Management of *Ascochyta rabiei* by natural antifungal compounds of *Melia azedarach*. In: International Conference of Pakistan Phytopathological Society, Climate Change and Plant Diseases: Challenges and Opportunities. January 23-25, 2014, University of Karachi, Karachi.
- **Javaid A**, Khan IH (2014). Management of collar rot disease of chickpea by leaves of *Azadirachta indica*. In: International Conference on Stress Biology and Biotechnology: Challenges and Management. May 21-23, 2014, University of the Punjab Lahore, Pakistan.
- **Javaid A**, Bashir A (2014). Radish extracts as natural fungicides for management of *Fusarium oxysporum* f. sp. *lycopersici*, the cause of tomato wilt. In: 4th International and 13th National



conference of Pakistan Botanical Society. August 27-30, 2014, Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa Pakistan.

- **Javaid A**, Khan IH (2014). Chemical control of collar rot disease of chickpea. In: 4th International and 13th National conference of Pakistan Botanical Society. August 27-30, 2014, Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa Pakistan.
- **Javaid A**, Khan IH (2014). Use of natural resources for management of basal rot of onion. In: International Conference of Plant Sciences, 22 to 24 September, 2014, GC University, Lahore, Pakistan.

Dr. Amna Shoaib, Assistant Professor

- Identification and characterization of aflatoxigenic and non-aflatoxigenic strains of *Aspergillus* section *Flavi*: A nasty pathogen. 2014 the 3rd Asia-Pacific International Congress on Engineering & Natural Sciences 15-18 August, 2014. SINGAPORE.
- A. Shoaib, Sidrah S. and Rashid M. Effect of copper on *Fusarium* wilt of tomato and biological disease management. International Conference on Stress Biology and Biotechnology Challenges & Management 21-23 May, 2014 at the Institute of Agricultural Sciences, University of the Punjab. Lahore. PAKISTAN.
- A. Shoaib, Sidrah S. and Rashid M. Effect of farm yard manure on copper uptake in tomato. First International Conference on Applied, Chemical, Biological and Aquatic Sciences (ICACBAS 2014), 18-20 February, 2014 in GC University, Faisalabad, PAKISTAN.
- S. Akhtar, Shoaib A. and Akhtar N. Simultaneous effect of charcoal rots pathogen and copper on seed and seedling growth of mashbean. DAAD-HEC International Summer Scholl "Food Security in Times of Climate Change", 2-5 November, 2013 hosted by the Department of Biosciences COMSAT Institute of Information Technology. Islamabad. PAKISTAN.

Dr. Uzma Bashir, Assistant Professor

- **Uzma Bashir** 2014. Evaluation of fungitoxic effects of *Ageratum conyzoides* Linn. 543-547. Published in Proceedings International Science Conference, Prague, Czech Republic, July 10-11, 2014
- **Uzma Bashir** 2014. Control of Phytopathogenic Bacteria by the use of plant extracts of *Solanum nigrum* L. 164-168. Published in Proceedings of International conference of beneficial microbes, Penang, Malaysia (ICOBM), May 27-29, 2014
- **Uzma Bashir** 2014 International conference of Pakistan Phytopathological society; "climate change and plant disease: challenges and opportunities" University of Karachi, Karachi, Pakistan. Participated with Poster Presentation. January 23-25, 2014



- **Uzma Bashir** 2014 First international conference on applied chemical, biological and aquatic sciences. GC University, Faisalabad, Pakistan. Participated with Poster Presentation. February 18-20,2014
- **Uzma Bashir** 2014 International conference on stress biology and biotechnology: challenges and management, Institute of agricultural sciences, university of the Punjab, Lahore, Pakistan. May 21-23,2014

Dr. Shazia Shafique, Assistant Professor

- **Shazia Shafique**, 2014. Efficacy of *Parthenium hysterophorus* for subduing the cause of *Fusarium* wilt in potato. In: International Conference on Plant Physiology. 26-28 August, 2014. Discovery Kartika Plaza Hotel, Bali, Indonesia.
- Aqeel Ahmad, **Shazia Shafique**, Megan M. Dewdney and Sobiya Shafique, 2014. Induction of systemic resistance in tomato against *Alternaria alternata* using *Penicillium oxalicum*. In symposium on Posters and Pastries Research Gallery of Citrus Research and Education Center. 28 March, 2014, Ben Hill Griffin Jr. Citrus Hall, Florida, USA.
- **Shazia Shafique**, Sobiya Shafique and Aqeel Ahmad, 2014. Molecular basis of antifungal resistance in tomato varieties. In: International Conference on Stress Biology and Biotechnology Challenges and Management. 21-23 May, 2014, IAGS, University of the Punjab, Lahore, Pakistan. p 40.
- **Two Day Workshop on Mixed Methods Research**, February, 19-20, 2014 at University of the Lahore.
- **One day seminar and walk on World Forest Day**. March, 21, 2014 at Jallo Forest Park, Lahore. Punjab Forest Department, Lahore, Pakistan.
- Muhammad Asif, **Shazia Shafique** and Sobiya Shafique, 2013. Biocontrol potential of *Eucalyptus citriodora* against *Fusarium* wilt of chilli. In: International Conference of "DAAD-HEC International Summer School, Food security in Times of Climate Change" 2 – 5 Nov, 2013. Department of Biosciences, COMSATS Institute of Information Technology (CIIT), Islamabad, Pakistan. p 59.

Dr. Sobiya Shafique, Assistant Professor

- **Sobiya Shafique**, 2014. Exclusive potential of *Tagetes erectus* for the management of *Alternaria* diseases of tomato. In: International Conference on Plant Physiology. 26-28 August, 2014. Discovery Kartika Plaza Hotel, Bali, Indonesia.
- **Sobiya Shafique**, Shazia Shafique and Aqeel Ahmad, 2014. Ecofriendly response if citrus peels to *Alteria* tomato leaf spot. In: International Conference on Stress Biology and Biotechnology



Challenges and Management. 21-23 May, 2014, IAGS, University of the Punjab, Lahore, Pakistan. p 74.

- Aqeel Ahmad, Shazia Shafique, Megan M. Dewdney and **Sobiya Shafique**, 2014. Induction of systemic resistance in tomato against *Alternaria alternata* using *Penicillium oxalicum*. In symposium on Posters and Pastries Research Gallery of Citrus Research and Education Center. 28 March, 2014, Ben Hill Griffin Jr. Citrus Hall, Florida, USA.
- **Two Day Workshop on Mixed Methods Research**, February, 19-20, 2014 at University of the Lahore.
- **One day seminar and walk on Word Forest Day**. March, 21, 2014 at Jallo Forest Park, Lahore. Punjab Forest Department, Lahore, Pakistan.

Dr. Muhammad Ashfaq, Assistant Professor

- Attended International workshop on “Borlaug Global Rust Initiative (BGRI) Program,, held in Obregon, Mexico 22-25 March, 2014 funded by University of the Punjab, Lahore.
- Attended International conference on “ Borlaug Summit on Wheat for food security,, held in Obregon, Mexico 22-28 March, 2014 funded by University of the Punjab, Lahore.
- Attended International Conference on “Stress Biology and Biotechnology: Challenges & Management,, Organized by: Institute of Agricultural Sciences, University of the Punjab, Lahore. May 21-23, 2014.

Dr. Muhammad Bilal Chattha, Assistant Professor

- Participated and presented research paper in the 5th International Conference on Agriculture, Food Security & Climate Change, September 09-11, 2014, at The University of Poonch, Rawalakot, Azad Jammu & Kahsmir.
- Participated and presented research paper in the International Conference on Stress Biology and Biotechnology Challenges and Management, May 21-23, 2014, at University of the Punjab, Lahore, Pakistan.
- Participated in the International Symposium on Strategies For Overcoming Food Security Problems Through Utilization of Rain-Fed Areas, March 26-28, 2014, at University of Sargodha, Sargodha, Pakistan.
- Participated in the International Conference on Recent Development in Human Nutrition, March 19-20, 2014, at Pearl Continental Hotel, Lahore, Pakistan.
- Participated and presented research paper in the 2nd International Conference on “Emerging Horizons of Agricultural Extension for Sustainable Rural Development, February 27-28, 2014, at University of Agriculture, Faisalabad, Pakistan.



- Participated and presented research paper in the 2nd International Conference on Global Environmental Changes, February 25-26, 2014, at Government College University, Faisalabad, Pakistan.
- Participated in the International Conference of Pakistan Phytopathological Society “Climate Change and Plant Diseases: Challenges and Opportunities”, January 23-25, 2014, at University of the Karachi, Karachi, Pakistan.
- Participated in the International Seminar on Climate Change Adaptation Strategies to Ensure Food Security, Jan 16-17, 2014, at University of Agriculture, Faisalabad, Pakistan.
- Participated in the one day First National Seminar of Pakistan Allelopathy Society on Allelopathy Research in Pakistan: Experiences and Opportunities held on December 12, 2013 at University of Agriculture, Faisalabad.
- Attended 1-Day Workshop on Research Methodology at School of Physical Sciences, University of the Punjab, Lahore during December, 2013.
- Participated in the DAAD-HEC International Summer School, “Food Security in Times of Climate Change” November 02-05, 2013 at Department of Biosciences, COMSATS Institute of Information Technology, Islamabad, Pakistan.
- Attended 2- Days Workshop on Gas Chromatography at School of Physical Sciences, University of the Punjab, Lahore during May, 2014.
- Participated in 4-Day International workshop on Biochar in Pakistan: Opportunities and Potential” held at University of Agriculture, Faisalabad, Pakistan during March, 2014.
- Attended 1-Day workshop titled “Agronomic, Socio-economic and Policy perspectives on Biochar and C-Market” held in the University of Agriculture, Faisalabad, Pakistan on May 12, 2014.

Dr. Naureen Akhtar, Assistant Professor

- Studies of residue proximity in the nitrate transporter of *Aspergillus nidulans* by thiol cross-linking technique. International Conference on Beneficial Microbes (ICOBM). May 27-29, 2014 Organised by University Sains Malaysia Penang, Malaysia.
- Substrate specificity of *Aspergillus nidulans* nitrate permeases. 3rd International Conference of Pakistan Phytopathological Society. Climate Change and Plant Diseases Challenges and Opportunities January 23-25, 2014, University of Karachi, Karachi, Pakistan.
- In vivo pathogenicity studies of *Aspergilli* in Lepidopteran model host *Galleria mellonella*. 4th International conference on agriculture and animal science, 23-24 November, 2013. Phuket, Thailand.
- Naureen Akhtar. Relative proximity and helices orientation of the NrtA nitrate transporter. International conference on plant sciences, 22-24 September, 2014, GC University, Lahore



- Naureen Akhtar. Inhibition of *Aspergillus nidulans* Nitrate Transporters. International Conference on Stress Biology and Biotechnology: Challenges & Management, May 21-23, 2014. Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Naureen Akhtar. FSEC: a simple, efficient and flexible technique for protein structural studies at 5th Chemistry Conference. 04-06 November, 2013, PINSTECH, Islamabad, Pakistan.

Dr. Muhammad Nasir Subhani, Assistant Professor

- International Conference of Pakistan Phytopathological Society, Climate Change and Plant Diseases, Challenges and Opportunities, University of Karachi, Karachi, Pakistan January 23-25, 2014.
- Participated in the International Symposium on Strategies For Overcoming Food Security Problems Through Utilization of Rain-Fed Areas, at University of Sargodha, Sargodha, Pakistan March 26-28, 2014.
- International Conference on Recent Development in Human Nutrition, March 19-20, 2014, at Pearl Continental Hotel, Lahore, Pakistan.
- International Conference on Stress Biology and Biotechnology, Challenges and Management held in Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan from 21-23, May 2014
- 5th International Conference on “Agriculture, Food security and climate change” held at University of Poonch, Rawalakot September, 09-11, 2014.
- 5th Asian Conference on Plant Pathology (ACPP2014), organized by Div. of Plant Pathology and Microbiology, Deptt. of Agriculture, Bangkok, held at Chiang Mai, Thailand held on November, 03-06, 2014.
- International Conference of Plant Sciences, (ICPS), organized by Department of Botany, GC University, Lahore, held on September, 22-24, 2014.

Dr. Sajid Ali, Assistant Professor

- **Sajid Ali. 2013.** Can post harvest treatments influence the quality and shelf life of tomato? In Abstracts, DAAD-HEC International Summer School “Food Security in Times of Climate Change”. 02-05 Nov. 2013. Department of Biosciences, COMSATS Institute of Information Technology, Islamabad, Pakistan. pp 34.

Dr. Zaheer Hussain, Assistant Professor

- November 25-28, 2013: 11th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology held at institute of biochemistry and biotechnology, university of the Punjab.
- December 17-19, 2013: Diagnosis of Viral Diseases’ NIAB, Faisalabad.



- December 20th to 22nd 2013: 37th Annual Conference of Pakistan Association of Pathologists (PAP) and 2nd Joint Conference of Societies of Pathology, to be held at Pearl Continental Hotel, Lahore
- May 6-8, 2014: International Conference on Innovative Biological and Public Health Research (ibphr-2014) GC, University, Lahore.
- May 21-23, 2014: International Conference on Stress Biology and Biotechnology Challenges & Management at Institute of Agricultural sciences, University of the Punjab, Lahore.
- Sep 9-11, 2014: 5th Int. Conf. on Agriculture, Food Security & Climate Change, Jointly organized by PAS-Forum and University of Poonch, Rawalakot, AJK

Dr. Muhammad Ali, Assistant Professor

- Training Workshop” Writing Scientific papers publications- Showcasing the scientific talent to the world “. Comsats Institute of Information Technology (CIIT), Islamabad. (3-4 June 2014)
- Training Course on “MS Word and Power Point” AHK National Center for Rural Development, (NCRD), Islamabad. Ministry of Education and Training, Government of Pakistan (02-06 December 2013).
- National workshop on” Sustainable and integrated management of insect pests and diseases of crops” at Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad. 24-26, September 2013.
- Training Workshop on “Cotton Leaf Disease (CLCuD) diagnostics& resistance” Institute of Agriculture Sciences,(IAGS) University of the Punjab, Lahore. August 26-28, 2013.
- Two day workshop on the Faculty Professional Training for Core Models: Teaching as a Profession & Communication Skills 19-20, June 2013. Institute of Agriculture Sciences (IAGS), University of The Punjab collaboration with learning innovation division HEC.
- Training Course on “Project Proposal Writing” AHK National Center for Rural Development, Islamabad. Ministry of Education and Training, Government of Pakistan (10-14 December 2012).
- Shahbaz Ahmad, Muhammad Ali and Hafiz Azhar Ali Khan 2014. Studies Methanolic plants extract the Larvae of *Culex quinquefasciatus* (Diptera:Culicidae). Abstracts book International Conference on Innovative Biological and public health research (May 06-08, 2014). pp 49-50.
- Poster presentation “Muhammad Ashfaq, Muhammad Saleem Haider, Muhammad Ali, Amna Ali and Gohar Ayub. Genetic variability analysis of diverse rice germplasm lines under stress condition. Borlaug Summit on wheat for Food Security pp 107 (25-28 March 2014).
- Presented Paper “M. Ali., Ashfaq M., Haider M.S., Ashfaq M. and Anjum F. Bio Chemical characters of eggplant (*Solanum melongena* L.) Leaves and their correlation with the fluctuations of jassid (*Amrasca biguttula biguttula*(Ishida)) populations. Proceeding of XV



EUCARPIA Meeting on Genetics and Breeding of Capsicum and Eggplant 2-4 September 2013, Torino Italy. pp (21-27)

- International congress of Entomology, 6-12 July, 2008: International convention center, Durban, South Africa (Ashfaq, M., M. Ali and W. Akram, 2008. Studies on the control of wheat aphid (*Sitobion avenae*) through bio-pesticides and habitat management. The council for international congresses of Entomology & the Entomological society of southern Africa.pp.39).
- Research Orientation Program “Research Methodology and Analytical techniques” (4th Course) held, 13-17th August, 2007 at University of Agriculture, Faisalabad.
- Participation In 30th Pakistan Congress of Zoology Held In University of Agriculture, Faisalabad (March 2-4, 2010)
- National Seminar on “Developing local food additives/Preservative” 22 November 2012. Institute of Agricultural Sciences. University Of The Punjab Lahore.

Ms. Zill-e-Huma, Lecturer

- 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.

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.

Ms. Qurat-ul-Ain Farooq, Lecturer

- Two days workshop on faculty professional training for the core modules: teaching as a profession & Communication skills
- Attended Workshop on research methodology by ORIC
- Attended training course on planning and management of rural development project
- Attended and presented paper in Annual conference of American Society of Horticultural science 2014 entitled “Characterization of warm season turfgrasses against drought”
- Attended international conference on stress biology and biotechnology challenges and management

Mr. Hafiz Azhar Ali, Lecturer

- Two days workshop on Faculty Professional Training on the core modules: Teaching as a profession & Communication skills organized by Institute of Agricultural Sciences, University of the Punjab, Lahore in collaboration with Learning Innovation Division HEC, Pakistan during June 19-20, 2013.



- Three-day International Conference on “Stress Biology & Biotechnology: Challenges & Management” organized by Punjab University Institute of Agricultural Sciences (IAGS), 21-23 May, 2014.

Mr. Moazzam Anees, Lecturer

- Participation in “International conference on Stress Biology and Biotechnology – Challenges and Management” organized at Institute of Agricultural Sciences, University of the Punjab, Lahore on May 21-23, 2014.
- Anees, M., S. Ali, M.S. Haider, M. Shafiq and F.M. Tahir. 2014. Effect of foliar application of micronutrients on the leaf nutritional status of mango (*Mangifera indica* L.) cv. Dusehri leaves. In Abstracts: World Mango Conference 24-25 June, 2014, CAES, IUB, pp.37.
- Shafiq, M., T. Aslam, F. Ali, M. Anees, M.S. Haider. 2014. The role of plant biotechnology in mango: Achievements, limitations and future directions. In Abstracts: World Mango Conference 24-25 June, 2014, CAES, IUB, pp. 32.
- Ali, S., B. Honermeier, M. Anees and H.A.A. Khan. 2014. Herbicides affect the chlorophyll contents in artichoke leaves (*Cynara cardunculus* L.). In Abstracts: Annu. Meet., ASA, CSSA and SSSA, Long Beach, CA, USA. November, 02-05.
- Seminar on Policy adequacy and awareness on agricultural financing by the representatives of State bank of Pakistan on 3rd October 2013.
- Seminar on Promotion of Kitchen gardening by Dr. Farrukh Javed, Provisional Minister for Agriculture, Government of the Punjab on 1st Nov 2013.
- Seminar on Agricultural adaptation for mitigation impact of climate change by Dr. Shafiq on 16th January 2014.
- Seminar on Importance of color in agriculture by Bin Rasheed (Pvt) Ltd. on 10th April, 2014.
- Seminar on Training workshop on “Self Esteem and Fear of Failure”.
- Seminar on Solution of social problems in the light of Seerat-un-Nabi on February 18, 2014.
- Seminar on Awareness walk and seminar on “International Women’s day” on March 7, 2014.
- Seminar on Revisiting Pakistan’s history on March 3, 2014.
- Seminar on Professional Development Seminars, Career Fair & Entrepreneurship Day at IAS on April 24, 2014.

Research Journals

Dr. M. Saleem Haider, Professor & Director

1. Ashfaq, M., Ali, A., Nawaz, A., Bashir, U., Haider, M.S. and Ali, M. (2014). Isolation and characterization of *Pseudomonas* species associated with tomato wilt. *Biologia (Pakistan)*, **60**(2): 229-234.



2. Ashfaq, M., **Haider, M.S.**, Ali, A., Hanif, S. and Mubashar, U. (2014). Screening of diverse germplasms for genetic studies of drought tolerance in rice (*Oryza sativa* L.). *Caryologia (International Journal of Cytology, Cytosystematics and Cytogenetics)*, **67**(4): 296-304 (**Impact Factor 0.849**).
3. Ashfaq, M., Ali, A., **Haider, M.S.**, Ali, M., Asadullah, Mubashar, U., Mubashar, H., Saleem, I. and Sajjad, M. (2014). Allelopathic Association Between Weeds Extract and Rice (*Oryza sativa* L.) Seedlings. *Journal of Pure & Applied Microbiology*, **8**(2): 573-580. (**Impact Factor: 0.073**)
4. Javaid, A., Akram, W., Shoaib, A., **Haider, M.S.** and Ahmad, A. (2014). ISSR analysis of genetic diversity in *Dalbergia sissoo* in Punjab, Pakistan. *Pak. J. Bot.*, **46**(5): 1573-1576 (**Impact factor: 1.207**).
5. Ali, M., Ashfaq, M., Rana, N., Haider, M.S., Ashfaq, M. and Amjad, M. (2014). The susceptibility study of some aubergine (*Solanum melongena* L.) cultivars against jassid (*Amrasca biguttula biguttula* (ISHIDA)). *Pak. J. Agri. Sci.*, **51**(3): 677-681 (**Impact Factor: 1.24**).
6. Mushtaq, S., Shamim, F., Shafique, M. and **Haider, M.S.** (2014). Effect of whitefly transmitted geminiviruses on the physiology of tomato (*Lycopersicon esculentum* L.) and tobacco (*Nicotiana benthamiana* L.) plants. *Journal of Natural Sciences Research*, **4**(9): 109-118. (**Impact Fator = 5.58**)
7. Ali, A., **Haider, M.S.** and Ashfaq, M. (2014). Effect of culture filtrates of *Trichoderma* spp., on seed germination and seedling growth in chickpea – An *in vitro* study. *Pakistan Journal of Phytopathology*, **26**(01): 01-05.
8. Ashfaq, M., Ali, A., **Haider, M.S.**, Ali, M., Abdullah, M. and Mubashar, U. (2014). A role of weed solvents on seed priming of diverse rice germplasm lines. *Journal of Pure & Applied Microbiology*, **8**(3): 2175-2184. (**Impact Factor = 0.054**)
9. Ashfaq, M., **Haider, M.S.**, Khan, A.S., Ali, M., Ali, A. and Mubashar, U., 2014. Breeding for micronutrient improvements in rice (*Oryza sativa* L.) for better human health. *Journal of Food, Agriculture & Environment*, **12**(2): 365-369. (**Impact Factor = 0.55**)
10. Ali, S., Nadeem, M.A., **Haider, M.S.**, Anees, M., Khan, H.A.A. and Shahbaz, M. (2014). The relative performance of weed control practices in September sown maize (*Zea mays* L.). *Mycopath*, **12**(1): 43-51.
11. Hameed, U., Zia-ur-Rehman, M., Herrmann, H.W., **Haider, M.S.** and Brown, J.K. (2014). First report of Mesta yellow vein mosaic virus, cotton leaf curl Multan betasatellite and cotton leaf curl Multan alphasatellite infecting cotton in Pakistan. *Plant Disease*. First Look <http://dx.doi.org/10.1094/PDIS-10-13-1067-PDN>. (**Impact Factor = 2.3**)
12. Manzoor, M.T., Ilyas, M., Shafiq, M., **Haider, M.S.** and Briddon, R.W. (2013). A distinct strain of chickpea chlorotic dwarf virus (genus *Mastrevirus*, family Geminiviridae) identified in cotton plants affected by leaf curl disease. *Arch. Virol.*, **159**(5): 1217-1221 (**Impact factor: 2.282**)



13. Zia-ur-Rehman, M., Herrmann, H.W., Hameed, U., **Haider, M.S.** and Brown, J.K. (2013). First detection of cotton leaf curl Burewala virus and cognate cotton leaf curl Multan batatasatellite and *Gossypium darwinii* symptomless alphasatellite in symptomatic *Luffa cylindrical* in Pakistan. *Plant Disease*, **97**(8): 1122-1122. <http://dx.doi.org/10.1094/PDIS-12-12-1159-PDN>. (**Impact Factor = 2.3**)
14. Bashir, M.F., **Haider, M.S.**, Rashid, N. and Riaz, S. (2013). Core gene expression and association of genotypes with viral load in HCV infected patients of Punjab, Pakistan. *Trop. J. Pharm. Res*, **12**(3): 335-341 (**Impact factor:0.820**)
15. Bashir, M.F., **Haider, M.S.**, Rashid, N. and Riaz, S. (2013). Association of biochemical markers, hepatitis C virus and diabetes mellitus in Pakistani males. *Trop. J. Pharm. Res.*, **12**(5): 845-850 (**Impact factor:0.820**)

Dr. Salik Nawaz Khan, Assistant Professor

1. Matin A., Jung SYUI., Khan SN. 2014. In vitro assessment of cytokinesis interactions with *balamuthia mandrillaris* using human brain microvascular endothelial cell. *Pak. j. pharm. Sci.* **27**(1) 107-113. (IMPACT FACTOR 1.103)
2. Mukhtar Hussain Shah, Salik Nawaz Khan, Uzma Bashir and Rukhsana Bajwa 2013. Allelopathy of rice: Effect of rice mulching on the growth of *avena sativa*. *Journal of Science technology and development*. **32** (3)197-203
3. Farooq S., **Khan SN.**, Naz S., Mohy-ud-Din A., Khan, A., 2014. Antifungal potential of *Brassica campestris* against *Macrophomina phaseolina*, *Fusarium oxysporum* and *Drechslera australiensis*
4. Naz S., **Khan SN.**, Farooq S., Mohy-ud-din²G., Khan³A., 2014 Herbicidal potential of *azadirachta indica* leaves extract against *Achyraanthus aspera* and *Senna occidentalis*

Dr. Tehmina Anjum, Assistant Professor

1. Waheed Akram, Tehmina Anjum, Aqeel Ahmad and Rabia Moeen. 2014. First report of *Curvularia lunata* causing leaf spots on *Sorghum bicolor* from Pakistan. *Plant Disease*. **98**(7): 1007. (IF: 2.742)
2. Wajeeha Irum, Tehmina Anjum, Mateen Abbas and Abdul Muqet Khan. 2014. Aflatoxins and Ochratoxin A in Maize of Punjab, Pakistan. *Food Additives & Contaminants Part B-Surveillance*. **7**(1): 57 – 62. (IF: 0.914)
3. Rabia Moeen, Waheed Akram and Tehmina Anjum. 2014. Biochemical and molecular basis of resistance in *Sorghum* against *Curvularia* leaf spot disease. *International Journal of Agriculture and Biology*. **16**(5): 917 – 922. (IF: 0.902)
4. Waheed Akram, Tehmina Anjum and Aqeel Ahmad. 2014. Basal susceptibility of tomato varieties against different isolates of *F. oxysporum* f. sp. *Lycopersici*. *International Journal of Agriculture and Biology*. **16**(1):171-176. (IF: 0.902)



5. Tehmina Anjum and Waheed Akram. 2014. First Record of Acremonium wilt in tomato from Pakistan. *Plant Disease*. 98(1): 155. (IF: 2.742)
6. Nosheen Akhtar, Tehmina Anjum and Rasheda Jabeen. 2013. Isolation and identification of storage fungi from citrus sampled from major growing areas of Punjab, Pakistan. *International Journal of Agriculture and Biology*. 15: 1283-1288. (IF: 0.902)
7. Waheed Akram, Tehmina Anjum, Basharat Ali, Aqeel Ahmad. 2013. Screening of native Bacillus strains to induce systemic resistance in tomato plants against Fusarium wilt in split root system and its field applications. *International Journal of Agriculture and Biology*. 15: 1289-1294. (IF: 0.902)

Dr. Arshad Javaid, Assistant Professor

1. Akbar M, **Javaid A** (2013). Prospects of using fungal metabolites for the management of *Rumex dentatus*, a problematic weed of wheat. *International Journal of Agriculture & Biology* 15(6): 1277-1282. [Impact Factor **0.902**]
2. Akbar M, **Javaid A**, Ahmad E, Javed T, Clary J (2014). Holadysenterine, a natural herbicidal constituent from *Drechslera australiensis* for management of *Rumex dentatus*. *Journal of Agricultural and Food Chemistry* 62(2): 368-372. [IF **2.905**]
3. **Javaid A**, Iqbal D (2014). Management of collar rot of bell pepper (*Capsicum annuum* L.) by extracts and dry biomass of *Coronopus didymus* shoot. *Biological Agriculture and Horticulture* 30(3): 164-172. [Impact Factor **0.514**]
4. Nadeem SM, Ahmad M, Zahir ZA, **Javaid A**, Ashraf M (2014). The role of mycorrhizae and plant growth promoting rhizobacteria (PGPR) in improving crop productivity under stressful environments. *Biotechnology Advances* 32: 429-448. [Impact Factor **8.905**]
5. Amin M, Javaid A (2013). Biochemical control of chickpea blight pathogen by methanolic fruit extract of *Syzygium cumini*. *Pakistan Journal of Phytopathology* 25(2): 110-116. [HEC Rec. **Y**]
6. Jabeen N, **Javaid A**, Ahmed E, Sharif A (2014). Management of causal organism of collar rot of bell pepper (*Sclerotium rolfsii*) by organic solvents extracts of *Datura metel* fruit. *Pakistan Journal of Phytopathology* 26(1): 13-18. [HEC Rec. **Y**]
7. **Javaid A**, Afzal L, Bashir A, Shoaib A (2014). *In vitro* screening of *Trichoderma* species against *Macrophomina phaseolina* and *Fusarium oxysporum* f. sp. *lycopersici*. *Pakistan Journal of Phytopathology* 26(1): 37-41. [HEC Rec. **Y**]
8. **Javaid A**, Shoaib A, Bashir U, Akhtar R (2014). Screening of various species of *Aspergillus* for herbicidal activity against parthenium weed. *Pakistan Journal of Weed Science Research* 20(2): 137-144. [HEC Rec. **Y**]
9. Sana N, Bajwa R, **Javaid A**, Shoaib A (2014). Effect of N-fertilizer and farmyard manure on weed competition in rice. *Pakistan Journal of Weed Science Research* 20(2): 167-182. [HEC Rec. **Y**]



10. Javed S, **Javaid A**, Shoaib A (2014). Herbicidal activity of some medicinal plants extracts against *Parthenium hysterophorus* L. *Pakistan Journal of Weed Science Research* 20(3): 279-291. [HEC Rec. Y]

Dr. Amna Shoaib (Amna Javaid), Assistant Professor

1. **A. Shoaib**, Dliferoze A., Khan A., Khurshid S. and Akhtar S. (2014). Effect of fungicides on morphology, physiology and biochemistry of tomato seedlings infected with *Fusarium oxysporum* f. sp. *lycopersici*. *Philippine Agricultural Scientist*, 97(4): 416-421. (IF: 0.368)
2. **A. Shoaib**, Akhtar N., Akhtar S. and Hafeez R. (2014). First report of *Alternaria longipes* causing leaf spot of potato cultivar Sante in Pakistan. *Plant Disease*, 98(12): 1742. (IF: 2.74).
3. S. Akhtar and **Shoaib A.** (2014). Toxic effect of arsenate on germination, early growth and bioaccumulation in wheat (*Triticum aestivum* L.). *Pakistan Journal of Agricultural Sciences*. 51(2): 399-404. (IF: 1.054).
4. **A. Shoaib**, Aslam A. and Aslam N. (2014). Adsorption of Cr(III) ions through efficient and eco-friendly adsorbents. *Journal of Animal and Plant Sciences*, 24(4): 1224-1229. (IF: 0.549)
5. S. Khurshid, **Shoaib A.** and Javaid A. (2014). In vitro toxicity evaluation of culture filtrates of *Fusarium oxysporum* f. sp. *lycopersici* to growth and physiology of tomato under chromium(VI) stress. *Journal of Animal and Plant Sciences*, 24(4): 1241-1245. (IF: 0.549)

Dr. Uzma Bashir, Assistant Professor

1. **Uzma Bashir**, Naureen Akhtar, Sobia Mushtaq 2014. First report of *Alternaria metachromatica* from Pakistan causing leaf spot of tomato. *Pak. J. Agri. Sci.*, 51(2), 305-308. **(Impact Factor 1.24)**
2. Rahila Hafeez, **Uzma Bashir**, Amna Ali and Muhammad Saleem Haider 2014. Determination of Microbial Load Associated with Spoilage of Tomato (*Solanum lycopersicum*) under Storage, *Journal of pure and applied microbiology*, 8(6), 4415-4420 **(Impact factor 0.073)**
3. **Uzma Bashir**, Amna Ali, Naureen Akhtar and Muhammad Saleem Haider. 2014. Isolation and characterization of bacterial species associated with weed plants. *Pak. J. Weed Sci. Res.*, 20(4): 439-447
4. Amna Ali, **Uzma Bashir** and Muhammad Saleem Haider. 2014 Bio-control effect of *Eruca sativa* mill. Oil against the hazardous food borne pathogens. *Pakistan journal Of Phytopathology*. 26 (02) 2014. 181-185
5. Arjumand Iqbal Durrani, Saba Hun Nasar, **Uzma Bashir**, Abdullah Khan Durrani and Aisha Munawar 2014. Preparation, Characterization and Application of Vitamin-E fortified Nanocoatings on Fresh-cut Apples. *Journal of faculty of engineering & technology (JFET)* 21(2)46-59 **Uzma Bashir**, Amna Ali, Naureen Akhtar, Muhammad Saleem Haider 2014. Phenotypic identification and biochemical studies of bacteria associated with rhizospheric soil of ginger (*Zingiber officinale* L.) 26 (02). 175-179



6. **Uzma Bashir**, Sidra Javed and Muhammad Shafique 2012. Investigation of genetic variability among different isolates of *Fusarium solani*. African journal of microbiology Research. 6(24):5168-5172 **(Impact factor 0.533)**
7. **Uzma Bashir** and Justina Jane Tahira 2012. Evaluation of *Eucalyptus camaldulensis* against *Fusarium solani*. International Journal of Agriculture and Biology. 14(4): 675–677 **(Impact factor 0.940)**
8. Sidra Javed and **Uzma Bashir** 2012. Antifungal activity of allelopathic plant extracts of *Ageratum conyzoides* for the management of *Fusarium solani*. African Journal of Biotechnology. 11(49):11022-11029
9. **Uzma Bashir** 2014. Control of Phytopathogenic Bacteria by the use of plant extracts of *Solanum nigrum* L. Proceedings of International conference of beneficial microbes (ICOBM), 164-168
10. **Uzma Bashir** 2014. Evaluation of fungitoxic effects of *Ageratum conyzoides* Linn. International Science conference, 543-547

Dr. Shazia Shafique, Assistant Professor

1. **Shazia Shafique**, Arshad Javaid and Sobiya Shafique, 2013. Management of Littleseed Canarygrass (*Phalaris minor* Retz.) by Extracts and Dry Leaf Biomass of *Parthenium hysterophorus* L.). *Philippine Agricultural Scientist*. 96 (4): 426-431. **(impact factor: 0.368)**
2. **Shazia Shafique**, Aqeel Ahmad, Sobiya Shafique, Tehmina Anjum, Waheed Akram, Zoobia Bashir, 2014. Determination of Molecular and Biochemical Changes in Cotton Plants Mediated by Mealybug. *NJAS - Wageningen Journal of Life Sciences*.): ----- (impact factor: 1.143)
3. Aqeel Ahmed, **Shazia Shafique** and Sobiya Shafique, 2014. Intracellular interactions involved in induced systemic resistance in tomato. *Scientia Horticulturae*. 176: 127-133. (impact factor: 1.504)
4. **Shazia Shafique** and Sobiya Shafique, 2014. Optimization of growth conditions for enhanced cellulase enzyme activity from the wild and improved mutants of *T. viride*. *International Journal of Biology and Biotechnology*. (Accepted)
5. **Shazia Shafique**, Arooj Yousuf and Sobiya Shafique, 2014. Bioefficacy of extract of *Ageratum conyzoides* to control *Drechslera australiensis* and *Drechslera holmii*. *Pakistan Journal of phytopathology* (in press)

Dr. Sobiya Shafique, Assistant Professor

1. Aqeel Ahmed, Sobiya Shafique, **Shazia Shafique** and Waheed Akram, 2014. *Penicillium oxalicum* directed systemic resistance in tomato against *Alternaria alternata*. *Acta Physiologiae Plantarum*. 36 (5): 1231-1240. (impact factor: 1.524)
2. Tahir Mehmood, Sobiya Shafique, **Shazia Shafique** and Zunera Zaheer, 2014. Fungitoxic Potential of *Tagetes erectus* for the Management of *Alternaria alternata* Strains of Tomato. *Pakistan Journal of Botany* 46(3): 1047-1054 (impact factor: 1.207)



3. Aqeel Ahmed, **Sobiya Shafique** and Shazia Shafique, 2014. Molecular basis of antifungal resistance in tomato varieties. *Pakistan Journal of Agricultural Sciences*. 51 (3): 683-687. (impact factor: 1.054)
4. **Sobiya Shafique**, Waheed Akram, Tehmina Anjum, Aqeel Ahmad and **Shazia Shafique**, 2014. Comparative studies on phytochemistry, antibacterial and antifungal properties of *Alstonia scholaris* and *Millettia pinnata*. *Australasian Plant Disease Notes*. 9(1): 1-5.
5. Zoobia Bashir, Aqeel Ahmad, **Sobiya Shafique**, Tehmina Anjum, Shazia Shafique and Waheed Akram, 2013. Hypersensitive response – a biophysical phenomenon of producers. *European Journal of Microbiology and Immunology*, 3 (2): 105–110.

Dr. Muhammad Ashfaq, Assistant Professor

1. **Muhammad Ashfaq**, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Muhammad Abdullah and Urooj Mubashar. 2014. A Role of Weed Solvents on Seed Priming of Diverse Rice Germplasm Lines. *JOURNAL OF PURE AND APPLIED MICROBIOLOGY*, Vol 8 No 3:2175-2184.
2. **Muhammad Ashfaq**, Muhammad Saleem Haider, Abdus Salam Khan, Muhammad Ali, Amna Ali and Urooj Mubashar. 2014. Breeding for micronutrient improvements in rice (*Oryza sativa* L.) for better human health. *Journal of Food, Agriculture & Environment Vol.12 (2): 3 6 5 - 3 6 9*.
3. **Muhammad Ashfaq**, Amna Ali, Muhammad Saleem Haider, Muhammad Ali, Asad Ullah, Urooj Mubashar, Husnain Mubashar, Iqra Saleem and Muhammad Sajjad. 2014. Allelopathic Association Between Weeds Extract and Rice (*Oryza sativa* L.) Seedlings. *Journal of Pure and Applied Microbiology*. Vol. 8(Spl. Edn. 2): 573-580.
4. **Muhammad Ashfaq**, Abdul Rasheed, Muhammad Rizwan, Muhammad Noor, Urooj Mubashar, Husnain Mubashar, Muhammad Ali, Amna Ali, Iqra Saleem and Muhammad Sajjad. 2014. Genetic Studies of Various Morphological Traits in Upland Cotton (*Gossypium hirsutum* L.). *Journal of Pure and Applied Microbiology*. Vol. 8(Spl. Edn. 2): 623-628.
5. **MUHAMMAD ASHFAQ**, AMNA ALI, ANUM NAWAZ, UZMA BASHIR, MUHAMMAD SALEEM HAIDER & MUHAMMAD ALI. 2014. Isolation and Characterization of *Pseudomonas* species associated with Tomato wilt. *BIOLOGIA*, 60 (2): 229-234.

Dr. Bilal Chattha, Assistant Professor

1. Mahmood, N., T. Ali, M.S. Bajwa, M. Shahbaz and M.B. Chattha. 2013. Analysis of the adoption of wheat sowing recommendations among small farmers using water saving interventions. *J. Animal and Pl. Sci.* 23(1):309-312.
2. Mahmood A., J, Iqbal, M.B. Chattha and S. Azhar 2013. Evaluation of various herbicides for controlling grassy weeds in wheat. *Mycopath*.11 (1):39-44.
3. Safdar A. Anwar, S. Riaz, C. A. Ahmad, M. N. Subhani and M.B. Chattha 2013. Mycoflora associated with stored seeds of soybean. *Mycopath*. 11(2): 85-90



4. Chattha, M.U., H. Munir, M.B. Chattha, M.U. Chattha, S.Yousaf and M. Kharal. 2013. Alternate Skip Irrigation: a new strategy to ensure productive sugarcane crops with less water use. Submitted for publication in Agricultural Water Management.
5. Subhani. M.N., S.T. Sahi, M. Safdar, N. Munir, Waseem Abbas and M. Bilal. 2014. Evaluation of antifungal effect of different plant extracts for the management of late blight of Potato caused by *Phytophthora infestans* (Mont.) de Bary. Journal of Biologically Active Products from Nature.4(2)125-135

Dr. Naureen Akhtar, Assistant Professor

- **Naureen Akhtar**, Amna Shoaib, Saima Munir, Amna Ali and Saba Khurshid, 2014. Isolation, identification and enzyme production profile of *Aspergillus niger*. *Pakistan Journal of Animal and Plant Sciences*, 24(5): 1438-1443 (IF 0.638)
- Naureen Akhtar, 2014. In vivo pathogenicity studies of Aspergilli in Lepidopteran model host *Galleria mellonella*. APCBEE Procedia, pp. 293-298.
- Naureen Akhtar, Rahila Hafeez, Zoia Arshad Awan, 2014. First Report of Rice Leaf Spot by *Alternaria gaisen* from Pakistan. *APS Plant Disease*, 98(10): 1440. (IF 2.742)
- Naureen Akhtar, Zoia Arshad Awan and Amna Shoaib, 2014. First Report of New Postharvest Rot in Ginger rhizome by *Aspergillus parvisclerotigenus* in Pakistan. *APS Plant Disease*, 98(8): 1158 (IF 2.742)
- Naureen Akhtar Amna Shoaib, Nafisa and Aqsa Aftab, 2014. Identification and in vitro control of canola spot disease pathogen. *Pakistan Journal of Phytopathology*. 26(1): 101-106.
- Naureen Akhtar, Uzma Bashir, Sobia Mushtaq, 2014. First report of leaf spot of rice caused by *Alternaria arborescens* in Pakistan. *APS Plant Disease*, 98(6): 846. (IF 2.742)

Dr. Sajid Ali, Assistant Professor

- **Sajid Ali**, M. Shahbaz, M. A. Nadeem, M. Ijaz, M. S. Haider, M. Anees and H. A. A. Khan. **2014**. The relative performance of weed control practices in September sown maize. *Mycopath* 12 (1): 43-51
- **Sajid Ali** & B. Honermeier. **2013**. Can herbicide stress in artichoke (*Cynara cardunculus* L.) be detected by chlorophyll fluorescence? *Int. J. Agri. Biol.* 15 (6): 1295-1300 [IF: 0.808]
- Bernd Honermeier, **S. Ali**, B. Leschhorn, A. Mahmood, M. Ijaz, M. Russo, M. Shafiee, H. Ullah and S. Zeller. **2013**. Cultivation of medicinal and spice plants in Germany. *Int. J. Agri. Biol.* 15 (6): 1379-1388 [IF: 0.808]

Dr. Muhammad Ali, Assistant Professor

- **Muhammad Ali**, Muhammad Ashfaq, Naureen Rana, Muhammad Saleem Haider, Muhammad Ashfaq and Muhammad Amjad (2014) The susceptibility study of some aubergine (*Solanum*



melongena L.) cultivars against jassid (*Amrasca biguttula biguttula* (ISHIDA). Pak. J. Agri. Sci., Vol. 51(3), 677-681 (IF: 1.24)

- **Muhammad Ali**, Muhammad Ashfaq, Muhammad shakeel, Abdula Ghaffar and Amna Ali 2014. Evaluation of Insecticidal Properties of Some Bio-extracts and a Bio-agent Performance on Aphid Incidence on Wheat Crop in Punjab-Pakistan Sylwan.,J. (158(9) 58-63 (IF: .295)
- Article published in "Roznama Nawaiwaqt Lahore" with the Title "Sihaat Bakhas Sabziat oar ba kifiat Kitchen Gardening" 21 July 2014 Color Page Zarat Tallem and Tijarat .pp16

Mr. Hafiz Azhar Ali, Lecturer

- **Khan HAA**, Akram W. 2014. The effect of temperature on the toxicity of insecticides against *Musca domestica* L.: Implications for the effective management of diarrhea. *PLoS ONE* 9(4): e95636. (Impact Factor = 3.53)
- **Khan HAA**, Akram W, Shad SA. 2014. Genetics, cross-resistance and mechanism of resistance to spinosad in a resistant strain of *Musca domestica* L. from Pakistan. *Acta Tropica* (Impact Factor=2.52) 130: 148-154
- Abbas N, **Khan HAA**, Shad SA. 2014. Cross-resistance, genetics, and realized heritability of resistance to fipronil in the house fly, *Musca domestica* (Diptera: Muscidae): a potential vector for disease transmission. *Parasitology Research* 113: 1343-1352 (Impact Factor = 2.33)
- Abbas N, **Khan HAA**, Shad SA. 2014. Resistance of the house fly *Musca domestica* (Diptera: Muscidae) to lambda-cyhalothrin: mode of inheritance, realized heritability, and cross-resistance to other insecticides. *Ecotoxicology* 23: 791-801. (Impact Factor = 2.50)
- Saddiq B, Shad SA, **Khan HAA**, Aslam M, Ejaz M, Afzal MBS. 2014 Resistance in the mealybug *Phenacoccus solenopsis* Tinsley (Homoptera: Pseudococcidae) in Pakistan to selected organophosphate and pyrethroid insecticides. *Crop Protec* 66: 29-33. (Impact Factor = 1.54)
- Khaleel M, Subhani MN, **Khan HAA**, Sahi ST, Hussain S, Abbas W. 2014. In-vitro evaluation of homeo-fungicides and methanolic plant extracts against mycelial growth of *Fusarium oxysporum* F.sp. pisi causing wilt disease in pea. *Pak J Phytopathol.* 26:2014.
- Ali S, Shahbaz M, Nadeem MA, Ijaz M, Haider MS, Anees M, **Khan HAA**. 2014. The relative performance of weed control practices in September sown maize. *Mycopath* 12: 43-51.
- Iqbal J, Farooq SU, Jamil M, **Khan HAA**. 2014. Relative efficacy of selective insecticides against gram pod borer (*Helicoverpa armigera* H.) of chickpea. *Mycopath.* (In press).
- Khan HAA, Shad SA, Akram W. 2013. Combination of phagostimulant and visual lure as an effective tool in designing house flies toxic baits. *PLoS ONE* 8:e77225 (Impact Factor=3.53)



- **Khan HAA**, Akram W, Shad SA. 2013. Resistance to conventional insecticides in *Musca domestica* L. from dairies in Punjab, Pakistan. *Ecotoxicology* 22: 522-527. **(Impact Factor=2.5)**
- **Khan HAA**, Akram W, Shad SA. 2013. A cross sectional survey of knowledge, attitude and practices related to house flies among dairy farmers in Punjab, Pakistan. *Journal of Ethnobiology and Ethnomedicine*. 9: 1-8. **(Impact Factor=1.98)**
- **Khan HAA**, Shad SA, Akram W. 2013. Resistance to new insecticides in *Musca domestica* L. from dairies in Punjab, Pakistan. *Parasitology Research* 112: 2049-2054 **(Impact Factor=2.33)**
- **Khan HAA**, Shad SA, Akram W, Lee JJ. 2013. Insecticide mixtures could enhance the toxicity of insecticides in a resistant population of *Musca domestica* L. *PLoS ONE* **(Impact Factor=3.53)**
- **Khan HAA**, Akram W. 2013. Citrus-based essential oils could be used for dengue vector mosquitoes control. *Asian Pacific Journal of Tropical Medicine* **(Impact Factor=0.93)**
- Akram M, Hafeez F, Farooq M, Arshad M, Hussain M, Ahmed S, Zia K, Khan HAA. 2013. A case to study population dynamics of *Bemisia tabaci* and *Thrips tabaci* on Bt and non-Bt cotton genotypes. *Pakistan Journal of Agricultural Sciences*. 50: 617-623 **(Impact Factor: 1.05)**
- Khan HAA, Akram W, Khan MA, Ahmad N, Ahmad S. 2013. Mango leaf gall formation: varietal susceptibility and within tree distribution. *Pakistan Journal of Agricultural Sciences*. 50: 83-93 **(Impact Factor: 1.05)**

Mr. Moazzam Anees, Lecturer

- Ali, S., M. Shahbaz, M.A. Nadeem, M. Ijaz, M.S. Haider, **M. Anees** and H.A.A. Khan. 2014. The relative performance of wheat control practices in September sown maize. *Mycopath* 12(1):43-51.

RESEARCH COLLABORATION

○ **Indigenous**

- i) Central Cotton Research Institute, Multan
- ii) Ayub Agricultural Research Institute, Faisalabad
- iii) Environment Protection Department (EPD), Lahore
- iv) Rice Research Centre Bahawalnagar.
- v) Adaptive Research Farm Gujranwala (Agriculture Department).
- vi) Centre of Excellence in Molecular Biology.
- vii) Higher Education Commission Islamabad.
- viii) Veterinary Research Institute Lahore



- ix) University of Veterinary and Animal Sciences
- o **Foreign Linkages**
 - i) Punjab University – PARB – University of Toronto, Canada
 - ii) Punjab University – ICARDA –USDA, University of Arizona, USA
- o **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).
 - Tehmina Anjum. Principal investigator in one year (2013-2014) project entitled “Management of bacterial wilt of tomato by using native PGPR bacterial strains”. Grant = 1,50,000/Rs by PU.
 - Dr. Arshad Javaid (2013-14), entitled “Biological Control of Charcoal Rot of Mungbean by Trichoderma and Sisymbrium irio” by University of the Punjab Lahore. (Grant Rs.150,000/-)
 - Dr. Arshad Javaid, (2013-14), “Natural compounds from allelopathic trees as antifungal agents against Ascochyta rabiei (Pass.) Lab. (Grant Rs. 2012256/-.)
 - Shazia Shafique. Principal Investigator in one year (2013-14) project entitled “Defense response of selected Eucalyptus species against black spot pathogen of *Pisum sativum*” Grant Rs.150, 000/-)
 - Dr. Sobiya Shafique. Principal Investigator in one year (2013-14) project entitled “Protective potential of *Alstonia scholaris* for the management of charcoal rot of *Vigna unguiculata* L. Walp” awarded by the University of the Punjab, Lahore, Pakistan, (Grant Rs.150,000/-)

Innovational Commercialization [Related to ORIC]

- o Operation of Office of Research, Innovation and Commercialization (ORIC)
- o Functions/Established/Budget/Activities

INSTITUTE OF APPLIED PSYCHOLOGY

R & D-An Overview

A Centre for Psychological Research and Services has been established as a unit of the Institute of Applied Psychology. The aim is to produce high quality research. All the information on Institutional research is also available on 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:**Completed**

| Sr. No. | Project Name | Name of Faculty Member |
|---------|--|---|
| 1. | Using Mindfulness and Compassion to build Favorable interfaith perspectives. | Dr. Naumana Amjad Associate Professor |
| 2. | Belief in a Just World, Aggression and Well-being among Plaintiffs. | Dr. Iram Fatima Assistant Professor |
| 3. | Job satisfaction, organizational commitment and Turnover intentions in relation to perceived organizational commitment in Punjab University administrative staff. | Ms. Shazia Khalid Assistant Professor |
| 4. | Psychological Stress, Distress, Lifestyle and Anthropometric Correlates of Essential Hypertension. | Dr. Rafia Rafique Associate Professor |
| 5. | Religious Involvement, Family Functioning and Conflict Resolution in Family Relationships. | Ms. Afsheen Masood Assistant Professor |
| 6. | Leadership Strengths and Workplace Happiness: The Mediating Role of Values Congruence. | Ms. Afifa Anjum Lecturer |
| 7. | Psycho-Social and Behavioral Skills Profiling, Assessment and their Association with Job Performance in Non-Teaching and Administrative Staff of a Public Sector University. | Ms. Tahira Mubashir Lecturer |

Newly Launched

| Sr. No. | Project Name | Name of Faculty Member |
|---------|--|---|
| 1. | Psychological and Neurological functioning of Elderly: A comparison of Punjab and Gilgit Baltistan | Prof. Dr. Rukhsana Kausar (Co-PI) |
| 2. | Efficacy of Children and disaster Recovery Techniques with Flood Stricken Children in Southern Punjab Pakistan | Prof. Dr. Rukhsana Kausar |
| 3. | Parental power and prestige moderate the relationship between perceived parental acceptance and offspring's psychological adjustment: Father Acceptance-Rejection Project. | Prof. Dr. Rukhsana Kausar |
| 4. | Teachers' Acceptance-Rejection and Physical punishment as mediating factors to the psychological adjustment, academic achievement in children and adolescents in Pakistan. | Prof. Dr. Farah Malik |
| 5. | Examining effectiveness of group therapy in reducing behavioural problems among slow learners/children with learning deficiency. | Dr. Naumana Amjad Associate Professor |
| 6. | Job Stress, Job Satisfaction and Work Motivation in permanent and tenure track teachers in Public Universities. | Ms. Shazia Khalid Assistant Professor |
| 7. | Does Conscientiousness increase quality of life among renal transplant recipients. | Dr. Fatima Kamran Assistant Professor |
| 8. | Parental Stress, Psychological Well-Being and quality of life in parents of Children with intellectual vs. physical disability. | Dr. Afsheen Masood Assistant Professor |
| 9. | Metacognition and critical thinking in University students | Ms. Omama Tariq |



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| | | Lecturer |
| 10. | Antecedents and consequences of positive psychological capital in employees of higher education institutions. | Ms. Tahira Mubashar Lecturer |
| 11. | Validity of the Entry Test at Punjab University. | Ms. Shahnila Tariq Lecturer |

Publications

List of the Papers published by the Faculty Members of the Department is as under:

| Sr. No. | Papers Published | Name of Author |
|---------|---|---------------------------|
| 1. | Naz, F & Kausar, R. (2013). Parental Rejection, Personality Maladjustment and Depressive Symptoms in Female Adolescents in Pakistan. <i>IOSR Journal of Humanities and Social Sciences (IOSR-JHSS)</i> . e-ISSN. 2279-0837, ISSN 2279-0845. Vol. 14, 56-65. www.iosrjournals.Org . | Prof. Dr. Rukhsana Kausar |
| 2. | Kausar R., Awan B. & Khan N. (2013) Differences in Risk Perception and Emotional Distress in Patients with Type 2 Diabetes. <i>Journal of the Indian Academy of Applied Psychology (JIAAP)</i> . Y Category, ISSN: 0019-4247. Vol. 39, No.2, 222-227. | Prof. Dr. Rukhsana Kausar |
| 3. | Najam, N., Kanwal, R. H., Malik, F., Kausar, R. & Fatima, H. (2014). Focus Group Discussions: Exploration of Psychological and Neurological Functioning of Elderly in Gilgit & Lahore, Pakistan. <i>European Scientific Journal (special edition)</i> Vol.2, 331-350, ISSN:1857 7881 (Print) e-ISSN 1857 7431. | Prof. Dr. Rukhsana Kausar |
| 4. | Zafar N., & Kausar R. (2014). Social and Emotional Problems in Divorced and Married Women. <i>FWU Journal of Social Sciences</i> , Vol. 8 (1), 31-35. | Prof. Dr. Rukhsana Kausar |
| 5. | Malik, F., Butt, M., Kausar, R., Najam, N., & Rasool, F. (2014). Parental Acceptance and Power/Prestige as Predictors of Psychological Adjustment among Pakistani Adolescents. <i>Journal of Cross-Cultural Research (Impact Factor), Special Issue – Parental Power and Prestige Moderate the Effect of Perceived Acceptance on offspring’s Psychological Adjustment</i> , Vol.48, No.3 (online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676). | Prof. Dr. Rukhsana Kausar |
| 6. | Najam, N., Hussain, S., Kanwal, R. H., Malik, F & Kausar, R. (2014) Parental Acceptance-Rejection and Power-Prestige as Predictors of Psychological Adjustment in Pakistani Adolescents. <i>Journal of Cross-Cultural Research Journal of Cross-Cultural Research (Impact Factor), Special Issue – Parental Power and Prestige Moderate the Effect of Perceived Acceptance on offspring’s Psychological Adjustment</i> , Vol.48, No.3. (online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676). | Prof. Dr. Rukhsana Kausar |
| 7. | Naz, F & Kausar, R. (2014). Parental Rejection, Personality Maladjustment and Anxiety Symptoms in Adolescents with Somatoform Disorders. <i>Journal of Indian Academy of Applied Psychology (JIAAP)</i> , Y Category, ISSN: 0019-424724 (1), 145-164. | Prof. Dr. Rukhsana Kausar |
| 8. | Malik, F., & Shujja, S. (2013). Social competence and School system as a predictor of academic achievement in high and low achieving school children. <i>Journal of Behavioral Sciences</i> , 23 (1), 76-92. | Prof. Dr. Farah Malik |
| 9. | Ghyas, S., & Malik, F. (2013). Sense of humor as predictor of creativity and sociability level among university students. <i>Journal Behavioral Sciences</i> , 23 (2), 49-61. | Prof. Dr. Farah Malik |



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| 10. | Ghyas, S., & Malik, F. (2013). Sociability and academic achievement as predictors of creativity level among university students. <i>Journal of the Indian Academy of Applied Psychology</i> , 39 (2), 266-273. | Prof. Dr. Farah Malik |
| 11. | Mossaheb, N., Schloegelhofer, M., Kaufmann, M. R., Werneck-Rohrer, S., Zehetmayer, S., Malik, F., Khawar, R., Chaudhry, R. H., Amminger, G. P., Klier, M. C., & Aschauer, H. (2013). Duration of untreated psychosis in a high-income- versus a low-and middle income region. <i>Australian and New Zealand Journal of Psychiatry</i> , 00(0), 1-7. DOI: 10.1177/0004867413504472 (IF = 3.293) | Prof. Dr. Farah Malik |
| 12. | Malik, F., Butt, M., Kausar, R., Najam, N., & Rasool, F. (2014). Parental acceptance-rejection and power-prestige as predictors of psychological adjustment in Pakistani adolescents. <i>Journal of Cross-Cultural Research: Special Issue</i> , 48 (3), 1-8. DOI: 10.1177/ 1069397114528455 (IF = .75) | Prof. Dr. Farah Malik |
| 13. | Najma, N., Hussain, S., Hussain, R., Malik, F., & Kausar, R. (2014). Parental Power, Prestige, and Acceptance as Predictors of Young Adults' Psychological Adjustment in Gilgit-Baltistan, Pakistan. <i>Journal of Cross-Cultural Research: Special Issue</i> , 48 (3) 1-8. DOI: 10.1177/ 1069397114528455 (IF = .75). | Prof. Dr. Farah Malik |
| 14. | Malik, F., Khawar, R., Chaudhry, H. R., Mossaheb, N., Schloegelhofer., & Aschaur, H.(2014). Cognitive impairment and duration of untreated psychoses in patients of First Episode Psychoses in Pakistan. <i>Journal of Indian Academy of Applied Psychology</i> , 40 (1), 44-52. | Prof. Dr. Farah Malik |
| 15. | Amjad, N., Rafique, R., (2013). Psychological and Behavioral Factors of Cardiovascular Disease: Current Status and Future Directions for Pakistan. <i>Pakistan Journal of Psychology</i> (X Category). | Dr. Naumana Amjad Associate Professor |
| 16. | Amjad, N. (2013). From Gratitude to Spiritual Strengths. <i>Islamic Studies</i> (X Category). | Dr. Naumana Amjad Associate Professor |
| 17. | Amjad, N. (2013). Dynamics of Recovery; Characteristics of Recovering and Continuing Addict. <i>Addiction Research and Therapy</i> , Vol 5(1). | Dr. Naumana Amjad Associate Professor |
| 18. | Amjad, N., Rafique, R., (2013). Psychological and Behavioral Factors of Cardiovascular Disease: Current Status and Future Directions for Pakistan. <i>Pakistan Journal of Psychology</i> (X Category). | Dr. Rafia Rafique Associate Professor |
| 19. | Fatima, I., & Ashraf, R., (2014) Role of Personality and Spirituality in Non-Violent Behavior in Young Adults. <i>Journal of Behavioral Sciences (JBS)</i> , Vol 24(1). | Dr. Iram Fatima Assistant Professor |
| 20. | Kamran, F., (2014). Does Conscientiousness increases Quality of Life after renal transplantation. <i>International Journal of Research Studies in Psychology</i> , Vol. 3 (IF. 0.401). | Dr. Fatima Kamran Assistant Professor |
| 21. | Kamran, F., & Schaw, F. C., (2014). Do Clinical Variables influence Quality of Life among renal transplant recipients? <i>Journal of Behavioral Sciences</i> , Vol 24(1). | Dr. Fatima Kamran Assistant Professor |
| 22. | Kamran, F., (2014). Optimism and Quality of Life after Renal Transplantation. <i>American Journal of Applied Psychology</i> . Vol 2(1). | Dr. Fatima Kamran Assistant Professor |
| 23. | Kamran, F., (2014). Living with a Kidney Transplant: Perceptions & Experiences. <i>American Journal of Applied Psychology</i> . Vol 2(1). | Dr. Fatima Kamran Assistant Professor |
| 24. | Kamran, F., (2014). Does Perceived Health Status Influence Quality of Life after Renal Transplantation. <i>American Journal of Applied Psychology</i> . Vol 2(4). | Dr. Fatima Kamran Assistant Professor |



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| 25. | Kamran, F., (2014). Depression Doubles Mortality Risk among Transplant Recipients. <i>International Journal of School and Cognitive Psychology</i> . Vol 1(2). | Dr. Fatima Kamran Assistant Professor |
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Conferences, Seminars and Workshops, etc.

| Sr. No. | Name of Conference/Seminar/Workshop | Name of Faculty Member |
|---------|---|---|
| 1 | Oral Presentation in the 28th International Congress of Applied Psychology (ICAP 2014) from 08th – 13th July, 2014 at Paris, France. | Prof. Dr. Rukhsana Kausar |
| 2 | Oral Presentation in the 28 th Conference of the European Health Psychology Society (EHPS) 2014 held from 26 th – 30 th August, 2014 at Innsbruck, Austria. | Prof. Dr. Rukhsana Kausar |
| 3 | Oral Presentation in the International Conference on “Clinical Psychology outside Clinics” organized by Center for Clinical Psychology, University of the Punjab, Lahore on 2 nd -3 rd April, 2014. | Prof. Dr. Rukhsana Kausar |
| 4 | Oral Presentation in the 28th International Congress of Applied Psychology (ICAP 2014) from 08th – 13th July, 2014 at Paris, France. | Prof. Dr. Farah Malik |
| 5 | Poster Presentation in the 28 th Conference of the European Health Psychology Society (EHPS) 2014 held from 26 th – 30 th August, 2014 at Innsbruck, Austria. | Prof. Dr. Farah Malik |
| 6 | Oral Presentation in the International Conference on “Clinical Psychology outside Clinics” organized by Center for Clinical Psychology, University of the Punjab, Lahore on 2 nd -3 rd April, 2014. | Prof. Dr. Farah Malik |
| 7 | Oral Presentation at 3 rd International Conference on Addiction Research & Therapy held from August 4-6, 2014 at Chicago, USA. | Dr. Naumana Amjad Associate Professor |
| 8 | Oral presentation in 2014 Asian Congress of Applied Psychology held from 7 th – 8 th May, 2014 at Singapore. | Dr. Iram Fatima Assistant Professor |
| 9 | Paper presented in the International Conference on Applied Business and Economics (ICABE) 2013 held from 2 nd – 4 th October, 2013 at New York, USA. | Ms. Shazia Khalid Assistant Professor |
| 10 | Paper presented in the Second Asian Business Research Conference held from 6-7 th October, 2013 at Dubai. | Ms. Shazia Khalid Assistant Professor |
| 11 | Oral Presentation at the International Conference on Economics, Social Sciences and Languages (ICESL’ May 14-15, 2014) at Singapore. | Dr. Afsheen Masood Assistant Professor |
| 12 | Oral Presentation in the 28 th Conference of the European Health Psychology Society (EHPS 2014) held from 26 th – 30 th August, 2014 at Innsbruck, Austria. | Ms. Omama Tariq Lecturer |
| 13 | Paper presented in the International Conference on Economics, Social Sciences and Languages (ICESL May 14-15, 2014) held at Singapore. | Ms. Tahira Mubashar |

Research Journals

The Institute publishes its official journal “Journal of Behavioural Sciences (JBS)” on biannual basis since 1990. JBS has blind peer review policy and is an internationally recognized journal which includes empirical studies, review articles and case studies on a wide range of topics. Higher Education Commission (HEC) of Pakistan has placed JBS in ‘X’ category. It has been indexed and cited in different well-known data bases like Ebscohost, Pro Quest, Asia net and Universal Digital Library (UDL), a Malaysian based on-line library. Recently, PsycInfo (APA) has accepted JBS for abstracting and indexing



while correspondence with ISI (Thomas Reuters) is in process for indexing, abstracting and impact factor which speaks volume for the professional and research based caliber of the journal.

Moreover, publishing of “Psychological Abstracts” is another distinguished feature of Institute. It includes abstracts of research work carried out by students and faculty members of the Institute. Four volumes of “Psychological Abstracts” have been published so far and we aim to make it a regular feature to publish Institutional Research in order to benefit researchers at home and abroad. Additional information on Institutional publication is available on the University webpage.

<http://www.pu.edu.pk/appsy/JBS/index.html>

RESEARCH COLLABORATION

Indigenous

- Prof. Rukhsana Kausar, Collaborative project on Cognitive and Neurological Functioning of Elderly: A comparison of Punjab and Gilgit Baltistan with Prof. Najma Najam, Vice Chancellor, Karakoram International University.
- Prof. Rukhsana Kausar, Collaborative project on “Parental Power/Prestige and the Effects of Paternal Versus Maternal Acceptance on the Psychological Adjustment of Offspring with Prof. Najma Najam, Vice Chancellor, Karakoram International University.
- Prof. Rukhsana Kausar, Collaborative project on “Parental Power/Prestige and the Effects of Paternal Versus Maternal Acceptance on the Psychological Adjustment of Offspring with Prof. Dr. Farah Malik, IAP.
- Prof. Dr. Farah Malik, Collaborative project on “Emotion recognition and regulation in drug addicts with Prof. Glyn Humphreys, Oxford University UK.

Foreign Linkages

- Prof. 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.
- Prof. Dr. Rukhsana Kausar, Collaborated in “Emotion and Education Study, with Sana Sheikh, School of Psychology and Neuroscience, University of St. Andrews, Scotland, United Kingdom
- Prof. Dr. Rukhsana Kausar, Collaboration on cross cultural research project on **Globalization** and its Impact on Young People for Using Drugs with Fariba Mousavi Stockholm University, Goteborg University and Gavle University.
- Prof. Dr. Rukhsana Kausar, Collaboration on a cross cultural Project on Parental Power/Prestige and the Effects of Paternal Versus Maternal Acceptance on the Psychological Adjustment of Offspring



with Ronald P. Rohner, Ph.D, Professor, Human Development and Family Studies, Unit 2058, University of Connecticut, USA.

Funding Grants for R&D

Every year; a huge amount is being spent on Research and Development (R&D). These funds are provided by the University of the Punjab, Lahore and Higher Education Commission (HEC).

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

The faculty of IBB enthusiastically pursuing research projects of national interests mainly concerning immunodiagnosis of viral and bacterial infections; purification and applications of industrially important enzymes; characterization of antifungal proteins of plant origin, identification of biomarkers for early diagnosis of cancer, extraction of bio pesticides from plants and molecular basis of action of these compounds, production of monoclonal antibodies, peptide hormones, interferon's and cytokines, screening of genetic disorders in local population and nanotechnology-based detection of allergens in local environment. During the year 2013-14, the Institute had several publications to its credit. In particular, many research papers were published in international impact factor journals and the research findings were presented at the national and international forum. A highly competitive research grant was also awarded to one of the faculty member. The faculty members also received research grants, to strengthen the research activities of the Institute.

Projects:

(i) Projects completed

| Name of researcher/ sponsoring agency | Title of research project with duration | Financial support | Main goals (proposed/achieved) |
|---|--|----------------------|--|
| Dr. Amtul Jamil Sami HEC | Molecular Basis of Action of Neem (<i>Azadirachta Indica</i>) derived compounds as Bio- pesticides. | Rs. 2.262 Million | |
| Dr. Amtul Jamil Sami University of the Punjab | Biochemical basis of inhibition of digestive amylase of coleopteran insects and human by <i>Azadirachta indica</i> . | Rs.0.150 Million | |
| Dr. Mahjabeen Saleem University of the Punjab | Influence of Apolipoprotein E4 (ApoE) and Leptin Gene Variations on Hypertension. | Rs.0.150 Million | To study the effect of ApoE4 and leptin on blood pressure To study the development of methods for the prevention, prediction and therapy for hypertension |
| Dr. Saima Sadaf PAS | Production of recombinant cytokine of therapeutic importance | Rs.1.98 Million | Production of granulocyte colony stimulating factor for neutropenia treatment |
| Dr. Saima Sadaf University of the Punjab | Implementing MicroRNAs in the Diagnosis of Acute Myocardial Infarction | Rs.0.150 Million | |



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| 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 | To study the function of human Rab28 and localization Study of effects on cell functioning upon its knockdown |
| 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 | To study functional significances of polymorphic variations of VDR gene in Arthritis To find out association possibility between variability in vitamin D endocrine system and in assessment of disease risk |
| Mr. M. Shahbaz Aslam | Recombinant production of consensus envelop domain III protein of Dengue Virus; A Candidate Tetravalent Dengue Vaccine. | Rs.0.125 Million | Expression and purification of recombinant Consensus Envelop Domain III-based tetravalent antigen Characterization of recombinant tetravalent antigen Determination of immunogenicity of recombinant consensus envelop domain III-based tetravalent antigen |
| Ms. Irma 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 | |

Newly launched

| Name of researcher/ sponsoring agency | Title of research project with duration | Financial support | Main goals (proposed/achieved) |
|--|--|----------------------|-----------------------------------|
| Dr. Amtul Jamil Sami HEC | Application of Computational Biology methods for Structure based | Rs. 0.136 Million | |



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| | analysis of <i>Azadirachta indica</i> (Neem) derived compounds as bioinsecticides by inhibiting the insect enzyme activities A collaborative research Project with Dr.Hubbard. University of York UK. | | |
| Dr. Amtul Jamil Sami HEC | Insight of Placental Lactogen and Related placental Peptides for Biological Activity in Farm Ruminants | Rs. 2.9 Million | |
| Dr. Amtul Jamil Sami HEC | Molecular Basis of Action of Neem (<i>Azadirachta Indica</i>) Derived Compounds as Bio-pesticides | Rs. 1.9 Million | |
| Dr. Amtul Jamil Sami University of the Punjab | A Model Study on the Invasive burden of pneumonia disease in Children under 5 in Lahore, Pakistan | Rs. 0.15 Million | |
| Dr. Mahjabeen Saleem University of the Punjab | Genetic mutation analysis in the 3' UTR of VDR Gene and Association with bone mineral metabolism in postmenopausal Pakistani Women | Rs. 0.15 Million | |
| Dr. Zahoor Qadir Samra, University of the Punjab | Immunoflow Sandwich assays for the detection of SEB Toxin in the food samples | Rs. 0.15 Million | |
| Dr. Saba Irshad University of the Punjab | Molecular analysis of Genes involved in non-syndromic primary microcephaly in Punjab Population | Rs. 0.15 Million | |
| Dr. Anjum Riaz University of the Punjab | Expression, signaling and regulation of pro-tumorigenic PKB/AKT and MAPK isoforms across breast cancer subtype | Rs. 0.15 Million | |
| Dr. Moazzam Ali University of the Punjab | Role of Rab proteins in endosome maturation | Rs. 0.15 Million | |
| Mr. M. Shahbaz Aslam University of the Punjab | Cell penetrating peptides for targeted delivery of anticancer drugs | Rs. 0.125 Million | |



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| Ms. Iram Gull University of the Punjab | Purification and characterization of Fungal Phytase | Rs. 0.125 Million | |
| Ms. Barizah Malik University of the Punjab | Enhancing soluble expression of alpha amylase gene from bacillus licheniformis in Escherichia coli and characterization of the gene product | Rs. 0.125 Million | |
| Ms. Sumaira Pervaiz University of the Punjab | Purification of industrially important enzyme (keratinase) from Bacillus Megaterium for poultry industry | Rs. 0.125 Million | |
| Ms. Mamoona Naz University of the Punjab | Molecular role of glutathione S-transferase and angiotensin converting enzymes in genetic Variation association with arthritis | Rs. 0.125 Million | |
| Mrs. Afshan Iqbal University of the Punjab | Optimization studies for production of industrially important enzyme-Pectinase | Rs. 0.125 Million | |
| Mrs. Mehreen Anjum University of the Punjab | Understanding and preventing plasmid borne antibiotic resistance | Rs. 0.125 Million | |
| Mr. Tanveer Khalid University of the Punjab | Cloning and expression of thermophilic Lipase in Escherichia coli | Rs. 0.125 Million | |

Publications

| Name of Faculty Members | Title of Research Papers | Name of Publishing Journal | Vol. | Impact Factor |
|--|---|---|--------------------------|----------------------|
| Sami. A J * Muhammad Ali and Abdul Rauf Shakoori | Growth Promoting Activity of Crude Protein Extract of Ruminant Placental | Pakistan J. Zool., | vol. 46(2), pp. 580-583. | 0.4 |
| Sami AJ | Azadirachta indica derived compounds as inhibitors of digestive alpha-amylase in insect pests: Potential bio-pesticides in insect pest management | European Journal of Experimental Biology, | 4(1):259-264 | |
| Sami. A J Muhammad Ali and Abdul Rauf | Growth Promoting Activity of Crude Protein Extract of Ruminant Placental | Pakistan J. Zool., | vol. 46(2), pp. 580-583. | 0.4 |



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| Shakoori (2014) | | | | |
| Sami AJ | Azadirachta indica derived compounds as inhibitors of digestive alpha-amylase in insect pests: Potential bio-pesticides in insect pest management | European Journal of Experimental Biology, | 4(1):259-264 | |
| Sami A J , Madeeha Khalid and Saliah Bilal (2014) | Purification and Characteristics of Beta-1,4-Glucanase OcCel9 of Oxya chinensis. | Annual Research & Review in Biology | ISSN: 2347-565X ,Vol.: 4, Issue.: 24 (16-31 December) – | |
| Sami A J and Abdul Rauf Shakoori | Potential of Azadirachtin and Neem (Azadirachta Indica)Based Saponins As Biopesticides For In Vitro Insect Pests Cellulase (Beta-1,4-Endoglucanase) Enzyme Inhibition and In Vivo Repellency on Tribolium castaneum. | British Biotechnology Journal | ISSN: 2231–2927,Vol.: 4, Issue.: 8 (August) – Page 904-917 | |
| Sami, A.J., Ahmad, N. and Shakoori, A.R., | Computational analysis of an acidic lipase of Tribolium castaneum. | Pakistan J. Zool., | 46: 805-812. | 0.4 |
| Amtul Jamil Sami. | A computational analysis for the structure-function relationship of one of the alkaline Lipases of Tribolium castaneum | Submitted for publication. | | |
| Sami. A J | Isolation of a Growth Hormone Variant from Water buffalo Bubalus bubalis pituitary, identical to GH from Sei Whale (Balaenoptera borealis), | Pakistan J. Zool.,. | Accepted | 0.4 |
| Mahjabeen Saleem, Nusrat Yasmin | Biochemical characterization of fruit-specific pathogenesis-related antifungal protein from basari banana | Microbiological Research | DOI: 10.1016/j.micres.2013.08.010 | 2.3 |
| Mahjabeen Saleem, Sumaira Ahmad, Mubashir Ahmad | Potential of Bacillus cereus for bioremediation of pulp and paper industry wastes | Annals of Microbiology | DOI: 10.1007/s13213-013-0721-y | 1.55 |
| Riffat Tahira, Ihsan-Ullah and Mahjabeen Saleem. | Evaluation of Genetic Diversity of Raya (<i>Brassica juncea</i>) through RAPD Markers. | International Journal of Agriculture & Biology | 1814–9596 12–1012/ 2013/15–6–1163–1168 | 0.81 |
| Zahoor Qadir Samra, Snober Ahmad, Mehwish Javeid, Nadia Dar, | Anticancer medicines (doxorubicin and methotrexate) conjugated with magnetic nanoparticles for targeting drug | Preparative Biochemistry & Biotechnology, | 43:781–797 | 0.406 |



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|--|--|--|----------------|--|
| Muhammad Shahbaz Aslam, Iram Gull, and Mubashar Mustaneer Ahmad | delivery through iron. | | | |
| Afshan Iqbal, Mamoon Naz, Ferhana Hussain, Mahjabeen Saleem and Beenish Kashif Hashmi | Association of <i>SOD2</i> gene polymorphism with noise induced hearing loss in textile industry employees | African Journal of Biochemistry Research | 7 (7), 122-127 | |

Conferences/ Seminars/ Workshops etc.

Dr. Saba Irshad: Participation in 12th Shaukat Khanum Cancer Symposium “ fighting cancer in all fronts” November 29-December 1, 2013

Dr. Muhammad Imtiaz Shafiq: International Conference on Environmental Issues of Sindh and their Remedies (I CEISR 2014) April 09-10, 2014, Khairpur, Pakistan.

Dr. Muhammad Imtiaz Shafiq: 2nd International Conference on Environmental Horizon Greening The Blue January 2014 Karachi Pakistan

Dr. Muhammad Imtiaz Shafiq: 11th PSBMB International Conference 2013, Lahore, Pakistan

Dr. Muhammad Imtiaz Shafiq: 12th International and 24th National Chemistry Conference jointly with the Chemical Society of Pakistan at University Campus on October 28 - 30, 2013 Multan, Pakistan

Research Collaboration

Indigenous

- PCSIR laboratories Lahore
- Sheikh Zayed Hospital Lahore
- Shoukat Khanum Hospital Lahore
- Inmol Hospital Lahore
- Centre of Excellence in Molecular Biology (*CEMB*) University of the Punjab, Lahore,
- Forensic Laboratory Lahore

Foreign Linkages

- Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore Pakistan – Uppsala University, Sweden
- Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore Pakistan – Keene State College, US
- Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore Pakistan – Institute of Chemical and Bio-Engineering Technology (MICET) University Kuala Lumpur (UniKL), Malaysian

**SCHOOL OF BIOLOGICAL SCIENCES**○ **R&D-An Overview**

The School of Biological Sciences, now in the 12th 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
(ii) Newly launched****(i) Completed**

| S.N. | Name of Researcher/ Sponsoring Agency | Title of research project with duration | Financial support |
|------|---|--|-------------------|
| 1 | Prof. Dr. Javed Iqbal/ Pak-US Collaborations | Enhance the sugarcane production in Pakistan by Modern Breeding Technology | US\$.71610.00 |

In Progress

| | | | |
|----|---|--|----------------------|
| 1. | Prof. Dr. Javed Iqbal Higher Education Commission of Pakistan | Strengthening of School of Biological Sciences, University of the Punjab, Lahore. | Rs. 377.328 millions |
| 2. | Prof. Naeem Rashid Higher Education Commission of Pakistan | Discovering the missing phosphofructokinase in hyperthermophilic archaeon <i>Pyrobaculum calidifontis</i> | Rs. 6,824,100.00 |
| 3. | Dr. Sadaf Naz Growing Stronger, USA and Koshish Foundation, USA. | Genetics of dwarfism and skeletal dysplasia. | US\$21,000.00 |
| 4. | Deustche Forschungsgemeinschaft, LO 1555/8-1 | Molecular characterization of complex movement disorders with predominant dystonic features in consanguineous families. | €152,240.00 |

○ **Publications****A: Research Articles**

- Studies on the regioselectivity and kinetics of the action of trypsin on proinsulin and its derivatives using mass spectrometry. Gardner QA, Younas H, Akhtar M.2013. *Biochim Biophys Acta*. 1834: 182 – 190.
- Studies on the expression and processing of human proinsulin derivatives encoded by different DNA constructs. Farheen Aslam, Qurra-tul Ann Afza Gardner, Hina Zain, Muhammad Shahid Nadeem, Muhammad Ali, Naeem Rashid, Muhammad Akhtar, *Biochim Biophys Acta*. 1834: 2013 2116–2123.



- TK1299, a highly thermostable NAD(P)H oxidase from *Thermococcus kodakaraensis* exhibiting higher enzymatic activity with NADPH. *Journal of Bioscience and Bioengineering*. Muhammad Atif Nisar, Naeem Rashid, Qamar Bashir, Qurra-tul-Ann Afza Gardner, Muhammad Hassan Shafiq, Muhammad Akhtar. 2013. Volume 116, Issue 1, July 2013, Pages 39–44.
- Structural evidence for the partially oxidized dipyrromethene and dipyrromethanone forms of the cofactor of porphobilinogen deaminase: structures of the *Bacillus megaterium* enzyme at near-atomic resolution. N. Azim, E. Deery, M.J., Warren, B.A.A., Wolfenden, P. Erskine, J. B. Cooper, A. Coker, S.P. Wood and M. Akhtar. *Acta. Cryst.* 2014: D70: pages 744-751.
- Characterization and bioassay of post-translationally modified interferon α -2b expressed in *Escherichia coli*. Fatima Ahsan, Amina Arif, Nasir Mahmood, Qurra-tul-Ann Afza Gardner, Naeem Rashid, Muhammad Akhtar. *Journal of Biotech.* 2014, 184: 11-16.
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- A cornucopia of screening and diagnostic techniques for human papillomavirus associated cervical carcinomas Memoona Ramzan, Noor ul Ain, Sadaf Ilyas, Muhammad Umer, Sadia Bano, Samreen Sarwar, Naveed Shahzad and Abdul Rauf Shakoori (Under revision in Journal of Virological Methods, Ref: VIRMET-D-15-00073).

B: Books

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

1. D. Hausced, Y.B. Pan and J. Iqbal 2014. Isolation and analysis of resistant gene analogs from a red rot resistant sugarcane cultivars. International conference of Plant Sciences, 22-24 September, 2014. G.C. University Lahore.
2. J. Iqbal. 2014. Resistant gene analogs in sugarcane for rust, smut and red rot diseases, Lahore Biotech Cluster meeting. August 18, 2014.
3. First International Workshop on Recombinant Biotechnology April 22-29, 2013.
4. Viral Diagnostic techniques. Vaccine Development Group, Animal Sciences Division, 17-19 Dec, 2013 NIAB, Faisalabad.
5. Art of grant and Scientific Writing COMSAT, Lahore. November, 2014.

○ **Research Journals**

SBS does not publish any research journal.



Faculty of Oriental Learning

DEPARTMENT OF ARABIC

○ **Research & Development An Overview**

Projects:

(i) Completed

(ii) Newly Launched

| Name of Researcher | Topic of Research | Sponsoring Agency | Approved Amount | Status |
|--------------------------|--|-------------------|-----------------|---------------|
| Dr. Hamid Ashraf Hamdani | الشعر العربي المعاصر في المملكة العربية السعودية | PU | 20000 | Completed |
| Dr. Hamid Ashraf Hamdani | الشعر العربي المعاصر في الإمارات العربية المتحدة | PU | 20000 | Under process |

Publications

| Authors Name | Article Name | Journal with Date | Sponsoring Agency |
|------------------------------|---|--|--|
| Prof. Dr. Muhammad Qamar Ali | سید ہجویر کے منہج دعوت کی اساس | Maaraf e Hajveria Page 63-76 Serial 3, Publication 6 May 2014 | P. U. Lahore |
| Prof. Dr. Muhammad Qamar Ali | Continuity in written namation of al hadith from Prophetic period to compiling period | Oriental College Magazine 88/4 Page 25-34 Oct-Dec 2014 | P. U. Lahore |
| Dr. Hamid Ashraf Hamdani | المبرد الأزدي وإسهامه في علوم البلاغة | Oriental College Magazine 89/1 | P. U. Lahore |
| Dr. Hamid Ashraf Hamdani | صعوبات تعليم اللغة العربية للناطقين بغيرها | Oriental College Magazine 89/2 | P. U. Lahore |
| Dr. Hamid Ashraf Hamdani | المفتي محمد شفيع شاعرًا عربيًا | Oriental College Magazine 89/3 | P. U. Lahore |
| Dr. Hamid Ashraf Hamdani | نقيب احمد الديروي شاعرًا عربيًا | Oriental College Magazine 89/4 | P. U. Lahore |
| Dr. Haris Mubeen | الإشتراك اللفظي في أبحاث المحدثين | Al Qalam, Page 1-21, Vol.19, No.1 June 2014 | Islamic Studies Department, P. U. Lahore |
| Dr. Haris Mubeen | الإشتراك اللفظي بين الاثبات والانتكار عند القدامى | مجلة تحقيق, Page 5-38, Vol.34, | Faculty of Oriental |



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|------------------------|--|---|---|
| | | No.96 2014 | Learning, PU, Lahore |
| Dr. Haris Mubeen | أقسام أقسام القرآن | Al Qalam, Vol.19, No.2 Dec 2014 | Islamic Studies Department, P. U. Lahore |
| Dr. Hafiz Abdul Qadeer | تأثير الأدب العربي في شعر اقبال | Oriental College Magazine, V Vol. 89, 4 | P. U. Lahore |
| Dr. Abdul Majid Nadeem | السيد صديق حسن خان الفنوجي وجهوده اللغوية | Oriental College Magazine, Vol. 88, 4 | P. U. Lahore |

Books

| Authors Name | Book Name | Publisher | No. of Pages | Year of Publication |
|------------------------|-----------|---|-----------------|------------------------|
| Dr. Abdul Majid Nadeem | تركي زبان | Rumi Chair, Oriental College, PU, Lahore. | 180 | 2014 |

Conferences, Seminars and Workshops, etc.

| Conference / Seminar / Workshop | Title & Date | Sponsor | Organizer |
|--|--|-------------------------------------|--|
| (Presented By) Dr. Hamid Ashraf Hamdani | استثمار اللغة الربية و مستقبلها العربي والدولي 10-7 مايو 2014م | University of the Punjab, Lahore | دبي |
| (Presented By) Dr. Hamid Ashraf Hamdani | المبرد الأزدي جهوده العلمية و آثاره اللغوية والأدبية 15-16 April 2014 | University of the Punjab, Lahore | جامعة آل البيت: المملكة الأردنية الهاشمية الأردن |
| (Presented By) Dr. Hamid Ashraf Hamdani | الأنساق اللغوية والسياقات الثقافية في تعليم اللغة العربية 22-24 April 2014 | University of the Punjab, Lahore | الجامعة الأردنية- الأردن |
| (Presented By) Dr. Hafiz Abdul Qadeer | المبرد الأزدي جهوده العلمية و آثاره اللغوية والأدبية 15-16 April 2014 | University of the Punjab, Lahore | جامعة آل البيت: المملكة الأردنية الهاشمية الأردن |
| (Presented By) Dr. Hafiz Abdul Qadeer | الأنساق اللغوية والسياقات الثقافية في تعليم اللغة العربية 22-24 April 2014 | University of the Punjab, Lahore | الجامعة الأردنية- الأردن |
| (Presented By) Dr. Hafiz Abdul Qadeer | الدرس المقارني وتجاوز الآداب 28-30 April 2014 | University of the Punjab, Lahore | جامعة تونس- تونس |
| (Presented By) Dr. Hafiz Abdul Qadeer | لاهور کی ممتاز عارف و ولي سيد علي بن عثمان هجویری 27 January 2014 | University of the Punjab, Lahore | رازي هال، جامعہ بنجاب، لاہور |
| Workshop (Presented By) Dr. Abdul Majid Nadeem | التفسير اللغوي November 2013 | University of the Punjab, Lahore | Samsun, Turkey |
| Conference (Presented By) | أبو الحسن الندوي وآراؤه في الأوضاع الجارية | University of the Punjab, Lahore | Aligarh, India |



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| Dr. Abdul Majid Nadeem | 22-24 February 2014 | | |
|------------------------|---------------------|--|--|

Research Journals

| Journal Name | Editor Name | Remarks |
|--|----------------------------|---------|
| Majallah Al Qism Al Arabi, Department of Arabic, PU, Lahore Issue No. 21 / 2014 | Prof. Dr. Khaliq Dad Malik | Annual |

DEPARTMENT OF HINDI LANGUAGE**Library**

A Library of the Hindi Language was established in 2004. Currently it has 1984 new Hindi books including reference books, dictionaries, literature books being supplied from India. 400 old Hindi books, magazines, journals and 4127 old Sanskrit books are also kept in the library of Hindi Department. The Librarian Saima Rubbani has been maintaining the Library since 2008 to date

DEPARTMENT OF IQBAL STUDIES

o Research & Development - An Overview

Published the 3rd Vol. of Dairah-e-Maarif-e-Iqbal which contains 102 research articles. 21 research articles composed by Dr. S. Muhammad Akram and 8 research articles composed by Prof. Dr Rafi ud Din Hashmi.

o Projects:

(i) Completed (duration, sponsoring agency, funding)

(ii) Newly launched Publications: Books/ Edited

for example: Authors name, Article name, Journal with date, duration, sponsoring agency, funding

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

o Research Journals 2013-14 (Authors name, Article name, Journal with date)

Innovational Commercialization [Related to ORIC]

o Operation of Office of Research, Innovation and Commercialization (ORIC)

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)• **Research & Development**

- **Dr. Nusrat Nisar** completed a research project Titled: Aalmi Hasiyat Ka Kashmiri Tarjmaan "**Abdul Rehman Rahi**".
- **Dr. Kh. Zahid Aziz** completed a research project Titled: "**British Policy and Kashmir**".
- **Dr. Syed Ali Raza** completed a research project Titled: "**Riyasat Jammu Kashmir Ki Dastkarion Ki Moashi Ehmiyat**".
- **Dr. Asghar Iqbal** completed a research project Titled: "**Kashmir Ki Aalaqai Zubanein**".

• **CONFERENCES, SEMINARS AND WORKSHOPS**



1. **Mahjoor—National Poet of Kashmir**, 07th October, 2013, Kashmiryat Department, University of the Punjab, Lahore.
2. **Kashmiri Siqafat Aur Irani Tehzeeb**, 19th November, 2013, Kashmiryat Department, University of the Punjab, Lahore.
3. **Kashmir Dispute**, 04th December, 2013, Kashmiryat Department, University of the Punjab, Lahore.
4. **Kashmir Main Ghair Mulki Mohaqaqeen ka Kirdar**, 16th January, 2014, Kashmiryat Department, University of the Punjab, Lahore.
5. **Kashmir Main Urdu Zaban ky Adab Ki Tarveej**, 12th February, 2014, Kashmiryat Department, University of the Punjab, Lahore.
6. **Kashmiri Aur Punjabi Zaban Ky Rawabit**, 6th March, 2014, Kashmiryat Department, University of the Punjab, Lahore.
7. **AJK Govt. & its constitutional Position**, 24th April, 2014, Kashmiryat Department, University of the Punjab, Lahore.
8. **Abdul Ahad Azad--- A famous Kashmiri poet**, 28th May, 2014, Kashmiryat Department, University of the Punjab, Lahore.

International Conferences:

1. Mutala-e-Seerat ki Muanivirat Aur Asr-e-Haazir, October, 2013.
 - RESEARCH COLLABORATION
 - Indigenous (Title only)
 - Foreign Linkages
 - Funding Grants for R&D

DEPARTMENT OF PERSIAN

- **Research & Development**

- **Publication : Books/Edited**

- **Muhammad Saleem Mazhar**, Dr. Umbreen Javed & Dr. Naheed S. Goraya, (2013) “Contemporary of Geo Politics: Afghanistan & Pakistan”. Department of Persian, University of the Punjab, Lahore
- **Dr. Muhammad Nasir (2014)**, “Rehnam’ay Sooba Kharasan Rizvi”, Wazarat e Farhang, Mashhad, Iran
- **Dr. Muhammad Athar Masood (2014)** “Naghma-e-Qudsi” Tehzeeb Foundation, Karachi.
- **Dr. Muhammad Athar Masood (2014)** “Maqalat-e-Masood” Oriental Publications, Lahore.

RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:

- **Muhammad Saleem Mazhar & Naheed S. Goraya (2013)**, “A Critical Analysis of Vietnam War in Comparison with Afghanistan War” An International Journal of South Asian Studies, University



of the Punjab, Lahore , Vol.28 No.02, X-Category.

- **Muhammad Saleem Mazhar & Naheed S. Goraya (2013), “Foreign Policy of Pakistan: Internal Challenges”,** Journal of Political Studies, Department of Persian, Lahore. Vol.20 No.02.
- **Muhammad Saleem Mazhar (2013), “University of the Punjab, Lahore-Pakistan”,** The Encyclopedia of Persian language & Literature in the Sub Continent. Persian language & Literature Authority, **Tehran. Iran** Vol-III.
- **Muhammad Saleem Mazhar (2014), “Geneva Deal: Beginning of a New Era between Iran-US Relations”,** Research Journal of South Asian Studies, University of the Punjab, Lahore, Vol.29 No.01.
- **Ghulam Moeen ud Din (2014), “Kashf al Mahjub ka Wahid Malooma Hashiya”,** Oriental College Magazine, University of the Punjab, Lahore.
- **Ghulam Moeen ud Din (2014), “ Lahore Museum kay Makhtotat e Kashf al Mahjub”,** Mujallah Tahqiq, Oriental College, PU, Lahore.
- **Ghulam Moeen ud Din (2014), “ Nawai anad Jami”** Mujallah Tahqiq, Oriental College, PU, Lahore.
- **Ghulam Moeen ud Din (2014), “Love and Divine Love in the Teachings of Sheikh Abu al Hassan, Kharaqani,** Mujallah Tahqiq, Oriental College, PU, Lahore.
- **Ghulam Moeen ud din (2014), “ Khawaja Ghulam Farid: Malfoozat ki Roshni main aik Nafsiyati Mutalaya”,** Mujallah Tahqiq, Oriental College, PU, Lahore.
- **Ghulam Moeen ud Din (2014), “Nigahi ba Muqadma Kashf al Mahjub az Hazrat Syed Ali Hujvairi,** Oriental College Magazine, PU, Lahore
- **Ghulam Moeen ud Din (2014), Istifada az Jah wa Mansab wa Darayi-e- Dolati Dar Ayina-ye Amuze ha-ye Nabavi, Maarif-i-Auliya, Vol. 12 No. 01**
- **Ghulam Moeen ud Din (2014) Nigahi be Moqaddime-ye Kashf al -Mahjub az Hazrat Syed Ali Hajvery, Mujalla Maarif-i-Auliya Vol. 12, Shumara 4.**
- **Muhammad Nasir (2014), “Munaqaz Nehae der Khamsa e Khusro”,** Mujallah Tehqiq, Oriental College, PU, Lahore. Vol. 94.
- **Muhammad Nasir (2014), “Tanaqaz der Sher e Farsi Iqbal”,** Mujallah Tehqiq, Oriental College, PU, Lahore. Vol. 95.
- **Muhammad Nasir (2014), “Barasi Maktobat e Bazurgan e Silsila e Chishtiya”,** Mujallah Tehqiq, Oriental College, PU, Lahore. Vol.56.
- **Muhammad Nasir (2014), “Barasi “Sir baz shokolaati: Tarjuma e az sameen e danashwer”,** SAFEENEH, Persian Department, PU, Lahore, Vol.10.
- **Muhammad Nasir (2014), “Asloob o Andaisha e Jami”,** Oriental College Magazine, PU, Lahore.
- **Muhammad Nasir (2014), “Istaqbal Jami der Shaba qara shehr andaisha hye Shahr Yar”** Mujallah Danishqada, Adbiyat danishqah Mili Tajikistan, Doshambay. Vol.97.



- **Najam ur Rashid(2014)**“Masnavie Eashatan, Shibhe Qara” Iran Vol-02 page 201-214.
- **Najam ur Rashid(2014)** “Masnavie Yousaf Kashmiri” Oriental College Magazine, University of the Punjab, Lahore Vol-89/1 page 71-78.
- **Najam ur Rashid(2014)** “Dewan e Khushdil: Editing and Introductory Study” Oriental College Magazine, University of the Punjab, Lahore Vol-89/3 page 37-50.
- **Najam ur Rashid (2014),** “Bazmiyae Arjomand Baig Qabool”, “SAFEENAH”, University of the Punjab, Lahore, Pakistan. Vol.10.
- **Syed Muhammad Farid & Sofia Sabir (2014),** “Classical Persian Memlook period in Sub-Continent” Oriental College Magazine, University of the Punjab, Lahore. Vol- 89.
- **Syed Muhammad Farid (2014),** “Imported of Prose Writer of Iran and Central Asian in Sub Continent in Lohdi Period” Majallah-e-Tahqiq, University of the Punjab, Lahore, Volume 94,
- **Muhammad Sabir & Najam ur Rashid (2014),** “معرفی و تصحیح دیوان خوشدل”, Oriental College Magazine, University of the Punjab, Lahore Vol-89/3.
- **Muhammad Sabir & Najam ur Rashid (2014),** “داستان مرزا و صاحبان و داستان سریان زبان فارسی”, Oriental College Magazine, University of the Punjab, Lahore Vol-89/1.
- **Shoaib Ahmad (2014),** “Khud Shanasi Az Deedga Ghazali wa Moulana”, Majallah-e-Tahqiq, University of the Punjab, Lahore.
- **Shoaib Ahmad (2014),** “Hazrat Sayed Sli Hujveri kay Asatiza or Mashaykh”, Majallah-e-Tahqiq, University of the Punjab, Lahore.
- **Shoaib Ahmad (2014),** “Silsila e Soharwardiya ki Deni, Elmi, Aadbi or Saqafati Khidmaat”, “SAFEENAH”University of the Punjab, Lahore, Pakistan.
- **Shoaib Ahmad (2014),** “Jadeed Irani Shayraat, Taurfi Jayza”, Oriental College Magazine, University of the Punjab, Lahore
- **Dr. Muhammad Athar Masood (2014),** “رشید ملک احوال و آثار”, Majallah-e-Tahqiq, University of the Punjab, Lahore-94-95.
- **Dr. Muhammad Athar Masood (2014),** “جلال آل احمد”, SAFEENAH” University of the Punjab, Lahore, Pakistan. Vol-12
- **CONFERENCES, SEMINARS AND WORKSHOPS**
- **Muhammad Saleem Mazhar (2014),** An International Conference, University of Payam e Noor, Iran.
- **Muhammad Saleem Mazhar (2014),** International Firsousi Seminar and Exhibition of Iran Shanasi”, University of the Punjab, Lahore.
- **Muhammad Saleem Mazhar (2014),** National Conference “Syed Hujvair Seminar” University of the Punjab, Lahore
- **Muhammad Saleem Mazhar (2014),** National Iqbal Conference, senate Hall, University of the Punjab, Lahore.



- **Muhammad Saleem Mazhar (2014), “International Iqbal Conference 9 Nov.”**, Department of Persian, University of the Punjab, Lahore
- **Ghulam Moeen ud Din (2014), “National Conference “Millat e Islamia kay Ittihad kay Imkanaat Iqbal ki Nazer Main”** Department of Iqbaliyat, Allama Iqbal Open University, Islamabad.
- **Ghulam Moeen ud Din (2014), International Firsousi Seminar and Exhibition of Iran Shanasi”**, University of the Punjab, Lahore.
- **Ghulam Moeen ud Din (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Ghulam Moeen ud Din (2014), National Iqbal Conference**, senate Hall, University of the Punjab, Lahore.
- **Ghulam Moeen ud Din (2014), “International Iqbal Conference 9 Nov.”**, Department of Persian, University of the Punjab, Lahore
- **Muhammad Nasir (2014), “International Conference Jami w Gustrush Adbiyat Farsi Tajki”**, Tajiksitan National University, Tajiksitan.
- **Muhammad Nasir (2014), International Conference Shehr Yar**, Tebraiz, Iran
- **Muhammad Nasir (2014), One Day International Conference “ Firsousi Seminar and Exhibition of Iran Shanasi”**, University of the Punjab, Lahore.
- **Muhammad Nasir (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Muhammad Nasir (2014), “International Iqbal Conference 9 Nov.”**, Department of Persian, University of the Punjab, Lahore
- **Najam ur Rashid (2014), One Day International Conference “ Firsousi Seminar and Exhibition of Iran Shanasi”**, University of the Punjab, Lahore.
- **Najam ur Rashid (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Najam ur Rashid (2014), “International Iqbal Conference 9 Nov.”**, Department of Persian, University of the Punjab, Lahore
- **Syed Muhammad Farid (2014), One Day International Conference “Firsousi Seminar and Exhibition of Iran Shanasi”**, University of the Punjab, Lahore.
- **Syed Muhammad Farid (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Syed Muhammad Farid (2014), “International Iqbal Conference 9 Nov.”**, Department of Persian, University of the Punjab, Lahore
- **Muhammad Sabir (2014), One Day International Conference “ Firsousi Seminar and Exhibition of Iran Shanasi”**, University of the Punjab, Lahore.



- **Muhammad Sabir (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Muhammad Sabir (2014), “International Iqbal Conference 9 Nov.”,** Department of Persian, University of the Punjab, Lahore
- **Muhammad Athar Masood (2014), “37th International Sangeet Semalen”** National Theatre Chanddigar, India
- **Muhammad Athar Masood (2014), One Day International Conference “ Firsousi Seminar and Exhibition of Iran Shanasi”,** University of the Punjab, Lahore.
- **Muhammad Athar Masood(2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Muhammad Athar Masood (2014), “International Iqbal Conference 9 Nov.”,** Department of Persian, University of the Punjab, Lahore
- **Ihsan Ahmad (2014), One Day International Conference “ Firsousi Seminar and Exhibition of Iran Shanasi”,** University of the Punjab, Lahore.
- **Ihsan Ahmad (2014), National Conference “Syed Hujvair Seminar”** University of the Punjab, Lahore
- **Ihsan Ahmad (2014), “International Iqbal Conference 9 Nov.”,** Department of Persian, University of the Punjab, Lahore

DEPARTMENT OF PUNJABI

- **Publication : Books/Edited**
 - Prof. Dr. Saeed Khawar Bhutta. **Raj Kahani, Sanjh, 2013**
 - Prof. Dr. Nabila Rehman. **Gurmukhi Shahmukhi (Perhai lakhai), PU, Jan 2014**
 - Dr. Asma Qadri. **Punjabi clasic shairi da sinf vairva “part 3rd (Tehqeeq), Jul 2014**
 - Dr. Saadat Ali Saqib, **Chinta de raat (Punjabi shairi), 2014**
- **RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:**
 - Prof. Dr. Ismat ullah Zahid. **“Critical Vision of Mian Muhammad Bukhsh” Oriental College Magazine Volume No.89-2**
 - Prof. Dr. Ismat ullah Zahid **“Noushani order of Sufism” Oriental Colleg Magazine Volume 89-3**
 - Prof. Dr. Saeed Khawar Bhutta **“Mirza Sahiba” Punjabi Adab, Volum No. 29.1-3**
 - Prof. Dr. Saeed Khawar Bhutta **“Punjabi Look Reet” Punjabi Adab, Volum No.29.1-3**
 - Prof. Dr. Saeed Khawar Bhutta **“The legend of the punjab Kuj navy vichar” Punjabi Adab, Volume No. 29.4-9**
 - Prof. Dr. Saeed Khawar Bhutta **“sassi punu” Punjabi Adab Volume No. 29.10-12**
 - Prof. Dr. Nabila Rehman **Pakistan Punjabi adab dy muhar Sunwad ,Toronto, Canada,**



Volume No.25

- Dr. Nahid Shahid Wasif ali wasif ki Punjabi shairi Mujallah Tehqeeq, Oriental College, Jan-Mar 2014,
- Dr. Nahid Shahid Baba Farid da alamaty Izhar(Pehly bol/Shalook Rahain) Oriental College Magazine PU, Apr-Jun 2014.
- Dr. Nahid Shahid Shah Hussain di alamaty fikr Dr. Nahid Shahid Wasif ali wasif ki Punjabi shairi Mujallah Tehqeeq, Oriental College, Apr-Jun 2014
- Dr. Naveed Ahmed Shahzad Khawaja ghulam fareed ky sufiyana nazriyat Oriental College Magazine PU,.Apr-Jun 2014.
- Dr. Naveed Ahmed Shahzad Punjab wich angraiza di lasani paleesi Mujallah "Crescent" Govt Islamia College, Lahore, 2014
- **CONFERENCES, SEMINARS AND WORKSHOPS**
 - Prof. Dr. Ismat ullah Zahid "**International Punjabi Conference**" Punjabi Department Punjab University Lahore, 2013.
 - Prof. Dr. Ismat ullah Zahid "**Seerat Un Nabi Seminar**" Punjabi Department Punjab **University Lahore, 2013**
 - Prof. Dr. Ismat ullah Zahid "**Ahley Qalam Conference**" Islamabad, 2013
 - Prof. Dr. Ismat ullah Zahid "**International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
 - Prof. Dr. Ismat ullah Zahid, "**Seerat Un Nabi Seminar**" Punjabi Department Punjab **University Lahore, 2014**
 - Prof. Dr. Ismat ullah Zahid "**International Mother Day**" Punjabi Department Punjab **University Lahore, 2014**
 - Prof. Dr. Nabila Rehman "**International Punjabi Conference**" Punjabi Department Punjab University Lahore, 2013.
 - Prof. Dr. Nabila Rehman "**Seerat Un Nabi Seminar**" Punjabi Department Punjab **University Lahore, 2013**
 - Prof. Dr. Nabila Rehman "**International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
 - Prof. Dr. Nabila Rehman "**Seerat Un Nabi Seminar**" Punjabi Department Punjab **University Lahore, 2014**
 - Prof. Dr. Nabila Rehman "**International Mother Day**" Punjabi Department Punjab **University Lahore, 2014**
 - Dr. Naheed Shahid "**International Punjabi Conference**" Punjabi Department Punjab University Lahore, 2013.



- Dr. Naheed Shahid **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2013**
- Dr. Naheed Shahid **“International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
- Dr. Naheed Shahid **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2014**
- Dr. Naheed Shahid **“International Mother Day” Punjabi Department Punjab University Lahore, 2014**
- Dr. Naveed Shahzad **“International Punjabi Conference” Punjabi Department Punjab University Lahore, 2013.**
- Dr. Naveed Shahzad **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2013**
- Dr. Naveed Shahzad **“International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
- Dr. Naveed Shahzad **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2014**
- Dr. Naveed Shahzad **“International Mother Day” Punjabi Department Punjab University Lahore, 2014**
- Dr. Saadat Ali Saqib **“International Punjabi Conference” Punjabi Department Punjab University Lahore, 2013.**
- Dr. Saadat Ali Saqib **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2013**
- Dr. Saadat Ali Saqib **“International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
- Dr. Saadat Ali Saqib **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2014**
- Dr. Saadat Ali Saqib **“International Mother Day” Punjabi Department Punjab University Lahore, 2014**
- Dr. Asma Qadri **“International Punjabi Conference” Punjabi Department Punjab University Lahore, 2013.**
- Dr. Asma Qadri **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2013**
- Dr. Asma Qadri **“International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014**
- Dr. Asma Qadri **“Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2014**



- Dr. Asma Qadri “International Mother Day” Punjabi Department Punjab University Lahore, 2014
- Dr. Zaheer Ahmed Shafique “International Punjabi Conference” Punjabi Department Punjab University Lahore, 2013.
- Dr. Zaheer Ahmed Shafique “Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2013
- Dr. Zaheer Ahmed Shafique “International Punjabi Conference, Punjabi Department Punjab University Lahore, 2014
- Dr. Zaheer Ahmed Shafique “Seerat Un Nabi Seminar” Punjabi Department Punjab University Lahore, 2014
- Dr. Zaheer Ahmed Shafique “International Mother Day” Punjabi Department Punjab University Lahore, 2014

RESEARCH COLLABORATION

- Funding Grants for R&D (for the Year 2013-14)

(Four Ph.D teachers have received research grant from Punjab University)

DEPARTMENT OF URDU

- Publication : Books/Edited
 - Prof. Dr. Muhammad Kamran. *Ahmed Ali's Twilight in Delhi (2nd Edition)*. Lahore: Mavra Publishers, 2014.
 - Dr. Zia-ul-Hassan. *Azal Say*. Lahore: Multimedia Affaires, 2014.
- Chapters in Edited Book:
 - i. Prof. Dr. Muhammad Fakhar ul Haq Noori, *Jaam Rakha hai Abhi __ Aas Narash ki Shaery*. Include in: *Jam Rakha hai Abhi*. Lahore: Ma'rooma Publishers, 2014.
 - ii. Prof. Dr. Muhammad Fakhar ul Haq Noori, *Ta'aruf*. Include in: *Masnavi Moulana Room (Urdu Tajjim o Shurooh ka Mutala')*. Lahore: 2014.
 - iii. Prof. Dr. Zahid Munir Amir. *Dr. Wazir Agha ki Nazmo main Tasawarat e Zaman o Makan*. Include in: *Sargodhar main Wazir Aghar Shanasi*. Sargodha: Sep 2014.
 - iv. Prof. Dr. Zahid Munir Amir. *Dr. Wazir Agha "" Sawanhi Khaka*. Include in: *Sargodhar main Wazir Aghar Shanasi*. Sargodha: Sep 2014.
- RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:
 - Prof. Dr. Muhammad Kamran, *The Role of Internet in Teaching and Exploring of Contemporary Pakistani Literature in 21st Century*. Include in: *Bazyaft*. Vol-25, Urdu Department, Oriental College, University of the Punjab, Lahore, July-December 2014.
 - Prof. Dr. Muhammad Fakhar-ul-Haq Noori, *Majeed Amjad aur Ham Asar Nazm go Shoara'*. Include in: *Bazyaft*. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24,



Jan-Jun 2014.

- Prof. Dr. Zahid Munir Amir. **Majeed Amjad ki Nazmon main Tasawraat w Zaman ka Tadreeji Irtiqa**. Include in: **Bazyaft**. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24, Jan-Jun 2014.
- Prof. Dr. Zahid Munir Amir. **Moulana Zafar Ali Khan ki Na'ton main Mustaqbil ki Jhalak**. Include in: **Adbiat**. Islamabad: Jan-Jun 2014.
- Dr. Baseera Ambreen. **Majeed Amjad Tanzia o Istehzaia Usloob**. Include in: **Bazyaft**. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24, Jan-Jun 2014.
- Dr. Zia ul Hassan. **Majeed Amjad ki Nazm "Imroz"**. Include in: **Bazyaft**. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24, Jan-Jun 2014.
- Dr. Zia-ul-Hassan, **Naheed Shahid kiShaaeri kay Chand Bunyadi Isteary**. Include in: Monthly **Biyaz**. Lahore: March 2014.
- Dr. Zia-ul-Hassan, **Nayyar Masood ka Afsana "Maskan": Tajziati Mutala'a**. Include in: Monthly **Bunyad**. Lahore: Vol-5, LUMS, 2014-
- Dr. Zia-ul-Hassan, **Nayyar Masood ka Afsana "Maskan": Tajziati Mutala'a**. Include in: **Ijmal**. Karachi: Vol-6, Jan 2014.
- Dr. Nasir Abbas Nayyar. **Majeed Amjad ki Nazm ki Jamaliat (Saqafat o Fitrat kay Siaq Main)**. Include in: **Bazyaft**. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24, Jan-Jun 2014.
- Arifa Shehzad. **Majeed Amjad Shaery kay Ingrezi Tarajim**. Include in: **Bazyaft**. Lahore: Urdu Department, Oriental College, University of the Punjab, Vol-24, Jan-Jun 2014.
- **CONFERENCES, SEMINARS AND WORKSHOPS**
 - Prof. Dr. Muhammad Kamran, Seminar Topic: **International Urdu Conference**. Article Topic: **Adab ki Tadrees main Internet ka Kirdar**. Organized by: Urdu Department, Islamia University, Bahawalpur. Dated: 24-26 March 2014.
 - Prof. Dr. Muhammad Kamran, Seminar Topic: **8th Global Conference – Multiculturalism, Conflict and Belonging**. Article Topic: **The Role of Internet in Teaching and Exploring of Contemporary Pakistani Literature in 21st Century**. Organized by: Inter-Disciplinary.Net, Oxford, U.K. Dated: 11-13 September 2014.
 - Prof. Dr. Muhammad Kamran, Seminar Topic: **National Seminar on Majeed Amjad**. Article Topic: **Majeed Amjad ki Nazmon Mein Tasawurat e Zaman-o-Makan**. Organized by: Urdu Department, Oriental College, University of the Punjab, Lahore. Dated: 10 April 2014.
 - Prof. Dr. Muhammad Fakhar-ul-Haq Noori. Seminar Topic: **Conference**. Article Topic: **Khawjgaan e Chist aur Niabat Rasool Filhind**. Organized by: Markaz e Tehqiq, Faisalabad. Dated: 1-2 March 2014.



- Prof. Dr. Muhammad Fakhar-ul-Haq Noori. Seminar Topic: **International Urdu Conference**. Article Topic: **Nasir Nazm aur Ikisveen Sadi ka Shieri Manzarnama**. Organized by:  Urdu & Iqbaliat Department, Islamia University, Bahawalpur. Dated: 24-26 March 2014.
- Prof. Dr. Muhammad Fakhar-ul-Haq Noori. Seminar Topic: **Conference on Iqbal**. Article Topic: **Shikwa/Jawab e Shikwa: Mazi aur Hal**. Organized by:  Urdu Department, Hazara University, Mansehra. Dated: 21-23 April 2014.
- Prof. Dr. Muhammad Fakhar-ul-Haq Noori. Seminar Topic: **Conference**. Article Topic: **Alamgeeriat aur Urdu Zuban par is kay Asraat**. Organized by:  Urdu Department, International Islamic University, Islamabad. Dated: 14 May 2014.
- Prof. Dr. Zahid Munir Amir. Seminar Topic: **National Seminar on Majeed Amjad**. Article Topic: **Majeed Amjad ki Nazmon main Tasawraat e Zaman ka Tadreeji Irtiqat**. Organized by: Urdu Department, Oriental College, University of the Punjab, Lahore. Dated: 10 April 2014.
- Arifa Shehazd, Seminar Topic: **National Seminar on Majeed Amjad**. Article Topic: **Majeed Amjad ki Shaery kay Angrezi Tarajim**. Organized by: Urdu Department, Oriental College, University of the Punjab, Lahore. Dated: 10 April 2014.

UNIVERSITY ORIENTAL COLLEGE

Details mentioned in the report of the above Teaching Departments of this College

o Conference, Seminars and Workshops, etc.

- i) Punjabi Mushra organized by the Masood Khaddar Posh Trust held on 01-11-2013 in the Shanari Hall, with the collaboration of Department of Punjabi.
- ii) Under the directive of the Government of Punjab and Punjab University, special lecturer of Dr. Taqueer Ali, Medical Officer, Allama Iqbal Campus regarding on “Dengue Eradication and awareness campaign” held on 03-11-2013 in the Sharani Hall, presided by Dean/Principal.
- iii) A program of Eid-Melad-un-Nabi (PUBH) Naatia Mushira/Naat held on 28-01-2014 in the Sharni Hall with the collaboration of Punjabi Department, special khatab on Seerat-un-Nabi (PUBH) by the Khateeb of Data Darbar Mosque. The Vice Chancellor, University of the Punjab was the chief guest of this program.
- iv) Two days “International Punjabi Sufi Conference & Mushira” held on 12,13-03-2014 in the Sharani Hall with the collaboration of Department of Punjabi in which Foreign (India, Turkey, Canada & Iran) and Pakistani eminent scholars participated. The Vice Chancellor was the chief guest of this conference.
- v) One day Firdausi Conference held on 06-03-2014 with the collaboration of Persian Department in which Foreign (Turkey & Iran) and Pakistani eminent scholars participated. The Vice Chancellor was the chief guest of this conference.



- vi) A: One day “National Urdu Conference” held on 10-04-14 in the Sharani Hall, presided: Vice Chancellor, University of the Punjab, special speech by eminent scholars: Intizar Hussain and Ata-ul-Haq Qasmi with the collaboration of Urdu Department.
B: National Urdu Mushar held on 11-04-2014 in the Oriental College Lawn, participated: famous Urdu poets of the country with the collaboration of Urdu Department.
- vii) مکالمہ بین الجامعات: موضوع: معاشرے میں عدم برداشت کا رجحان اور اس کی اصلاح held on 07-05-2014 in the Punjab University Senet Hall with the collaboration of Department of Auqaf, presided by Vice Chancellor, Punjab University. Chief Guest: Secretary Auqaf , Participant: Students of Hajvari University, Government College University and University Oriental College.
- viii) Two weeks workshop (refresher course) on Persian language & literature held on 16 to 28 June 2014 organized by Persian Department with the collaboration of Oriental College, participated the teachers of Persian language from all over the Punjab Govt. Colleges.
- o **Research Journal**
Recognized and historical Research Journal “Oriental College Magazine” has been publishing since 1925.
- o **Linkages with Foreign Universities:**
* Al-Jamia Al-Azhar, Cairo, Egypt. * Daito Bunka University Tokyo, Japan
* Ningxia University, China * Tehran University, Iran.
* King Saud Univesity, Al-Riadh, Saudi Arabia
- o **Funding Grants for Research Development:**
HEC scholarships awarded to faculty members.
Details mentioned in the report of the Teaching Departments of this College.

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

Research & Development

All teaching faculty in the University College of Pharmacy is involved in Research and Development. This research is in the fields of National priority areas. The faculty is involved in research in the disciplines of Pharmaceutics (formulation design, Clinical Pharmacy, Biopharmaceutics and



Pharmacokinetics), Pharm Chemistry (Analytical, Physical and Medicinal chemistry), Pharmacology and Pharmacognosy).

Projects:

Completed (**duration, sponsoring agency, funding**)

- Mr. Amjad Hussain completed his project funded by University of the Punjab.

Newly launched

- More than 09 faculty members applied for newly launched projects funded by University of the Punjab this year

Publications: Books/ Edited

- Nadeem Irfan Bukhari, Biopharmaceutics and Pharmacokinetics – An activity based learning (2nd Edition) Reprint 3, Raaz Publishers, Lahore Pakistan
- Prof. Dr. Khalid Hussain, Practical Manual for instrumentation and pharmaceutical Analysis. Pharm D student (3rd Edition), Raaz Publishers, Lahore Pakistan
- Imran Tariq, Practical Approach for Pharmaceutical dispensing for Pharm D student (2nd Edition), Raaz Publishers, Lahore Pakistan.
- Amjad Hussain, Manual of Clinical Pharmacy for Pharm D student (4th Edition), Raaz Publishers, Lahore Pakistan.
- Pervaiz Akhter Shah, Practical Manual of industrial Pharmacy for Pharm D student (Revised Edition), Raaz Publishers, Lahore Pakistan.

Publications :

- Irfan Sohail, Khalid Hussain*, Nadeem Irfan Bukhari, Muhammad Islam, Muhammad Tanveer Khan, Furqan Khurshid Hashmi, Abida Latif, Amjad Hussain, Muhammad Zeeshan Danish, Dure-E-Shahwar, Rahat Shamim and Naureen Shahzadi. Analytical, Antioxidant and Hepatoprotective Studies on Extracts of Oxalis corniculata Linn J.Chem.Soc.Pak., Vol. 36, No. 4, 2014
- Ghulam Murtaza, Kuo Gao, Tiegang Liu, Ashif Sajjad, Muhammad Rouf Akram, Meiying Niu, Guokai Liu, Imran Tariq*, Zahid Mehmood and Guihua Tian Current and Future Lymphatic Imaging Modalities for Tumor Staging Bio Med Research International vol.2014, ArticleID714674
- Asia Taha, Saira Azhar, Talib Lone, Ghulam Murtaza, Shujaat Ali Khan, Amara Mumtaz, Muhammad Hassam Hassan Bin Asad, Rozina Kousar, Sabiha Karim, Imran Tariq*, Syed Saeed ul Hassan, Izhar Hussain. Iron deficiency anaemia in reproductive age women attending obstetrics and Gynecology outpatient of university health centre in Al-Ahsa, Saudi Arabia. African Journal of Traditional, Complementary and Alternative Medicine. Vol 11
- Syed Saeed-ul-Hassan, Imran Tariq*, Muhammad Tayyab Ansari, Arshad A. Shah & Sohail Amjad. Evaluation of Physicochemical Parameters of Selected Brands of Pharmaceutical Oils Sold in Punjab, Pakistan. Latin American Journal of Pharmacy 33.



- H Ullah, B Ullah, S Karim, AK Khan, S Mir, A Baseer, Imran Tariq, S Azharand, G Murtaza. Malnutrition amongst Under-FiveYears Children in Swat,Pakistan: Prevalence and Risk Factors. Tropical Journal ofPharmaceuticalResearch13.
- MuhammadT. Ansari, Muhammad Imran, Syed S.ul. Hassan, Imran Tariq & Ghulam Murtaza. Solubility Enhancement of Dihydroartemisinin using Mixtureof Hydroxypropyl- β -cyclodextrinand PEG-6000. Latin AmericanJournal of Pharmacy 33.
- Pervaiz A. Shah, Sajid Bashir, Imran Tariq, Muhammad A. Hafiz. Fabrication of Lornoxicam Loaded EudragitL-100 Microcapsules by SprayDrying. Latin American Journal of Pharmacy33.
- Yuhao Zhao, Qingqiong Deng, Saira Azhar, Sabiha Karim, Abida K. Khan, Imran Tariq, Ghulam Murtaza, Mingquan Zhou & Yanxu MA. Role of Pharmacists in Healthcare System of a Developing Country, Pakistan: a Consumers' Perception. Latin American Journal of Pharmacy33.
- Muhammad Farhan Sohail, Pervaiz Akhtar Shah, Imran Tariq, Syed Saeed-ul-Hassan, Umair Amin, Syed Atif Raza, Tariq Saeed, Misbah Sultana and Najam ul Hassan Jawa. Development and In vitro Evaluation of Flurbiprofen Microcapsules Prepared by Modified Solvent EvaporationTechnique. Tropical Journal of Pharmaceutical Research13.
- Syed Saeed Ul Hassan, Imran Tariq, Uzma Hayat,Irshad Ahmad, MuhammadMunawar Hayat, Muhammad Uzair and Muhammad Tayyab Ansari. Spectrophotometric method for the determination of Gemifloxacinmesylate in pure and tablet dosage form. Pakistan Journal of Pharmaceutical Sciences 27.
- Muhammad A. Hafiz, Sajid Bashir, Imran Tariq, Pervaiz A.Shah , Hafiz M.I.Nazar, Sohail Amjad, Abida Latif & Ghulam Murtaza. Development and In vitro Evaluation of Swellable Floating Formulation of Captopril. Latin American Journal of Pharmacy33.
- Pervaiz A. Shah, Sajid Bashir, Imran Tariq, Muhammad A. Hafiz, Hafiz I. Nazar, & Muhammad AKHTAR. A Simple RP-HPLC Method for Determination of Lornoxicam in Human Plasma. Latin American Journal of Pharmacy33.
- Aneela Maalik, Farhan A. Khan, Amara Mumtaz, Adeem Mehmood, Saira Azhar, Muhammad Atif, Imran Tariq, Sabiha Karim, Yasir Altaf. Pharmacological Applications of Quercetin and its Derivatives: A Short Review. Tropical Journal of Pharmaceutical Research13.
- M. Ahsan, Muhammad Idrees, Imran Tariq, Sohail Amjad and Arshad Ali Shah. Stress Degradation Studies and HPLC Method Development for Simultaneous Estimation of Prednisolone Acetate and Chloramphenicol in Topical Eye Drops Asian Journal of Chemistry 22.
- Hamid Saeed. Haplotype Analysis of DFNB8/10 Locus Reveals Contribution of TMPRSS3 Mutations in Pakistani Deaf Population. Genes Genom. DOI 10.1007/s13258-013-0151-z.
- Hamid Saeed, Mehwish Iqtedar. Bone Marrow Stromal Cell (BMSC) and Skeletal Aging; Role of Telomerase Enzyme. Pak. J. Pharm. Sci., Vol.27, No.2, March 2014, pp.321-333.



- Cristina Panaroni, Yi-shiuan Tzeng, Hamid Saeed, Joy Wu. Mesenchymal Progenitors and the Osteoblast Lineage in Bone Marrow Hematopoietic Niches. *Curr Osteoporos Rep.* DOI: 10.1007/s11914-014-0190-712(1) 22-32.
- Furqan Khurshid Hashmi, Russell Cail, Muhammad Islam, Zikria Saleem, Umair Amin, Khalid Hussain, *Hamid Saeed. Adaptation of WM68 Hybridoma Cell line in Minimal Serum and Serum Free Culture Conditions. *Pakistan J. of Zool.* 46.
- Partha Sinha, Piia Aarnisalo, Rhiannon Chubb, Noriaki Ono, Keertik Fulzele, Martin Selig, Hamid Saeed, Min Chen, Lee S. Weinstein, Paola Divieti Pajevic, Henry M. Kronenberg, and Joy Y. Wu (2014). Loss of Gs α Early in the Osteoblast Lineage Favors Adipogenic Differentiation of Mesenchymal Progenitors and Committed Osteoblast Precursors. DOI: 10.1002/jbmr.2270.
- Zikria*¹, Mobasher Ahmad¹, Furqan K. Hashmi¹, Muhammad Tahir Aziz², Hamid Saeed¹, Sairah Hafeez Kamran¹, Muhammad Islam¹. Comparative Study of Changes in Hepatic Profile Induced by Liposomal Doxorubicin Versus Conventional Doxorubicin Based Regimens in Cancer Patients. 2014. *Lat. Am. J. of Pharm.* 33.
- Zikria, Mobasher Ahmad, Furqan K. Hashmi, Muhammad T. Aziz, Hamid Saeed, Sairah H. Kamran & Muhammad Islam. Comparative Study of Changes in Hepatic Profile Induced by Liposomal Doxorubicin Versus Conventional Doxorubicin Based Regimens in Cancer Patients *Latin American Journal of Pharmacy (formerly Acta Farmacéutica Bonaerense)* *Lat. Am. J. Pharm.* 33.
- Furqan Khurshid Hashmi,¹ Russell Cail,² Muhammad Islam,¹ Zikria Saleem,¹ Umair Amin,¹ Khalid Hussain¹ and Hamid Saeed¹ Adaptation of WM-68 Hybridoma Cell-line in Minimal Serum and Serum Free Culture Conditions *Pakistan J. Zool.* 46.
- Sohail Amjad, Khalid Hussain*, Nadeem Irfan Bukhari, Muhammad Tanveer Khan, Abida Latif, Muhammad Islam, Sabiha Karim, Furqan Khurshid Hashmi, Amjad Hussain and Muhammad Zeeshan Danish Analytical, nutritional and biological evaluation of various brands of fortified and non-fortified wheat flour. *Pakistan Journal of Pharmaceutical Sciences* 27.
- Saleem, M., Ahmed, B., Karim, M., Ahmed, S., Ahmad, M., Qadir, M.I., Syed, N.H. Hepatoprotective effect of aqueous methanolic extract of *Rumex dentatus* in paracetamol induced hepatotoxicity in mice. *Bangladesh Journal of Pharmacology*, 9.
- Waheed, I., Ahmad, M., Syed, N.H. and Ashraf, R. Investigation of phytochemical and antioxidant properties of methanol extract and fractions of *Ballota limbata* (Lamiaceae). *Indian Journal of Pharmaceutical Sciences* 76.
- Saleem, M., Abbas, K., Naseer, F., Ahmad, M., Syed, N.H., Javed, F., Hussain, K. and Asima, S. (2014). Anticancer activity of n-hexane extract of *Cichorium intybus* on lymphoblastic leukemia cells (Jurkat cells). *African Journal of Plant Sciences*, 8.



- Khan, H. M., Ashraf, M., Ahmad, M. D., Hashmi, A. S., Syed, N. H. and Anjum, A. (2014). A.Efficacy of glycosaminoglycans in papain induced osteoarthritis rat model in relation to histological lesions scoring. *Journal of Animal and Plant Sciences*, 24.
- Syed, N., Jones, R.L. (2014). Assessing the agonist profiles of the prostacyclin analogues treprostinil and naxaprostene, particularly their DP1 activity. *Prostaglandins Leukot Essent Fatty Acids*. doi: 10.1016.
- Zikria Saleem, Mobasher Ahmad Butt, Furqan Khurshid Hashmi, Tahir Aziz Mughal. Retrospective evaluation of patterns of hepatotoxicity and grading in patients with primary breast cancer on Doxorubicin Cyclophosphamide protocol (AC-protocol) 727.
- Sabiha Karim, Saringat H Baie, Yuen Kah Hay and Nadeem Irfan Bukhari. Development and evaluation of omeprazole pellets fabricated by sieving-spheronization and extrusion - spheronization process. *Pakistan Journal of Pharmaceutical Sciences* 27.
- Sabiha Karim *, Yuen Kah Hay, Saringat H. Baie, Nadeem Irfan Bukhari and Ghulam Murtaza. Study of comparative bioavailability of omeprazole pellets. *Acta Poloniae Pharmaceutica-Drug Research*.71.
- 34. Muhammad Jawad Nasim, Muhammad Hassham Hassan Bin Asad, Durr-e-Sabih , Raja Muhammad Ikram, Muhammad Sikandar Hussain, Muhammad Tajammal Khan, Ghafoor Ahamad, Sabiha Karim, Shujaat Ali Khan and Ghulam Murtaza * Gist of medicinal plants of pakistan having ethnobotanical evidences to crush renal calculi (kidney stones). *Acta Poloniae Pharmaceutica-Drug Research* 71.
- 35.Safia Sumaira Munir, Misbah Sultana, ShaziaRasool, "Heterogeneity of the poly cystic ovary syndrome clinical endocrinal& ultrasound features" *PJMHS*, Vol. 8(1), Jan-Mar, 2014.
- 36. Saeed-ul-Hassan, Shahid Rasool, Muhammad Khalil-ur-Rehman, Saiqa ishtiaq Shahid ul Hassan, Imran Waheed, Alamgeer, Hafiz Muhammad Irfan.Phytochemical investigation of irritant constituents of *Cuscuta reflexa*, *International Journal of Agriculture and Biology*, 2014
- 37. Pharmacognostic studies of stem, roots and leaves of *Malva parviflora* L. Saiqa Ishtiaq, Mansoor Ahmad, Uzma Hanif, Shehla Akbar, Mehjabeen, Sairah Hafeez Kamran¹. *Asian pacific journal of tropical biomedicine*
- 38. Estimation of Antioxidant Power in Various Extracts of *Euphorbia helioscopia* L. with Five Different in vitro Antioxidant Models. Uzma Saleem, Bashir Ahmad,*, Khalid Hussain¹, Mobasher Ahmad, Nadeem Irfan Bukhari and Saiqa Ishtiaq. *Asian journal of Chemistry*.
- 39. Hanif, Uzma, Hafiz Ahsan Ali, Durre Shahwar, Sidra Farid, and Saiqa Ishtiaq. "Evaluation of Two Bryophytes (*Funaria hygrometrica* and *Polytrichum commune*) as a Source of Natural Antioxidant." *Asian Journal of Chemistry* 26, no. 14 (2014).
- 40. Saiqa Ishtiaq^{1,2*}, Mansoor Ahmad², Uzma Hanif³, Shehla Akbar⁴, Mehjabeen⁵, Sairah Hafeez Kamran¹. *Asian Pac J Trop Med* 2014; 7(Suppl 1): S342-S347-"Phytochemical and in vitro



antioxidant evaluation of different fractions of *Amaranthus graecizans* subsp. *silvestris* (Vill.) Brenan.”

- 41. Sairah Hafeez Kamran and Afroze Mobasher, Mobaser Ahmad Butt Protective effect of crude *Curcuma longa* and its methanolic extract in alloxanized rabbits Pak. J. Pharm. Sci. 27

1. **Conferences, Seminars and Workshops, etc. (Sponsors, oral Presentation + Poster Presentation)**

- Hamid Saeed, Weimin Qiu, Li Chen, Allan Flyverberj, Basem M Abdallah, Moustapha Kassem. “Telomerase Promotes Osteoblast Differentiation by Modulating IGF Signaling Pathway”. DOI:10.1530/boneabs.3.PP149 (<http://www.bone-abstracts.org/ba/0003/ba0003PP149.htm>) (impact factor: 4.6)
- Annual International Pharmacy Scientific Symposium & Pharmaceutical Exhibition held from 28-30th March, 2014 in collaboration with WHO Bridging Pharmacy Practice & Research at University of Central Punjab, Johar Town, Lahore
- International Conference on Pharmaceutics & Neuropharmacology held from 23-24 April, 2014 at Hajvery University, Lahore.
- One Day Seminar on “Management of Quality Assurance System in Pharmaceutical Industries held on 6th June, 2014 organized by Arslan Javaid Quality Control Manager UnexoPharma in University College of Pharmacy, University of the Punjab, Lahore
- One Day International Seminar on “Patient Care and Pharmacovigilance” held on 7th June, 2014 at University of Central Punjab, Johar Town, Lahore
- WHO Good governance for medicines (GGM) programme for measuring transparency in the public pharmaceutical sector. Lahore, April 21 to 23, 2014.
- Amjad Hussain, N.I.Bukhari, G. Smith, I. Ermolina. Quantification of Residual Crystallinity of ball milled anhydrous lactose using DSC and terahertz spectroscopy. ESTAC-11. Dipoli Congress Centre, Espoo, Finland August 17 - 21, 2014.
- Amjad Hussain, I. Ermolina, N.I.Bukhari, G. Smith. Study of Changes in Crystallinity of Ball Milled Mefenamic Acid using Terahertz Pulsed Spectroscopy. APS UK PharmSci 2014, Hertfordshire University, Hatfield, UK, 8 - 10 September 2014
- Hussain K., Latif A., Bukhari, N.I., Islam M., Hashmi FK. Isolation of markers from roots of *Daucus caota* (Black carrots) to standardize *Kanji*. Annual meeting of American Society of Pharmacognosy 2014 held at Missouri, Oxford, USA on 2-6, 2014
- Nadeem Irfan Bukhari. Smart formulation and Quality Management Systems in Pharma Manufacturing. Organized by Pakistan Pharmaceutical Manufacturing Association, 17-21 November, 2014.
- Nadeem Irfan Bukhari. Possibility of the use of artificial intelligence for bioavailability and bioequivalence assessment. 1st Symposium on Bioequivalence and Bioavailability studies. Centre for



Bioequivalence studies and bioassay research, University of Karachi, Karachi at Lahore April 15 to 16, 2014.

- Dr. Nawazish hussain , Familycon 2014 , 24th annual international conference
- Saiqa Ishtiaq, One Day Seminar on “Management of Quality Assurance System in Pharmaceutical Industries held on 6th June, 2014 organized by Arslan Javaid, Quality Control Manager Unexo Pharma in University college of Pharmacy, PU, Lahore.
- Saiqa Ishtiaq, One Day Seminar on Pharmacy education in USA by Prof. W. Thomas Shier University of Minnesota USA held on 18th June 2014 at University college of Pharmacy, University of the Punjab Lahore
- Paper presented Titled as Phytochemical and in vitro antioxidant evaluation of different fractions of Amaranthus graecizans subsp. silvestris (Vill.) Brenan. at 1st National conference on Health quality and advancement in Pharmacy at Faculty of Pharmacy, Federal urdu University of Arts Sceince and Tecnology, Karachi Pakistan.

2. Research Journals 2013-14 (Authors name, Article name, Journal with date)

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

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

- One Day Seminar on “Management of Quality Assurance System in Pharmaceutical Industries held on 6th June, 2014 organized by Arslan Javaid Quality Control Manager UnexoPharma in University College of Pharmacy, University of the Punjab, Lahore
- Nadeem Irfan Bukhari. Possibility of the use of artificial intelligence for bioavailability and bioequivalence assessment. 1st Symposium on Bioequivalence and Bioavailability studies. Centre for Bioequivalence studies and bioassay research, University of Karachi, Karachi at Lahore April 15 to 16, 2014.

RESEARCH COLLABORATION

I. Indigenous

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

II. Foreign Linkages

A faculty member has collaboration with DeMont Fort University, UK.

**Faculty of Sciences****CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS**

Projects:

Newly Launched

| Sr. No. | Duration | Sponsoring Agency | Funding |
|---------|----------|-----------------------------|--------------------|
| 1. | 3 Years | Higher Education Commission | 11.160104(million) |

2013**Publications**

- I. Ali, MU. Islam, MS. Awan, M. Ahmad, MN. Ashiq and **S. Naseem**
Effect of Tb³⁺ substitution on the structural and magnetic properties of M-type hexaferrites synthesized by sol-gel auto-combustion techniques
Journal of Alloys and Compounds, 550, 2013, 564
- **S. Naseem, S. Riaz**, MA. Hussain and M. Ghayas ud din
Noise optimization of low power CMOS charge amplifier using simulation environment of ELDO™
Atlantis-Press.Com, 2013, 506
- **S. Naseem, S. Riaz**, M. Azam, SS. Ali and YA. Durrani
Power Macro Modelling for CMOS Inverter of 0.12µm Technology
Atlantis-Press.Com, 2013, 509
- **S. Riaz**, M. Bashir, **SS. Hussain** and **S. Naseem**
Effect of Mn-doping Concentration on the structural & magnetic properties of sol-gel deposited ZnO diluted magnetic semiconductors
Atlantis-Press.Com, 2013, 518
- F. Majid, **S. Riaz**, MI. Akram, **S. Atiq** and **S. Naseem**
Preparation and characterization of electro-deposited aluminium oxide thin films
Atlantis-Press.Com, 2013, 523
- Z. Muhammad, T. Munir and **S. Naseem**
Electrical and optical transient behavior of n-GaN Metal-Semiconductor-Metal(MSM)
Photodetector Energy and Environmental Focus, 2, 2013, 222
- MAK. Shahid, N. Ahmad, K. Hussain and **S. Naseem**
Compound phase analysis of solid aerosols collected from different locations of Faisalabad and Lahore (Pakistan) using Matrix-Flushing Methods
Peak Journal of Physical and Environmental Science Research, 1, 2013, 54



- **S. Atiq**, Z. Ullah and **S. Naseem**
Indexing the different pattern and investigating the crystal structure of Pb-doped strontium ferrites
J. Sci. Res., 5, 2013, 235
- A. Sadia, **A. Afaq**, A. Shahzad, M. Masood
Dissociation Distance of H₂ Molecule: Two- Centre Model Study
International Science Lahore, 25(4), 2013, 693
- T. Hussain, SA. Siddiqi, **S. Atiq**, MS. Awan
Induced modification in the properties of Sr-doped BiFeO₃ multiferroic
Progress in natural Science: Material International, 23, 2013

2014

- I. Sadiq, I. Ali, EV. Rebrov, **S. Naseem**, MN. Ashiq and MU. Rana
Influence of Nd-Co Substitution on Structural, Electrical, and Dielectrical Properties of X-Type Hexagonal Nanoferrites
J. Mater, Engg. & Perform., 23, 2014, 622
- ZN. Kayani, **S. Riaz** and **S. Naseem**
Structural and magnetic properties of FeCoNi thin films
Indian Journal of Physics, 88, 2014, 165
- ZN. Kayani, **S. Riaz** and **S. Naseem**
Structural and magnetic properties of thin films of iron nitride
Surface Review and Letters, 21, 2014, 1450013
- S. Riaz**, A. Akbar, **S. Naseem**
Controlled Nanostructuring of Multiphase Core-Shell Iron Oxide Nanoparticles
IEEE Transaction on Magnetism, 50, 2014, 2300204
- A. Iftikhar, MU. Islam, MS. Awan, M. Ahmad, **S. Naseem**, and MA. Iqbal
Synthesis of Super paramagnetic Particles of Mn_{1-x}Mg_xFe₂O₄ Ferrites for Hyperthermia Applications
J. Alloys and Compounds, 601, 2014, 116
- MZ. Butt, D. Ali, MU. Tanveer and **S. Naseem**
Surface Roughness and Electrical Resistivity of High-Purity Zinc
Applied Surface Science, 305, 2014, 466
- S. Riaz**, M. Bashir and **S. Naseem**
Iron Oxide Nanoparticles Prepared by Modified Co-Precipitation Method
IEEE Transactions on Magnetism, 50, 2014, 40033041
- I. Ali, MU. Islam, MN. Ashiq, MA. Iqbal, MS. Awan, and **S. Naseem**
Role of Tb-Mn Substitution on the Magnetic Properties of Y-Type Hexaferrites



- J. Alloys and Compounds, 599, 2014, 131
SM. Ramay, **S. Atiq**, M. Saleem, A. Mahmood, SA. Siddiqi, **S. Naseem**, Y. AL- Zeghayer, NS. Alzayed and M. Shahabuddin
Enhanced Magnetization of Sol-Gel Synthesized Pb Doped Strontium Hexaferrites Nanocrystallites at Low Temperature
J. Nanomaterials, 2014, 452468
R. Ashraf, **S. Riaz**, M. Bashir, U. Khan and **S. Naseem**
Structural and Magnetic Properties of Mn/Fe co-doped ZnO Thin Films Prepared by Sol-Gel Techniques
IEEE Transactions on Magnetics, 50, 2014
F. Kanwal, A. Batol S. Rasool, **S. Naseem** and R. Rehman
Synthesis of Polyaniline composites with grinded leaves of Polyalthia Longifolia syzygium cumini, alstonia scholaris and madhuca longifolia and study of their structural, electrical and dielectric properties
Asian Journal of Chemistry, 26, 2014, 7519
ZN Kayani, A. Afzal, F. Saleemi, **S. Riaz** and **S. Naseem**
Structural, optical and magnetic properties of cobalt doped dip coated ZnO films
IEEE Transactions on Magnetics, 50, 2014
M. Bashir, **S. Riaz** and **S. Naseem**
Magnetic properties of Fe₃O₄ stabilized zirconia
IEEE Transactions on Magnetics, 50, 2014
ZN. Kayani, T. Afzal, **S. Riaz**, and **S. Naseem**
Optical and structural properties of thin films of ZnO at elevated temperature
Journal of Alloys and Compounds, 606, 2014, 177
S. Riaz, A. Akbar, A. Nairan and **S. Naseem**
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Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- M. Ashraf, **SS. Hussain, S. Riaz** and **S. Naseem**

Preparation and Characterization of $Zn_xCd_{1-x}S$ and CdTe thin films by PVD for PV applications

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- A. Akbar, S. Maryam, **S. Riaz, SS. Hussain** and **S. Naseem**

Magnetic Properties of doped Fe_2O_3 Thin Films

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- F. Altaf, **S. Atiq, S. Riaz** and **S. Naseem**

Structural, electrical and magnetic properties of Co-doped Sr-hexaferrites

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- MK. Baig, **S. Atiq, S. Riaz, S. Naseem** and S. Bashir

Structural, compositional and magnetic properties of SmCo thin films deposited by pulsed laser

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- S. Farooq, **S. Riaz** and **S. Naseem**

Structural and Magnetic Properties of thermally evaporated FeO thin films

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- A. Akbar, **S. Riaz, S. Atiq** and **S. Naseem**

Structural and Dielectrical Properties of un doped and doped $BiFeO_3$ Thin Films Using Sol-Gel

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- ZN. Kayani, E. Shahid, F. Saleemi, **S. Riaz** and **S. Naseem**

Growth and characterization of iron oxide thin films via sol-gel dip coating method

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- ZN. Kayani, S. Arshad, Y. Ali, **S. Riaz** and **S. Naseem**



Synthesis of Iron Oxide Nanoparticles by Sol-Gel techniques and their Characterization

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- M. Habib, **SS. Hussain, S. Riaz** and **S. Naseem**

Preparation and Characterization of ZnO Nanowires applications in CO₂ Gas Sensors

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- **S. Riaz**, A. Nairan and **S. Naseem**

AlFe₂O₄ Nanowire Arrays by Modified Sol-Gel Method –Structural, Optical and Magnetic Properties

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- ZN. Kayani, M. Butt, Y. Ali, **S. Riaz** and **S. Naseem**

Synthesis of NiO Nanoparticles by sol-gel techniques

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- M. Bashir, **S. Riaz** and **S. Naseem**

Structural and Mechanical Properties of Stabilized Zirconia

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- M. Bashir, **S. Riaz** and **S. Naseem**

Structural, Mechanical and Morphological Properties of Fe₃O₄ Doped Zirconia Nanoparticles

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- Aisha Batool, F. Kanwal, **S. Riaz, S. Atiq** and **S. Naseem**

Effect of Non-Ionic Surfactant (Lutnesolxl 80[RO (CH₂CH₂)₈H]) on the Structural and Dielectric Behavior of Polypyrrole/Maghemite (PPy/Fe₃O₄) Nanocomposites

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- MA. Raza, **S. Riaz** and **S. Naseem**

Optical gas sensing of gold Nanoparticles: size and shape effect Study for different gases

Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013

- **S. Riaz**, A. Akbar, M. Fatima, ZN. Kayani and **S. Naseem**



- Effect of Calcination on the Phase transition in Sol-Gel Synthesized Iron oxide Nanoparticles
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
- MS. Akhtar, **S. Riaz** and **S. Naseem**
Synthesis of ZnS Nanoparticles by Chemical Bath Deposition from Acidic Solutions
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - SM. Ramay, HM. Rafique, S. Aslam, SA. Siddiqi, **S. Atiq**, M. Saleem, **S. Naseem** and M. Shar
Structural, morphological and magnetic characterization of sol-gel synthesized MnCuZn ferrites
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - HM. Jaral, **SS. Hussain**, **S. Riaz** and **S. Naseem**
Annealing effect on the structural and magnetic properties of Fe₃O₄ Thin Films prepared using PVD Magnetron sputtering (RF)
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - R. Ashraf, **S. Riaz**, ZN. Kayani and **S. Naseem**
Effect of Calcination on Structural and Magnetic Properties of Co doped ZnO Nanoparticles
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - MZ. Butt, D. Ali, MU. Tanveer and **S. Naseem**
Surface Roughness and Electrical Resistivity of High-Purity Zinc
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - A. Akbar, **S. Riaz** and **S. Naseem**
Iron Oxide Nanoparticles – Structural and magnetic Properties
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - ZN. Kayani, F. Nazir, **S. Riaz** and **S. Naseem**
Fabrication and properties of Manganese zinc oxide thin film prepared by sol-gel dip coating method



- Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
- MS. Akhtar, M. Khalid, **S. Riaz** and **S. Naseem**
First – Principles Study of Mn, Fe, and MnFe co-doped ZnS with Zinc Blende Structure for Spintronic Applications
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - A. Akbar, **S. Riaz** and **S. Naseem**
Structural and Magnetic Properties of $MgFe_2O_4$ Thin Films
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - A. Akbar, **S. Riaz**, **S. Atiq** and **S. Naseem**
Effect of Mn doping on Structural, Dielectric and Magnetic Properties of $BiFeO_3$ Thin Films
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - HC. Sam, Z. Abbas and **S. Naseem**
Titanium Dioxide Thin Films coated on glass substrates having anti-UV influence for Living Organisms
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - MU. Farooq, **S. Atiq**, **S. Riaz**, **S. Naseem** and S. Bashir
Effect of substrate temperature on structural and magnetic properties of pulse laser deposited SmCo films
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - RS. Ali, **SS. Hussain**, **S. Riaz**, and **S. Naseem**
Characterization Structural, Optical and Electrical of Fe_3O_4 Thin Films prepared using PVD Magnetron Sputtering (RF)
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - Akbar, A. Nairan, **SS. Hussain**, **S. Riaz** and **S. Naseem**
Magnetic Properties of iron Oxide Thin Films by Sol-gel Routes
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - **SS. Hussain**, P. Pigeat, **S. Riaz** and **S. Naseem**



- Time-resolved spectroscopy of Er doped AlN thin films with columnar and nanogranular morphologies grown by PVD magnetron sputtering(RF)
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
- **SS. Hussain**, P. Pigeat, **S. Riaz** and **S. Naseem**
Effect of annealing on the Photoluminescence of Er doped AlN thin films grown by PVD magnetron sputtering(RF)
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - SM. Ramay, A. Mahmood, YS. Al-Zeghayer, **S. Atiq**, MA. Shar, AS. Al-Fatesh, SA.Siddiqi and **S. Naseem** Visible-light-induced ZnFeO magnetic photocatalysts for degradation of methylene blue Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - Akbar, **S. Riaz**, **S. Atiq** and **S. Naseem**
Magnetic, structural and dielectric properties of un-doped and doped BiFeO₃ thin films using sol-gel
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - M. Bashir, S. Raiz and S. Naseem
Characterization of Iron Oxide Doped Zirconia Nanoparticales
Presented at the International Conference on Solid State Physics-2013 University of the Punjab, Lahore, Pakistan, December 1-6, 2013
 - **S. Riaz** and **S. Naseem**
Synthesis and Characterization of CdS Nanoparticles
Presented at the International Conference on Materials and Engineering Technology (ICMET), Beijing, China, December 19-20, 2013
 - **S. Naseem** and **S. Riaz**
Optical and Structural Analysis of Zn_xCd_{1-x}S (x=0-1) Thin Films
Presented at the International Conference on Materials and Engineering Technology (ICMET), Beijing, China, December 19-20, 2013

2014

- M. Bashir, **S. Riaz**, MS. Akhtar and **S. Naseem**
Synthesis and Characterization of Fe₃O₄ Stabilized ZrO₂ Nanoparticles
Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- ZN. Kayani, S. Arshad, **S. Riaz**, R. Zia and **S. Naseem**



- Structural characterization and optical properties of cobalt oxide thin films
Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials
Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- **S. Naseem**, F. Majid and **S. Riaz** Effect of Reaction Temperature on Structural, Magnetic and Dielectric Properties of Bismuth Iron Oxide Nanoparticles Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - MS. Akhtar, **S. Riaz**, **SS. Hussain** and **S.Naseem** Magnetic Properties of Un-doped and Fe-doped ZnS Thin Films Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - M. Bashir, **S. Riaz** and **S. Naseem** Structural and Mechanical Properties of Polymer Additive based Zirconia Thin Films prepared by Sol-Gel Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - M. Bashir, **S. Riaz** and **S. Naseem** Synthesis and Characterization of Polymer Additives based Nanocrystalline Zirconia by Sol-Gel Method for Teeth Coatings Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - A. Akbar, **S. Riaz**, **S. Naseem** and A. Batool Effect of pH on Structural Properties of Iron Oxide Thin Films Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - S. Islam, RA. Rahman, **S. Riaz**, Z. Othaman, MA. Saeed and **S. Naseem** Sol-Gel Modified High Surface Area Hybrid Nano-composite as pH Sensor Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - **S. Atiq**, T. Hussain, **S.Riaz** and **S.Naseem** Structural and Dielectric Properties of Zn-doped $MgAl_2O_4$ Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - **S. Atiq**, M. Majid, **S. Riaz** and **S. Naseem** Optimizing the Synthesis of Titanium Oxide Nanocrystallites using Low Cost Organic Fuels Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - S. Islam, RA. Rahman, **S.Riaz**, **S. Naseem**, Z. Othaman and MA. Saeed High Surface Area SiO_2 - TiO_2 Nano-composite as pH Sensor Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea



- **MA. Raza, S.Riaz and S.Naseem** Optical Sensing of Carbon Dioxide based on Colloidal Gold Nanoparticles Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- **S. Riaz, MA. Raza and S. Naseem** Synthesis and Characterization of Indium Tin Oxide Nanoparticles Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- M Khalid, **S. Riaz and S. Naseem** First Principle Calculation of Indium doped ZnO Using LDA and GGA Approximation Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- F. Majid, **S. Riaz, S. Atiq and S. Naseem** Structural, Optical and Dielectric Properties of Electrodeposited Al_2O_3 Thin Films Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- F. Majid, **S. Riaz and S. Naseem** Dielectric Properties of Sputtered Al_2O_3 Thin Films Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- **S. Riaz and S. Naseem** Chemical Synthesis of Cr doped Iron Oxide Nanoparticles Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- **S. Riaz and S. Naseem** Structural and Magnetic Properties of Co Doped Iron Oxide Nanoparticles Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- Akbar, **S. Riaz, ZN. Kayani and S. Naseem** Effect of Co Doping on Structural Properties of Hematite Thin Films Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- SMH Shah, **S. Riaz, S. Atiq and S. Naseem** Structural and Dielectric Properties of Sol-Gel prepared $BiFeO_3$ Thin Films Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- Akbar, **S. Riaz and S. Naseem** Effect of Al doping on Structural and Magnetic Properties of Iron Oxide Thin Films Prepared by Sol-Gel Method Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- M Khalid, **S. Riaz, S. Naseem** and M. Azam Theoretical Study of Spinel Structure of $FeAl_2O_4$ using Density Functional Theory Proc. The 2014 World Congress on Advances in Civil,



- Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
- SMH Shah, **S. Riaz**, **S. Atiq** and **S. Naseem** Structural and Dielectric Properties of $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ Thin Films Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - F. Majid, **S. Riaz** and **S. Naseem** Ferromagnetic and Dielectric Behavior of Bismuth Iron Oxide Nanoparticles under As-synthesized Conditions Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - R. Ashraf, **S. Riaz** and **S. Naseem** Structural, electronic and optical properties of $\gamma\text{-Fe}_2\text{O}_3$ by ADF Proc. The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - R. Ashraf, **S. Riaz** and **S. Naseem** Theoretical Investigation of effect of cobalt doping on Properties of Iron Oxide by ADF Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - R. Ashraf, **S. Riaz**, MS. Akhtar and **S. Naseem** Study of structural and electronic properties of iron oxide by ADF Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - Batool, F. Kanwal, **S. Riaz**, A. Abbas and **S. Naseem** Study of Polyaniline/maghemite nanocomposites by chemical oxidation Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - **S. Riaz**, R. Ashraf, S. Islam and **S. Naseem** Effect of pH on the structural properties of Iron Oxide Nanoparticles Proc The 2014 World Congress on Advances in Civil, Environmental and Materials Research (ACEM'14), August 24-28, 2014, BEXCO, Busan, Korea
 - Majid, **S. Atiq**, **S. Riaz** and **S. Naseem** Sol gel synthesis of titanium oxide nano crystallites for photocatalytic applications Presented at the International Scientific Spring-2014, organized by National Centre for Physics(NCP), Islamabad, Pakistan, and ICTP, Italy at Islamabad, March 11-14, 2014.
 - T. Hussain, **S. Atiq**, **S. Riaz** and **S. Naseem** Structural and dielectric properties of Zn-doped MgAl_2O_4 Presented at the 2013 World Congress on Advances in Civil, Environmental and Materials Research (ACEM14), held at BEXCO, Busan, South Korea, August 24-28, 2014.
 - **S. Atiq**, Majid, **S. Riaz** and **S. Naseem** Optimizing the synthesis of titanium oxide nano-crystallites using low cast organic fuels Presented at the 2013 World Congress on Advances



- in Civil, Environmental and Materials Research (ACEM14), held at BEXCO, Busan, South Korea, August 24-28, 2014.
- SMH. Shah, **S. Riaz**, **S. Atiq** and **S. Naseem** Structural and dielectric properties of $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ Presented at the 2013 World Congress on Advances in Civil, Environmental and Materials Research (ACEM14), held at BEXCO, Busan, South Korea, August 24-28, 2014.
 - S. Honey, **S. Riaz**, **SS. Hussain** and **S. Naseem** Effect of Calcination on Phase transition in Titania Nanoparticles presented at the 2013 World Congress on Advances in Civil, Environmental and Materials Research (ACEM14), held at BEXCO, Busan, South Korea, August 24-28, 2014.

Research Collaboration

Indigenous

| | |
|----|--|
| 1. | University of Engineering & Technology, Lahore |
| 2. | Lahore College for Women University, Lahore |
| 3. | Islamia University Bahawalpur, Bahawalpur |
| 4. | Bahauddin Zakaria University, Multan |
| 5. | Govt. College University, Lahore |

CENTRE FOR HIGH ENERGY PHYSICS

- Publications

Report: During this period, CHEP faculty published 29 papers (annex-A).

- Conferences, Seminars and Workshops

Report:

- 1- Pakistan Vacuum Society, CHEP & LCCI organized a three days workshop on Industrial Vacuum Applications on January 28-30, 2014 at Lahore Chamber of Commerce and Industry.
- 2- A delegation from CERN visited CHEP along with the Vice-Chancellor on February 11, 2014 to examine academic and research facilities especially the BESIII data analysis lab.
- 3- International Women day was celebrated on March 8, 2014.
- 4- Dr. Mazhar Moeen and Dr. Bilal Masud delivered lectures on the occasion of 23rd March 2014, the Pakistan Resolution day.
- 5- A Lecture on the topic of "Seerat Hazrat Siddiq-e-Akbar (Allah be agreed with him)" was delivered by Dr. Mazhar Moeen on April 22, 2014.
- 6- Dr. Munawar Iqbal delivered a lecture on "Beam analysis of the Beijing electron-positron Collider II linear accelerator electron gun" on June 4, 2014.
- 7- Dr. Atif Shahbaz delivered a lecture on "Effects of laser-driven particle in an atomic bound state" on June 11, 2014.



- 8- CHEP organized a seminar on June 19, 2014. Dr. Bilal Masud delivered a lecture on “Test of Knowledge in Islam and Secularism”(Lecture 1).
- 9- CHEP organized a seminar on June 25, 2014. Dr. Bilal Masud delivered a lecture on “Test of Knowledge in Islam and Secularism” (Lecture 2).
- 10- Independence day was celebrated on 14 August 2014.
- 11- CHEP organized a seminar on Dec 10, 2014. Dr. Faisal Akram delivered a lecture on “Critical Number of Quark Flavors in QCD”

RESEARCH COLLABORATION

- Foreign Linkages

Report

1. Centre for High Energy Physics, University of the Punjab, is member of Beijing Spectrometer III (BESIII) Collaboration. CHEP faculty members: Dr. Abrar Ahmed Zafar, Dr. Qadeer Afzal Malik and Dr. Talab Hussain continued the collaborative research activities in this regard. Dr. Talab Hussain visited Beijing China in order to perform shift duties at the BESIII experimental site and participated in the Collaboration meeting, from June 02 to 09, 2014.
2. Dr. Bilal Masud and Dr. Faisal Akram continued collaborative research with the following researchers abroad:
 - Dr. Eric Swanson, Pittsburg University, USA.
 - Dr. Sadataka Furui, School of Science and Engineering, Teikyo University, Utsunomiya, Japan.
 - Dr. Adnan Bashir, Universidad Michoacana, Morelia, Mexico.
 - Dr. Arfin Lodhi, Research Professor, Texas Tech University, Physics Department, USA
3. Dr. Ayub Faridi and Dr, Munawar Iqbal continued the collaborative linkage with the following researcher:
 - Dr. Pei Guoxi, Professor, Director BEPCII Positron Source, IHEP, Beijing, China (peigx@ihep.ac.cn)
 - Dr. Zusheng Zhou, Professor, IHEP, Beijing, China
4. Dr. Irfan Mahmood continued collaborative research with the following researchers:
 - Dr. Vladimir Roubtsov, Dr. Mattia Coffaso, Department of Mathematics, 1-LAREMA, CNRS, France
 - Prof. Vladimir Retakh, Department of Physics, Rutgers University, USA

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

An Overview

The Centre has been established to address the demands of integrated sustainable research and development of mountainous areas of Pakistan. To meet these challenges, the framework of CIMR is organized into five thematic research and development divisions:

- 1) Mountain Resource Division (MRD)



- 2) Resource Development Division (RDD)
- 3) Resource Management Division (RMD)
- 4) Project Planning Division (PPD)
- 5) Documentation Division (DD)

Projects

- **List of Research Projects funded by CIMR's own budget-2013**
 - Identification & Assessment of the Different Drivers of Deforestation in Localities around Ayubia National Park, 2013
 - Community Based Study of Climate Change Induced Glacial Lake Outburst Floods (GLOF), (A case study of Bagrote Valley, Gilgit-Baltistan, Pakistan, 2013
 - Social Impact Assessment (SIA) of Phander Hydro Power Project on District Ghizer, Gilgit Baltistan; an Assessment of Social Change Process, 2013
 - Sil Kas Watershed Flow Estimation and Reservoir Routing of Chahan Dam for Sustainable Development, 2013
 - Assessment of Physiochemical Properties of Kasur and Mianwali Districts , Study Areas of Punjab, Pakistan, 2013
 - Social, Economic and Ecological Characteristics of High Altitude Wetlands in Pakistan, (A case study of Karakoram, Hindu Kush and Western Himalayan Mountain Ranges of Pakistan), 2013
 - Peat land Threats and Carbon Stock Analysis in Selected High Altitude Wetlands Areas of Gilgit-Baltistan Pakistan, 2013
- **List of Research Projects funded by CIMR's own budget-2014**
 - Climate change and Hydro climatic variability in mountainous catchments
 - REDD+ for the Mountains: Managing uncertainties Associated with activity data in Hindu Kush Himalaya Region (Naltar)
 - Site evaluation for sustainable tourism: A case study of Kalar Kahar City, District Chakwal
 - Land suitability assessment for Tehsil Juglote, District Gilgit using RS/GIS
 - Impacts of Glacial lake outburst flood's (GLOF'S) in Ghulkin and Hussani Village, Upper Hunza (Gojal), District Hunza Nagar, Gilgit-Baltistan
 - Impact of Climate Induced flood Hazards on Social and Economic Condition of Human life in Damas Valley, District Ghizer Gilgit-Baltistan
 - Assessment of Physio-chemical characteristic of soil fertility status and ground water quality of District Chakwal
 - Forest Land Stratification in Astore Valley (Govt. Classification Vs Project Classifications)
 - 3-D and Watershed Analyses of Kalar Khar, District Chkwal, Punjab-Pakistan
 - Watershed Delineation in Naltar Valley Gilgit District



- Identification of endangered species in the Khunjrab National Park
- **Newly launched**
- Hydro-climatic variability and climate change acceleration in mountainous catchments (a case study Upper Indus Basin). Submitted in University of the Punjab. P.I Dr. Khalida Khan
- Evaluate the impact of urbanization on streamflows and sediment yield in Margalla hills under changing climate: (case study of Rawal and Simly dams). Submitted in Pakistan Science Foundation. P.I Dr. Khalida Khan, Co. P.I: Engr. Muhammad Yaseen
- **MPhil/ PhD Research Projects**
- In Geo-environmental Conservation and Sustainable Development (GCSD) Geography, Hydrology, Climate Change, Forest and REDD+, Satoyama Initiative, Socio-ecological production landscapes, Biodiversity, Water and Soil Conservation and Sustainable Development, Land use, Community Education in Mountain Conservation and Watershed Management, Eco Tourism, Hazards and Disaster risk Management, Natural resources, Community participation. Gender development, Urbanization and Sustainable development, Hydro toxicology, Geometrics, etc.

Publications

Research Articles

- Khalida Khan, M. Furqanul Munir, M. Ikram S. Rashid, 2014. Water Requirement Assessment for Different soil types Using Satellite Data and GIS/RS Techniques, Jaffarabad, Baluchistan Province, Pakistan, (A Case Study), Sarhad Journal of Agriculture ISSN: (Print)1016-4383 (Online) 2224-5383] Submitted, (In process)
- Jalil, A. And Khan, K., 2013. Comparing different approaches to assess environmental vulnerability. Sci., Tech. & Dev., 32 (4): 328-338.
- Akif Rahim Khalida Khan, Amina Akif, 2014, The Sustainable Water Management by using conceptual rainfall runoff model of IUH for small watershed. Pakistan Journal of Science Submitted, (In process)
- S.R. Ahmad, M. A. Amber, S. Ghazi, K. Khan and S. Farooq, 2013. "Carbon Dioxide Geologic Sequestration—A Safe and Economically Energizing Technology for Sustainable Environment" Pakistan Journal of Science (Vol. 65, No. 4 Dec. 2013)
- M. Furqanul Munir, M. Ikram S. Rashid, 2014. Water Requirement Assessment for Different Soil Types Using Satellite Data and GIS/RS Techniques Jaffarabad, Baluchistan Province, Pakistan, (A Case Study). Sarhad Journal of Agriculture ISSN: (Print)1016-4383 (Online) 2224-5383]
- Zakaullah, Ashraf, M., Afzal, M., Yaseen, M. and Khan, K., (2014): "Appraisal of Sediment Load in Rainfed Areas of Pothwar Region in Pakistan" Global Journal of Researches in Engineering: Volume 14 Issue 6 Version 1.0 Online ISSN: 2249-4596 & Print ISSN: 0975-5861



- Khan, K. And Jalil, A. 2014. Identification and Quantification of the Source terms for, Sodium Calcium, and Fluoride ions in Soils & surface waters of Sil River Watershed,. Sci., Tech. & Dev., journal by the Pakistan Council for Science and Technology 33 (2): 68-76
- Khalida Khan, Ali Iqbal, Rabia Faridi, 2014. Comparison between Volunteer Teachers and Permanent Public School Teachers of Pakistan: A Study of their Students' Motivation and Satisfaction Level. Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab, Lahore, Pakistan .
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- M. Ghous and Khalida Khan 2014, An assessment of household coping response of the vulnerable population of flood affected areas of Kot Addu, District Muzaffargarh. Sindh University Research, ISSN (print): 1813-1743 University of Sindh, Jamshoro, Pakistan URL: www.usindh.edu.pk/surj/index.html
- Khalida Khan, Ali Iqbal, M. Ahsan Chughtai, Shaheen Khan, Rabia Faridi 2014 The impact of Volunteerism in the Social Development of Pakistan, a study of People's Perspective 26. Journal Vision SASC PU.
- Fakhra Shahmim, Khalida Khan, Habib-ur Rehman Athar and Abdul waheed, 2014. Photosynthetic and Antioxidant Enzyme Capacities as Potential Indicator of Water Stress in Some Tolerant and Sensitive Tomato Genotypes. Pakistan Journal of Botany, HEC approved W submitted, in process.
- Nausheen M., K. Khan, Ali I. Mirza, 2014. Socio-political impacts of draughts of Pakistan. Submitted , in process International Journal of South Asian Studies .
- Khalida Khan Muhammad Yaseen, Yasir Latif, Ghulam Nabi, 2014. Impact of Altitudinal Variability on Stream flows in Mountainous Catchments under Changing Climate (A Case Study of Upper Indus Basin). American Geophysical Union (AGU) Journal of Earth and Space Science (Submitted, in process) Presented in the 2014 American Geophysical Union Fall Meeting, Advancing the Earth and Space Sciences Dec.14-19,2014 Moscone Center, .San Francisco- USA <http://fallmeeting.agu.org/2014/> service@agu.org
- Yaseen, M., Rientjes, T., Nabi, G., Rehman, H. and Latif, M.; (2014): "Assessment of recent temperature trends in Mangla watershed" Published in Journal of Himalayan Earth Sciences Volume 47, No. 1, 2014, pp. 107-121.
- Yaseen, M., Nabi, G., Rehman, H. and Latif, M.; (2014): "Assessment of climate change at spatio-temporal scales and its impact on stream flows of Mangla watershed". Published in Pakistan Journal of Engineering and Applied Sciences Volume 14, July 2014.



- Yaseen, M., Bhatti, H. A., Rientjes, T., Nabi, G., and Latif, M.; (2013): “Temporal and spatial variations in summer flows of Upper Indus Basin, Pakistan” published in 72th annual session of Pakistan Engineering Congress (PEC), December, 2013.
- Bhatti, H. A., Rientjes, T., Verhoef, W., and Yaseen, M.; (2013): “Assessing Temporal Stability for Coarse Scale Satellite Moisture Validation in the Maqu Area, Tibet” *Sensors* 2013, 13, 10725-10748
- Yaseen, M., Khan, K and Afzal, M. (2014): “Effect of bed configuration on flow resistance under different flow regimes in an open channel” *Global Journal of Researches in Engineering: Volume 14 Issue 7 Version 1.0 Online ISSN: 2249-4596 & Print ISSN: 0975-5861*
- Yaseen, M., Rientjes, T., Nabi, G., Rehman, H. and Khan, K.; (2014): “Climate change and hydro-climatic variability in Mangla Basin, Upper Indus” (Submitted in journal of Hydrological Processes).
- Tariq, S., Afzal, M., Yaseen, M. and Khan, K. (2015); Performance and Evaluation of Sodium Bentonite Material for Seepage Control in Irrigation Channels” submitted in *Hydrological Sciences Journal*. (Under review).
- Yaseen, M., Khan, K., Nabi, N., Rehman, H. and Bhatti, H. A. (2015): An appraisal of statistical downscaling model for climate change scenarios in Poonch catchment, Mangla Watershed. Submitted in *Journal of Himalayan Earth Sciences*.
- Khan, K., Yaseen, M., Latif, Y., Afzal, M., and Nabi, N., (2015): Detection of trends and variability analysis of annual temperature, precipitation and river flows of Upper Indus Basin, Pakistan. (Submitted in journal *Science International*).

Book /Book Chapters

- Soils of Pakistan (in Press)
- Soils of Pakistan (In press)
- Fact sheet, Kaghan Valley, NW Himalayas
- MOUNTNEWS, revival of the only Magazine in the country on the mountainous regions, (7 Issues Published)
- Land Resource of Pakistan Book (in process)
- Land Resource Map of Balochistan Province, Pakistan (in Press)
- Land Resource Map of Khabar Pakhtoonkhwa Province, Pakistan (in process)

Conferences, Seminars and Workshops

- **International Conferences/Workshops:**
 - Participated and contributed in International Regional Workshop on the Satoyama Initiative, held in Kathmandu, Nepal followed by field excursion from May 14-16, 2013, organized by the Ministry of Forests and Soil Conservation, Government of Nepal and International



- Partnership for the Satoyama Initiative (IPSI) Secretariat Japan.at Hotel Yak & Yeti in Kathmandu, Nepal
- Participated as Member Country in the Fourth International Partnership for Satoyama Infinitive Global Conference (IPSI-4) presented titled “Influence of Temporal/Spatial Variability on Agricultural biodiversity of Jhelum Potwar Region-Punjab-Pakistan”, in the poster demonstration session organized in parallel to the Assembly and Public Forum during the IPSI-4 in the Fukui International Activities Plaza, the IPSI-4 venue (13-14 September, 2013), Fukui- Japan
 - Participated and contributed in December 14-19, 12, 2014 American Geophysical Union (AGU) Fall Meeting, Advancing the Earth and Space Sciences at Center, San Francisco- USA paper presented titled “Temporal and Spatial Variations in Stream Flows of Upper Indus Basin, Himalayas, Pakistan”
 - Attended First International Conference on Research and Learning held from 2-3 April 2014 at Pak-China Friendship Centre, Islamabad by Pakistan Poverty Alleviation Fund.

National Conferences/Workshops:

- Attended and contributed in 03 days Professional Training Course on” Watershed Rehabilitation & Irrigation Improvements “at Satrameel and Arookus Field Station from 27-29 Jan., 2013, Organized by the Climate Change, Alternate Energy and Water Resources Institute (CAEWRI) of National Agriculture Research Council (NARC), Islamabad
- Participated in Policy level information dissemination workshop on Cryosphere (Snow & Glacier) dynamic of the Indus Basin organized by International Centre for Integrated Mountain Development (ICIMOD), Nepal at Marriot Hotel, Islamabad on March 2013
- Participated National Consultation on Pakistan’s REDD+ Readiness Proposal for Forest Carbon Partnership Fund held on Nov.05, 2013 at FAO Office, Islamabad
- Attended as Elected Member of the Executive Council of the Chess Federation of Pakistan 2014
- Organized a popular lecture on Spate Irrigation Techniques on 17/1/13 at CIMR Seminar Room, delivered by Mr. Allah Buksh, Coordinator Spate Irrigation Pakistan Chapter
- Organized Mountain Day 11 Dec. 2013,
- Organized Tree Plantation 12th .Nov. 2013
- Organized Seminar on Mountain Resources of Pakistan Sept.11th 2013
- A Short Training Course in “Climate Change and efforts to Reduce Emissions from Deforestation and forest Degradation (REDD+), July. 2013”.
- Organized week long celebrations Mountain Day 7th to 11th Dec. 2014,
- Organized three days technical Sessions on “mountains for sustainable farming and development” Dec. 2014



- Prepared and presented Short Video Documentary on “Mountain Family farming” during the celebrations of Mountain Dec. 2014.
- Organized program on Cultural diversity of different mountainous regions of Pakistan Dec. 2014
- Workshop on Role of gender (women) for mountain farming Nov. 201
- Seminar on Application RS and GIS in water resources management and mountain agriculture farming by Ms. Mamoonah Sahar (Urban Unit, Lahore) Oct.2014
- Workshop on “Water filtration by CRUMB rubble assisted by ultra-violet re-actor for sustainable solution by Prof. Dr. Zaki Ahmed (Emeritus) May, 2014
- Seminar on Strategies to overcome abiotic and biotic stress for sustainable mountain agriculture farming by Dr. Fakhra Shamim (IAS-PU) Sept. 2014
- Workshop on ‘Rain Water Harvesting and Ground water exploration for sustainable water supply and management June, 2014
- Field Demonstration of resistivity meter survey by Mr. Rashid Azhar Khan (NESPAK) Sept. 2014
- Invited Roundtable talk on Mountain Farming for Resource Conservation and sustainable Agriculture by Dr. Ghulam Nabi (CEWRE, UET Lahore) Nov. 2014
- Seminar by PhD Scholar-CIMR on “Tourism potential in mountainous region of Pakistan’ Sept. 2014
- Workshop on “Role of Forest for watershed management and Green Economy for sustainable development Sept. 2014
- Organized Plantation Yearly Activity by the CIMR within the Quaid-i-Azam Campus Nov. 2014
- Organized an Awareness walk to highlight the importance of International Mountain day Dec. 2014
- Lecture series in “Climate Change and efforts to Reduce Emissions from Deforestation and forest Degradation (REDD+), June. 2014
- Organized Field Program for the CIMR students, Potwar Plateau and Khanspur June, 2014
- Established UNESCO Chair on Community Education in Mountain Conservation and Watershed Management bases at CIMR
- Established Collaboration with national and international institutions such
- SAARC Academic Alliance, 2014,
- Post Doc, Association, Washington DC USA
- United Nation University, Tokyo, Japan,
- Geographical Society of America (GSA) Washington DC., USA, 2014
- American Geophysical Union (AGU) Washington DC., USA, 2014



- The Mountain Institute, Washington DC
- National Post Doc Association, USA
- Mountain Research Initiative Switzerland
- Int. Mountain Partnership
- World Conservation Union (IUCN),
- International Centre for Mountain Development (ICIMOD), Nepal,
- Akita University, Japan,
- Chinese Academy of Science, China
- Member Asia Watershed Management Network (ASIAN WATMANET), Kathmandu, Nepal, to up date
- Member Asian Studies on the Pacific Coast (ASPAC) University of Victoria, British Columbia
- Soil Survey of Pakistan, NESPAK, Survey of Pakistan (SP), Focus-Pakistan, Meteorology Department, Pakistan, SAIRI, Int. Forest Dept., WAPDA, Urban Unit, Punjab,
- WWF-Pakistan UET-Lahore, GCU-Lahore, etc
- Nominated as a member of Board of Trustees by the HEAD Foundation, (Kohistan and Gilgit Baltistan Community Foundation) Jan. 2013 to up date, Islamabad
- Moderator, (4 Post Doc Scholars) by the Post Doc Association, USA 2014,
- National Postdoc Appreciation made a visible presence amongst the high-profiled academic ivories. http://www.theglobaltribune.com/1873-postdoc-appreciation-week-npaw2014-institutionally-marked-and-celebrated-across-the-us-canada-other-parts-of-the-world_tgt.html

CENTRE FOR UNDERGRADUATE STUDIES

Center has produced **about 24** research articles of good impact, published in journals of national and international repute. Book chapters (for international books) were also published.

- Projects completed

| Name of Researcher | Sponsoring Agency | Financial Support | Research Area |
|---------------------------|--------------------------|--------------------------|----------------------|
| Dr. Najam ul Sehar | University of the Punjab | 1,50,000 | Botany |
| Amara Dar | University of the Punjab | 1,25,000 | Chemistry |
| Bushra Nisar Khan | University of the Punjab | 1,25,000 | Zoology |
| Robina Begum | University of the Punjab | 1,25,000 | Chemistry |
| Muhammad Younus | University of the Punjab | 1,25,000 | Mathematics |
| Shabnam Javed | University of the Punjab | 1,25,000 | Chemistry |



- Newly launched

| Name of Researcher | Sponsoring Agency | Financial Support | Research Area |
|--------------------|--------------------------|-------------------|---------------|
| Dr. Najam ul Sehar | University of the Punjab | 1,50,000 | Botany |
| Amara Dar | University of the Punjab | 1,25,000 | Chemistry |
| Robina Begum | University of the Punjab | 1,25,000 | Chemistry |
| Bushra Nisar Khan | University of the Punjab | 1,25,000 | Zoology |
| Shabnam Javed | University of the Punjab | 1,25,000 | Chemistry |
| Arooj Naseer | University of the Punjab | 1,25,000 | Botany |

- Publications (articles)

| Name of faculty members | Title of research paper | Name of publishing journal | Volume/Page no. |
|-------------------------|---|--|------------------|
| Dr. Najam ul Sehar | New reports of rust fungi (Uredinales) from Sharan (Kaghan Valley), Pakistan, | <i>Plant Pathology & Quarantine</i> | accepted |
| Dr. Najam ul Sehar | NEW HOST RECORDS FOR PUCCINIA GRAMINIS, BLACK STEM RUST, IN PAKISTAN | <i>Indian Journal of Pharmaceutical & Biological Research.</i> | accepted |
| Dr. Najam ul Sehar | New Records of Phragmidium species from Pakistan. | <i>Mycoaxon</i> | 128 (63-70) |
| Dr. Najam ul Sehar | A new report of Uromyces ambiens on box plant from Pakistan. | <i>Mycotaxon</i> | 129 (2): 429-432 |
| Ms. Amara Dar | Removal of sulfide ions from water using rice husk | <i>Journal of Sulfur Chemistry</i> | |
| Ms. Bushra Nisar Khan | Behavior of <i>Nile hippotamus</i> after pairing at Lahore zoo. | <i>Pakistan journal of zoology</i> | 46(3), 601-607 |
| Robina Begum | Effect of cross linker feed contents on catalytic activity of silver nanoparticles fabricated in multi responsive microgels | <i>Korean Journal of Chemical Engineering</i> | 31(9), 1674-1680 |
| Robina Begum | Cobalt and Nickel nanoparticles fabricated Poly(N-isopropylacrylamide-co-Acrylic acid) Microgels for Catalytic Applications | <i>e-Polymers</i> | 14(5), 313-321 |
| Dr. Muhammad | New applications to | <i>Journal of Advanced</i> | 3(1) |



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|----------------------------|---|---|---------------|
| Younis | solitary wave ansatz | <i>Physics,</i> | |
| Dr. Muhammad Younis | Ternary approximating non-stationary subdivision schemes for curve design | <i>Applied Mathematics</i> | 5(6) |
| Dr. Muhammad Younis | New exact travelling wave solutions for a class of nonlinear PDEs of fractional order | <i>Central European Journal of Engineering,</i> | 4(4) |
| Dr. Muhammad Younis | A new approach for the exact solution to nonlinear differential equations of fractional order via modified simple equation method | <i>Mathematical Sciences Letters,</i> | 3(3) |
| Dr. Muhammad Younis | A new approach for the exact solution to nonlinear differential equations of fractional order via modified simple equation method | <i>Applied Mathematics,</i> | 5(13) |
| Dr. Muhammad Younis | Solitary wave and shock wave solutions to the transmission line model for nano-ionic currents along microtubules | <i>Applied Mathematics and Computation,</i> | 246 |
| Dr. Muhammad Younis | Bright and dark solitons to the generalized $K(n,n)$ equation with time dependent coefficients | <i>Journal of Advanced Physics</i> | 3(3) |
| Dr. Muhammad Younis | Soliton solutions of fractional order KdV-Burger's equation | <i>Journal of Advanced Physics,</i> | 2014 |
| Dr. Muhammad Younis | Travelling wave solutions to some nonlinear evolution equations | <i>Applied Mathematics and Computation</i> | 249 |
| Shabnam Javed | Phytochemistry, GC-MS Analysis, Antioxidant and Antimicrobial potential of EO from five Citrus species | <i>Journal of Agricultural Science</i> | 6(3): 201-208 |
| Dr. Nadeem Iqbal | Fabrication and thermal characteristics of functionalized carbon nanotubes Impregnated polydimethylsiloxane Nanocomposite | <i>Journal of Composite Materials</i> | 0(0) 1-12 |
| Dr. Nadeem Iqbal | Ablation and thermo-mechanical investigation of short carbon fiber | <i>Polymer Degradation and Stability</i> | 110 |



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|-------------------------|---|---|----------|
| | impregnated elastomeric ablatives for ultrahigh temperature applications | | |
| Dr. Nadeem Iqbal | Kevlar supported novel polypropylene Membranes: effect of polymer Concentrations on the properties and Performance | International Journal of Advanced Technology in Engineering and Science | 02 |
| Dr. Nadeem Iqbal | Acrylonitrile butadiene rubber/phenolic Resin blended ablative composites For High temperature applications | International Journal of Advanced Technology in Engineering and Science | 02 |
| Dr. Nadeem Iqbal | Activated nanoclay impregnated styrene Butadiene rubber nanocomposites: Thermal Transport/decomposition, Thermal transitions and mechanical Parameter | International Journal of Advanced Technology in Engineering and Science | 02 |
| Dr. Nadeem Iqbal | Effect of quenching temperatures on the Properties and performance of Kevlar Supported IPP membranes | International Journal of Advanced Technology in Engineering and Science | 02 |
| Dr. Nadeem Iqbal | MWCNTS Incorporated Natural Rubber Composites: Thermal Insulation, Phase Transition and Mechanical Properties | IACSIT International Journal of Engineering and Technology | 03 |
| Dr. Nadeem Iqbal | Comprehensive Ablation Characteristics of Ceramic Fibers Impregnated Rubber Composites | IACSIT International Journal of Engineering and Technology | 03 |
| Dr. Nadeem Iqbal | A Review on the Specific Capacitance and Cyclic Stability of Graphene Based Metal/Metal Oxide Nanocomposites | Journal of Material Science and Technology (JMST) | accepted |
| Dr. Nadeem Iqbal | A Review on the Specific Capacitance and Cyclic Stability of Graphene Based Metal/Metal Oxide Nanocomposites | Journal of Material Science and Technology (JMST) | accepted |



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| Dr. Nadeem Iqbal | Functionalized nanoclay incorporated elastomeric nanocomposites: Thermal, ablation, and mechanical aspects | Journal of Applied Polymer Science | accepted |
|-------------------------|--|------------------------------------|----------|

• (books & chapters)

| Name | Title | Publisher | Country |
|----------------------|--|--|---------------|
| Shabnam Javed | <i>Aloe Vera</i> Gel In Food, Health Products & Cosmetics Industry | <u>Studies in Natural Products Chemistry</u> Elsevier Science <u>Publishers. 41(1):</u> <u>261-282.Chap 9</u> | (Netherlands) |

Conferences:

| Name | Title of paper | Title of conference | National/ international |
|---------------------------|---|--|----------------------------|
| Dr. Najam ul Sehar | Rust fungi of Himalayas of Pakistan, An Overview | 1 st International Symposium on “The Himalayas of Pakistan, Resources and Conservation issues” organized by Department of Genetics, Hazara University, Mansehra and Higher Education Commission of Pakistan, that held on November 27-30, 2014. Abstract No. 63, Published, P. 67. | International |
| Dr. Najam ul Sehar | An Overview of Ustilaginales in Himalayan Moist Temperate forests of Pakistan | 1 st International Symposium on “The Himalayas of Pakistan, Resources and Conservation issues” organized by Department of Genetics, Hazara University, Mansehra and Higher Education Commission of Pakistan, that held on November 27-30, 2014. Abstract No4, Published, P. 08 | International |
| Dr. Najam ul Sehar | Taxonomic Study of <i>Puccinia</i> of Malakand region | 1 st International Symposium on “The Himalayas of Pakistan, Resources and Conservation issues” organized by Department of Genetics, Hazara University, Mansehra and Higher Education Commission of Pakistan, that held on November 27-30, 2014. Abstract No83, Published, P. 89. | International |
| Dr. Najam | Diversity of <i>Puccinia</i> on <i>Poaceae</i> in | International conference of Plant | International |



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|---------------------------|--|--|---------------|
| ul Sehar | Pakistan | Sciences (ICPS) organized by Department of Botany, GC University, Lahore on September 22-24, 2014. Abstract No. OR-182, Published, P. 29 | |
| Dr. Najam ul Sehar | New species and host records of Rust fungi (Uredinales) on Ferns (Pteridophytes) from Khyber Pakhtunkhwa, Pakistan | 4 th International and 13 th National conference of Botany, organized by Pakistan Botanical Society at Shaheed Benazir Bhutto University, Upper Dir, that held on August 27-30, 2014. Abstract No. 197, Published, P. 112. | International |
| Dr. Najam ul Sehar | A taxonomic and phylogenetic study of Polyporales (Basidiomycota) of Malakand region, Khyber Pakhtunkhwa, Pakistan | 4 th International and 13 th National conference of Botany, organized by Pakistan Botanical Society at Shaheed Benazir Bhutto University, Upper Dir, that held on August 27-30, 2014. Abstract No. 20, Published, P. 12. | International |
| Dr. Najam ul Sehar | NEW AND NOTEWORTHY RUST FUNGI FROM DEOSAI PLAINS, PAKISTAN | 4 th International and 13 th National conference of Botany, organized by Pakistan Botanical Society at Shaheed Benazir Bhutto University, Upper Dir, that held on August 27-30, 2014. Abstract No. 196, Published, P. 112. | International |
| Dr. Najam ul Sehar | STUDY ON SPECIES DIVERSITY OF RUST FUNGI IN USHU VALLEY, PAKISTAN | 4 th International and 13 th National conference of Botany, organized by Pakistan Botanical Society at Shaheed Benazir Bhutto University, Upper Dir, that held on August 27-30, 2014. Abstract No. 207, Published, P. 117. | International |
| Robina Begum | Mechanism and kinetics of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacrylamide-co-allylacetic acid) hybrid microgels | 25 th National and 13 th International Chemistry Conference Institute of Chemistry, University of the Punjab, New Campus Lahore held on October 20-22, 2014. | International |
| Robina Begum | Reduction of nitroarenes in aqueous medium using multi-responsive microgels fabricated with Silver nanoparticles | 5 th EuCheMs Chemistry Congress, WOW Istanbul Convention Centre Turkey on August 31 to September 4, 2014 | International |
| Robina Begum | Study of kinetics of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacrylamide-co-allylacetic acid) hybrid microgels | 5 th EuCheMs Chemistry Congress, WOW Istanbul Convention Centre Turkey on August 31 to September 4, 2014 | International |
| Shabnam Javed | Phytochemical Profile & Antimicrobial Potential of | 25 th National and 13 th International Chemistry conference | international |



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|---------------------|---|--|---------------|
| | Monothecha Buxifolia Indigenous to Northern Area of Pakistan | <u>2014.PU.Lhr.Pakistan.</u> | |
| Humera Shoab | Identity at stake: Mohsin Hamid's "The reluctant fundamentalist". | <u>International conference on language literature culture and education at Kuala Lumpur. Malaysia 30th and 31st December.2014</u> | international |

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

R&D - An Overview

The College of Earth and Environmental Sciences has, in recent years, seen an immense boost in both infrastructure development as well as the creation of research opportunities. This has included the construction of an entirely new floor above the office area, re-organization and refinement of existing college premises, introduction of sustainable approaches to the management of various environmental problems (such as solid waste), and the establishment of new research laboratories as well as a seminar room. These developments have paved the way to an exciting new culture of environmental responsibility and active research in the College. Moreover, the student-administration link has been strengthened, which has enabled incorporation of student needs in the planning of new programmes. Thus, with the focus shifting from resolving management issues to improving the academic standing of the College, today both the faculty members and students at CEES find themselves much better equipped to become involved in challenging research projects.

Our research ventures span a wide range of subjects, as is the nature of Environmental Science. These include Ecosystem Sustainability, Biodiversity and Conservation, Chemicals and Pollutants, Environmental Geology, Environmental Toxicology, Environmental Biotechnology, Water Cycle and Water Management System, Atmospheric Changes and Climatic Shift, Waste Reduction, Recycling and Reuse, Green Economics, Waste Water Treatment System, Environment Health and Safety, Environmental Impact Assessment, Environmental Management System, Solid Waste Management, Waste Water Management, Carbon Foot-printing, Energy Conservation and Sustainable Power Generation, Green Chemistry and Biofuel Generation. The faculty members and students are focused on expanding this research base even further, by utilizing newly-added research facilities of the College. Details of such research activities and developmental achievements can be reviewed in the following sections.

Projects:

Following are lists of research projects which are completed or currently being executed under the college:

Completed / Ongoing

Prof. Dr. Firdaus-e-Bareen

Title: Sustainable and dependable management of *PartheniumhysterophorusL.*: Converting stubborn weed biomass into quality biochar.



University of the Punjab, Lahore, Pakistan. Total Amount PKR 250,000/-

Title: De-toxification of industrial sludge using aquatic plants and indigenous microbes.

HEC, Pakistan. Total Amount PKR 2,760,230/-

Dr. Muhammad Nawaz

Title: Molecular characterization of human Tuberculosis (TB) and analysis of different environmental factors.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 250,000/-

Dr. Riaz Ahmad Sheikh

Title: Upstream petroleum activities and occupational health and safety – management system: A case study from Potwar region, Pakistan.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 250,000/-

Dr. Iftikhar Ahmad

Title: Investigating hydropower potential in Indus river system for future development.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Dr. Irfan Ahmad Sheikh

Title: Treatment of reuse of spent textile effluent using Ozone, wetlands or other economical methods.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Mr. Muhammad Kamran

Title: An assessment of policy instruments for sustainable tourism management: A case study of Pakistan.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Dr. Abdul Qadir

Title: Urban environmental degradation at Lahore with reference change in bird assemblage.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Title: Assessment of habitat and biotic conditions of River Chenab, Bajwat, Pakistan.

HEC, Pakistan. Total Amount PKR 500,000/-

Dr. Nadia Jamil

Title: Removal of heavy metals from waste water by nanotechnology.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Ms. Soniya Munir

Title: A study for the evaluation of RDF potential of municipal solid waste.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 125,000/-

Ms. Mariyam Zameer

Title: Potential of bioethanol production from cellulase produced by *Bacillus cellulosilyticus* from yard waste of Punjab University, New Campus.



University of the Punjab, Lahore, Pakistan. Total Amount PKR 125,000/-

Mrs. Durr-e-Shahwar and Mr. Mujtaba Baqar

Title: GIS platform for land degradation assessment for sustainable agriculture in Pakistan.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 125,000/-

Dr. Muhammad Shafiq

Title: Individual and synergistic role of compost and biochar in enhancing efficiency of commercial fertilizers.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 125,000/-

Newly launched

Prof. Dr. Firdaus-e-Bareen

Title: Distribution kinetics of cadmium fractions influenced by EDTA and biochar applications during phytoremediation.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 250,000/-

Title: Treatment and recycling of sewerage water system of Q.A. campus, University of the Punjab, by constructed wetlands and membrane technology.

Funded from lump sum provision for research budget for the financial year 2014-15. Total Amount PKR 1,000,000/-

Dr. Iftikhar Ahmed

Title: Exploring surface water resources in Indus river system for long-term sustainability.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Dr. Nadia Jamil

Title: Removal of reactive dyes from textile effluents by nanotechnology.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 300,000/-

Dr. Abdul Qadir

Title: Residual effects of organochlorinated pesticides (OCPs) in urban, rural and industrial occupational persons in Lahore, Pakistan.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 280,000/-

Dr. Irfan Ahmed Shaikh

Title: Advanced treatments to remove pollutants from drinking water / waste water.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Dr. Yumna Sadeef

Title: Investigating waste-to-energy potential in Pakistan utilizing local organic fraction of municipal solid waste.

University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Mr. Muhammad Kamran

Title: How to make a complete eco-friendly continental restaurant.



University of the Punjab, Lahore, Pakistan. Total Amount PKR 150,000/-

Publications

Ahmed, F., Shaikh, I., Hussain, T., Ahmad, I., Munir, S., & Zameer, M. (2014). Development in health care and medical textiles – a mini review – 1, *Pakistan Journal of Nutrition*, 13(12), 780-783.

Arooj, F., Ahmad, N., Shaikh, I.A., & Chaudhry, M.N. (2014). Application of ozone in cotton bleaching with multiple reuse of a water bath. *Textile Research Journal*, 84(5), 527-538.

Abbas, N., Deeba, F., Jamil, N., Chaudhary, M.N., & Khan R.A. (2014). Comparative study of metal contents in soil and plants being irrigated by tannery treated and fresh water. *Asian Journal of Chemistry*, 26(4), 963-966.

Abbas, N., Deeba, F., Irfan, M., Butt, M.T., Jamil, N., & Khan, R.A. (2014). Treatability study of arsenic, fluoride and nitrate from drinking water by adsorption process. *Journal of the Chemical Society of Pakistan*, 36(5), 837-840.

Ahmad, N., Shaikh, I.A., Munir, S., Suhail, E., & Ahmad, I. (2014). Design and development of environment friendly textile dyeing machine. *Technical Journal, University of Engineering and Technology, Taxila*, 19(3), 45-49.

Arooj, F., Ahmad, N., & Chaudhry, M.N. (2014). A pilot scale application of ozone to bleach raw cotton fabric using various additives. *Ozone: Science & Engineering*, DOI: 10.1080/01919512.2014.956861

Ahmed, F., Saleemi, Sahito, A.R., Shaikh, I.A. & Rajput, A.W. (2014). Characterization of rotor spun knitting yarn at high rotor speeds. *Technical Journal, University of Engineering and Technology, Taxila*, 19(4), 73-78.

Ahmed, F., Sheikh, I.A., Hussain, T., Ahmad, I., Munir, S., & Zameer, M. (2014). Developments in health care and medical textiles: A mini review. *Pakistan Journal of Nutrition*, 13(12), 780-783.

Gulzar, S., Chaudhry, M.N., Burg, J.P., & Saeed, S.A. (2014). Analytical characterization of deteriorated stone surfaces from Jahangir Tomb, Lahore, Pakistan. *Asian Journal of Chemistry*, 26(3), 790-794.

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Seminars / Programmes organized by CEES

- 1st International Seminar on “Soil health reclamation approaches”.
11th June 2014, College Of Earth & Environmental Sciences, University of the Punjab, Lahore.
- MOU signing for “Biogasification from organic waste”.
12th March 2014, College of Earth & Environmental Sciences, University of the Punjab, Lahore.
- World Environment Day was celebrated as a one-day seminar.
5th June 2014, College of Earth & Environmental Sciences, University of the Punjab, Lahore – in collaboration with EPA, Punjab, Pakistan.
- The World Tourism Day was celebrated as a one-day seminar.
27th September 2014, College of Earth & Environmental Sciences, University of the Punjab, Lahore – in collaboration with TDCP, Punjab, Pakistan.

Participation in National / International Conferences

Ayub, M., Bareen, F., & Shafiq, M. (2014). *Harnessing bioenergy crops on tannery waste polluted soils subsidized by heavy metal partitioning during phytoextraction*. Presented at the International Conference on Emerging Trends in Life Sciences for Sustainable Development, Forman Christian College (A Chartered University) Lahore, Pakistan.

Chaudhry, M. N. and Ahsan, N. (2014). *Northwest Himalaya – Anatomy of a collision belt*, presented at the conference on Hydrocarbon Potential of Kashmir Basin, Muzafarabad, by PAPG in collaboration with Azad Jammu & Kashmir University, Pakistan.

Chaudhry, M. N., Batool, S.A. and Noman, M. (2014). *Green house gas emissions from solid waste management systems in Pakistan and their reduction using alternative scenarios*. Presented at 2nd National Conference in Science and Research (ASR) at COMSATS Institute of Information Technology, Vehari, Pakistan.



Imtiaz, A., Bareen, F., &Shafiq, M. (2014). *Biofungicide potential of algal extracts of genus Microspora sp. against Fusarium wilt of tomato*. Presented at the International Conference on Soil Health Reclamation Approaches, University of the Punjab, Lahore, Pakistan.

Imtiaz, A., Bareen, F., &Shafiq, M. (2014). *Biofungicidal role of bioactive compounds from the algal extracts of microspora floccose*. Presented at the International Conference on Plant Sciences, Government College University, Lahore, Pakistan.

Khan, Q., Bareen, F., &Shafiq, M. (2014) *Indigenous management of Partheniumhysterophorus by converting it into quality compost*. Presented at the International Conference on Emerging Trends in Life Sciences for Sustainable Development, Forman Christian College (A Chartered University) Lahore, Pakistan.

Khan, M.A., Tariq, S., Bareen, F. &Shafiq, M. (2014). *Potential of selected construction wastes as bed material in simulatory constructed wetlands*. Presented at the International Conference on Environment and Sustainable Development, Government College University, Lahore, Pakistan.

Khalid, A., Bareen, F., &Shafiq, M. (2014) *Sustainability aspects of rice straw filters in industrial effluent irrigated soil*. Presented at the International Conference on Soil Health Reclamation Approaches, University of the Punjab, Lahore, Pakistan.

Nazir, A., Bareen, F., Thies, J.E. &Shafiq, M. (2014). *Selected fungal biostimulants and their role in heavy metal phytoextraction from tannery solid waste contaminated soils*. Presented at the International Conference on Plant Sciences, Government College University, Lahore, Pakistan.

Shaikh, I.A (2014). *A pilot-scale study to reduce water consumption in cotton dyeing using ozone – A green approach*. Phuket International Conference proceedings by Australian Society for Commerce, Industry and Engineering, pp.1-8, ISSN 2203-9449.

Shuja, M., Nazir, A., Bareen, F., &Shafiq, M. (2014). *Potential of biotic and abiotic positive reinforces for enhancing heavy metal mobility in complex tannery waste medium*. Presented at the International Conference on Emerging Trends in Life Sciences for Sustainable Development, Forman Christian College (A Chartered University), Lahore, Pakistan.

Shafiq, M., Nazir, A., &Bareen, F., (2014). *Suitability of tannery waste polluted soils for harnessing bioenergy crops along with heavy phytoextraction*. Presented at the International Conference on Environment and Sustainable Development, Government College University, Lahore, Pakistan.

Shafiq, M., &Bareen, F. (2014) *Long term effects of rice straw compost on soil quality management and yield enhancement in rice-wheat system*. Presented at the International Conference on Plant Sciences, Government College University, Lahore, Pakistan.

Shafiq, M., Jabeen, F., Ayyub, M., &Bareen, F. (2014). *Assisted phytoremediation of kasur tannery polluted soils with moringa; enhancing economic viability*. Presented at the International Conference on Plant Sciences, Government College University, Lahore, Pakistan.



Shafiq, M., & Bareen, F. (2014). *Role of home composting in sustainable community development, pamco's kitchen gardening program and solid waste management by LWMC*. Presented at the International Conference On Environment And Sustainable Development, Government College University, Lahore, Pakistan.

Research Journals

College Journal "Pakistan Journal of Earth and Environmental Sciences" is in the process of being launched.

Research Collaborations

Indigenous

- WWF, Pakistan (for environment-related conferences, seminars, internships and job opportunities for students)
- Ministry of Science and Technology, Lahore.
- University of Health Sciences, Lahore.
- CAMB, Lahore.
- CEMB, Lahore (Research on genetically modified crops)
- PCSIR Laboratories, Lahore.
- NUST, Islamabad.
- UVAS, Lahore
- Pakistan Council of Renewable Energy Technologies, Government of Pakistan (Research on Renewable Energy)
- Dr. Nasir Mahmood, Assistant Professor, University of Health Sciences, Lahore.
- Prof. Dr. Waheed Akhtar, School Biological Sciences, University of the Punjab, Lahore.

Foreign Linkages

- International collaboration with Sichuan South Gas Compressor Co. Ltd., China for the Biogasification project.
- International collaboration with Soil Microbiology Division, Cornell University, New York, USA (Research linkage in the field of sustainable soil health practices and organic solid waste management).
- Linkages with head of the department of Earth Sciences at the ETH-Zurich, Switzerland.
- International collaboration with the Department of Pathology and Laboratory Medicine, University of California, Health System Sacramento, USA.
- University of Cambridge, UK (upcoming collaboration on Environmental Biotechnology)

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

R&D-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.

Projects:

Completed: 2

Publications:

- Chand, S. and Kamal, S. (2014). Mixed portmanteau test for diagnostic checking of time series models. *Journal of Applied Mathematics*. Vol 2014, Article ID 545413.
- Abbas, R., Abbas, H.G., Shahid, A., Chand, S. and Nawaz, S. (2014). Reference Intervals for Free T3 and Free T4 in Pakistani Euthyroid Patients: Effect of Age and Gender on Thyroid Function. *Journal of College of Physicians and Surgeons of Pakistan*, Vol. 24, No. 11, 806-809.
- Iqbal, F. and Chand, S. (2014). Modeling Monthly and Annual of Temperature Series of Quetta, Pakistan. *Pakistan Journal of Statistics and Operation Research*, Vol. 10 No. 4, 361-368.
- Chand, S. and Hadyait, M.A. (2014). Oral health related knowledge, attitude and practice among school children from rural and urban areas of district Sheikhpura, Pakistan. *Pakistan Oral and Dental Journal*, Vol. 34, No. 1, 109-112.
- Shera, H.M.M.J., and Dar, I.S. (2014). Addressing corner solution effect for child mortality status measure: An application of Zobit Model. *International journal of Academic Research in Business and Social Sciences*, 4(12): 218-225.
- Haq, M.A, Dar, I.S., and AIN, Q.T. (2014). Impact of Increased Cell Phone usage in Youth. *European Academic Research*, 2(4): 5026-5037.
- Zulfiqar Ali Raza, Naseer Ahmad, Dr. Shahid Kamal (2014). Multi-response optimization of rhamnolipid production using grey rational analysis in Taguchi method. *Biotechnology Report*.
- Dr. Shahid Kamal, Rehan Ahmad Khan, Gausia Masood Gilani, M. Ali Raza (2014). Structural Modeling of Data on Quality of Life of Breast Cancer Survivors. *DORIANA*, 48 (7). ISI Indexed
- Dr. Shahid Kamal, Asaf Kamal, Rehan Ahmad Khan, M. Ali Raza (2014). Leadership Styles in Public and Private Sector Universities in Pakistan ISI Indexed. *Journal of Leadership Statistics*.
- Dr. Shahid Kamal (2014). Multi-response optimization of Biosurfactant production using integrated Taguchi and grey rational analytical approaches. *Biotechnology Reports (Elsevier)*
- Nadia Saeed, Dr. Shahid Kamal (2014). The Bootstrap S-Chart for Process Variability: An alternative to MAD chart.
- Azam, Z and Akhter, A.S. (2014). Modified Moment, Maximum Likelihood and Percentile Estimators for the Parameters of the Power Function Distribution
- Sarwar A, Aftab, H. and Sherwani, R.A.K. (2014). Impact of Macroeconomic Factors on the Stock Index: A Case Study of Pakistan. *Science International*, (Lahore), 26(5). (Accepted). ISI Indexed.

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 2013-2014.



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.4,30,000 was received for the Pakistan Journal of Statistics and Operation Research (PJSOR)

DEPARTMENT OF GEOGRAPHY

R&D-An Overview

- Department of Geography was formerly established at the University of the Punjab in October 1944, at its Old campus. Later it was shifted to its new campus i.e. Quaid-e-Azam Campus in 1965. At the time of independence Geography Department was offering graduate work at Master level. The department is now offering new programs like BS, M.Phil/MS Geography and PhD.
- Seminar Library is available online.
- Laptops are provided to faculty members by the department.
- Pakistan Geographical Review (PGR), A research Journal of the department is available online.

Publications

- *The following research papers were published by the faculty of this*

Department during 2013-14.

- Riaz, O, Ghaffar, A and Butt,I,; **Modeling landuse patterns of Lahore (Pakistan) using remote sensing and GIS**, Global journal of science frontier research, 14(1), 2014
- Shirazi, S.A. and Kazmi, J.H,; **Analysis of population of growth and urban developmnt in Lahore Pakistan usig geospatial techniques: Suggesting some future options**, Journal of south asian studies Centre for south asian studies, PU, Lahore, 29(1), 2014
- Shirazi, S.A. Zia S., Bhalli M. N and Alam, R,; **Temporal analysis of temperature trends in the metropolitan area of Lahore, Pakistan**, Pakistan Journal of Science, 66(1), 2014
- Shirazi, S.A., R. Alam, M.N. Bhalli and S. Zia,; **Spatial distribution of urban green spaces in Lahore, Pakistan: A case study of Gulberg Town**, Pakistan Journal of Science, 66(3), 2014
- Siddiqui, S and Soldati M,; **Appraisal of active tectitions using DEM based hypsometric integral and trend surface analysis in emilia romagna apennines, northern italy**, Turkish Journal of earth sciences, 23(03), 2014



- Siddiqui, S, Soldati, M. and Castaldini, D.; **Appraisal of active deformation from drainage network and faults inferences from non linear analysis**, Earth science informatics, 7(04), 2014
- Siddiqui, S.; **Appraisal of active deformation using DEM based morphometric analysis in Emilia Romagna Apennines Northern Italy**, Geodynamic research International bulletin, 1(03), 2014

Research Journals

The prestigious Pakistan Geographical Review is being published since 1942 and is available online.

Research Collaboration

- Indigenous:
Thesis and Research Reports are regularly carried out by the students of this department and are available in Seminar Library. The faculty of this department is supervising research thesis/reports not only of their own students but also various other post-graduate departments of the Punjab.

DEPARTMENT OF MATHEMATICS

R&D-An Overview

Department of Mathematics organized a series of departmental seminars from October 2013 - September 2014. Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik, Dr. Ghazala Akram and Dr. Muhammad Akram presented papers in different National and International conferences. During the above mentioned period, the detail of enrolled students is: 13 in Ph.D., 28 in M.Phil. 76 students in M.Sc. (Morning), 82 students in M.Sc. (Self-Supporting), 39 in BS.

12 Ph.D. Students, 16 M.Phil. Students, 41 M.Sc. students and 21 BS Students completed their degrees during the said period. M.Phil./MS/ Ph.D. students are doing research in different fields under the supervision of Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik, Dr. Ghazala Akram, Dr. Muhammad Akram, Dr. Aziz Ullah Awan, Dr. Uzma Ahmad and Prof. Dr. Shahid S. Siddiqi (Retired). The Department of Mathematics, University of the Punjab organized two days conference on Lecture Series Cosmology from November 08-09, 2013.

In Departmental seminar, ten faculty members and 21 M.Phil. and Ph.D. scholars delivered lectures.

Departmental Library has been enriched by adding 145 books relevant to Mathematics and 19 new research Journals during this period.

Projects: (i) Completed

(ii) Newly launched

○ **Publications**

1. M. Sharif and M. Z. Bhatti, *Effects of Electromagnetic Field on Shearfree Spherical Collapse*: Astrophys. Space Sci. **347**(2013)337-348 (**Springer**).
2. M. Sharif and Shamaila Rani, *Dynamical Wormhole Solutions in $f(T)$ Gravity*: Gen. Relativ.



- Gravit. **45**(2013)2389-2402 (**Springer**).
3. M. Sharif, Shamaila Rani and R. Myrzakulov, *Analysis of $F(R,T)$ Gravity Models Through Energy Conditions*: Eur. Phys. J. Plus **128**(2013)123 (**Springer**).
 4. M. Sharif and M.Z. Bhatti, *Stability of the Expansion-Free Charged Cylinder*., J. Cosm. Astropart. Phys. **10**(2013)056 (**IOP, UK**).
 5. M. Sharif and A. Jawad, *Pilgrim Dark Energy with Apparent and Event Horizons in Non-flat Universe*: Eur. Phys. J. C **73**(2013)2600 (**Springer**).
 6. M. Sharif and Saira Waheed, *Cosmology of Some Holographic Dark Energy Models in Chameleonic Brans-Dicke Gravity*: Astrophys. Space Sci. **348**(2013)261-273 (**Springer**).
 7. M. Sharif and Zuriat Zahra, *Static Wormhole Solutions in $f(R)$ Gravity*: Astrophys. Space Sci. **348**(2013)275-282 (**Springer**).
 8. M. Sharif and M.Z. Bhatti, *Stability Analysis of Restricted Non-Static Axial Symmetry*: J. Cosm. Astropart. Phys. **11**(2013)014 (**IOP, UK**).
 9. M. Sharif and Z. Yousaf, *Effects of CDTT Model on the Stability of Spherical Collapse in Palatini $f(R)$ Gravity*: Eur. Phys. J. C **73**(2013)2633 (**Springer**).
 10. M. Sharif and Amal Majid, *Electromagnetic Field and Dynamics of Tilted Lemaitre-Tolman-Bondi Spacetimes*: Astrophys. Space Sci. **348**(2013)583-589 (**Springer**).
 11. M. Sharif and M. Zubair, *Study of Thermodynamic Laws in $f(R, T, R_{\mu\nu}, T^{\mu\nu})$ Gravity*: J. Cosm. Astropart. Phys. **11**(2013)042 (**IOP, UK**).
 12. M. Sharif and M. Zubair, *Thermodynamics in Modified Gravity with Curvature Matter Coupling*: Advances High Energy Phys. **2013**(2013)947898 (**Hindawi Publishing Corporation**).
 13. M. Sharif and Hira Tahir, *Dynamical Properties of Tilted Plane Symmetric Spacetime*: Eur. Phys. J. Plus **128**(2013)146 (**Springer**).
 14. M. Sharif and G. Abbas, *Perfect Fluid Accretion by the Interior of Black Hole*: Int. J. Mod. Phys.: Conf. Series **23**(2013)263-267 (**World Scientific**).
 15. M. Sharif and Wajiha Javed, *Tunneling from Reissner-Nordstrom-de Sitter Black Hole with a Global Monopole*: Int. J. Mod. Phys.: Conf. Series **23**(2013)271-275 (**World Scientific**).
 16. M. Sharif and H. Rizwana Kausar, *Coupling of Dynamical and Transport Equations in $f(R)$ Gravity*: Int. J. Mod. Phys.: Conf. Series **23**(2013)276-280 (**World Scientific**).
 17. M. Sharif and A. Jawad, *Interacting Generalized Dark Energy and Reconstruction of Scalar Field Models*: Mod. Phys. Lett. A **28**(2013)1350180 (**World Scientific**).
 18. M. Sharif and A. Jawad, *Entropy Corrected Holographic Scalar Field Models of Dark Energy in Kaluza-Klein Universe*: Eur. Phys. J. Plus **128**(2013)152 (**Springer**).
 19. M. Sharif and Shamaila Rani, *Wormhole Solutions in $f(T)$ Gravity with Noncommutative*



- Geometry*, Phys. Rev. D. **88**(2013)123501 (APS).
20. M. Sharif and M. Zubair, *Energy Conditions in $f(R, T, R_{\mu\nu}T^{\mu\nu})$ Gravity*: J. High Energy Phys. **12**(2013)079 (Springer).
 21. M. Sharif and M. Zubair, *Study of Bianchi I Anisotropic Model in $f(R,T)$ Gravity*: Astrophys. Space Sci. **349**(2014)457-465 (Springer).
 22. M. Sharif and M. Zubair, *Reconstruction and Stability of $f(R,T)$ Gravity with Ricci and Modified Ricci Dark Energy*: Astrophys. Space Sci. **349**(2014)529-537 (Springer).
 23. M. Sharif and M. Azam, *Role of Anisotropy in the Expansion-free Plane Gravitational Collapse*: Gen. Relativ. Gravit. **46**(2014)1647 (Springer).
 24. M. Sharif and M.Z. Bhatti, *Stability of the Charged Radiating Cylinder*: Phys. Lett. A **378**(2014)469-474 (Elsevier).
 25. M. Sharif and Shamaila Rani, *Entropy Corrected Holographic Dark Energy $f(T)$ Gravity*: Mod. Phys. Lett A **29**(2014)1450015 (World Scientific).
 26. M. Sharif and A. Jawad, *Phantom-like Generalized Cosmic Chaplygin Gas and Traversable Wormhole Solutions*: Eur. Phys. J. Plus **129**(2014)15 (Springer).
 27. M. Sharif and Rabia Saleem, *Warm Anisotropic Inflationary Universe Model*: Eur. Phys. J. C **74**(2014)2738 (Springer).
 28. M. Sharif and Imrana Shafique, *Magnetized Anisotropic Bianchi VI_0 Cosmology in Brans-Dicke Gravity*: Eur. Phys. J. Plus **129**(2014)26 (Springer).
 29. M. Sharif and M.Z. Bhatti, *Charged Static Axial Symmetric Solutions and Scalar Structures*: Astrophys. Space Sci. **349**(2014)995-1002 (Springer).
 30. M. Sharif and Saira Waheed, *Scalar-Tensor Cosmology and GSLT with Entropy Corrections*: Astrophys. Space Sci. **349**(2014)1003-1014 (Springer).
 31. M. Sharif and A. Jawad, *Evolution of the Universe with Time Varying Constants*: Chinese J. Phys. **52**(2014)101-110 (China).
 32. M. Sharif and Sehrish Azeem, *Dark Energy Models and Cosmic Acceleration with Anisotropic Universe in $f(T)$ Gravity*: Commun. Theor. Phys. **61**(2014)482-490 (China).
 33. M. Sharif and Z. Yousaf, *Electromagnetic Field and Dynamical Instability of Collapse with CDTT Model*: Astropart. Phys. **56**(2014)19-25 (Elsevier).
 34. M. Sharif and M.Z. Bhatti, *On the Stability of a Class of Radiating Viscous Self-Gravitating Stars with Axial Symmetry*: Astropart. Phys. **56**(2014)35-41 (Elsevier).
 35. M. Sharif and Shamaila Rani, *Dynamical Instability of Spherical Collapse in $f(T)$ Gravity*: Mon. Notices Roy. Astron. Soc. **440**(2014)2255-2264 (OUP).
 36. M. Sharif and A. Jawad, *Non-flat FRW Universe with Generalized Holographic Dark Energy*: Ind. J. Phys. **88**(2014)529-539 (Springer).



37. M. Sharif and Z. Yousof, *Stability Analysis of Cylindrically Symmetric Self-gravitating Systems in $R+\epsilon R^2$ Gravity*: Mon. Notices Roy. Astron. Soc. **440**(2014)3479-3490 (**OUP**).
38. M.E. Rodrigues, M.H. Daouda, M.J.S. Houndjo, R. Myrzakulov and M. Sharif, *Inhomogeneous Universe in $f(T)$ Theory*: Gravitation and Cosmology **20**(2014)80-89 (**Springer**).
39. M. Sharif and Iqra Nawazish, *Dynamics of Tilted and Non-tilted Lemaitre-Tolman-Bondi Spacetime in $f(R)$ Gravity*: Astrophys. Space Sci. **351**(2014)313-320 (**Springer**).
40. M. Sharif and A. Jawad, *Analysis of Generalized Ghost Version of Pilgrim Dark Energy*: Astrophys. Space Sci. **351**(2014)321-328 (**Springer**).
41. M. Sharif and Saira Waheed, *Magnetized Chameleonic Brans-Dicke Cosmology and Phase.Space Analysis*: Astrophys. Space Sci. **351**(2014)329-349 (**Springer**).
42. M. Sharif and Z. Yousof, *Cylindrical Thin-shell Wormholes in $f(R)$ Gravity*: Astrophys. Space Sci. **351**(2014)351-360 (**Springer**).
43. M. Sharif and Hira Tahir, *Dynamics of Tilted Spherical Star and Stability of Non-Tilted Congruence*: Astrophys. Space Sci. **351**(2014)619-624 (**Springer**).
44. M. Sharif and Ayesha Ikram, *Dissipative Planar Gravitational Collapse in $f(G)$ Gravity*: Mod. Phys. Lett. A **29**(2014)1450068 (**World Scientific**).
45. M. Sharif and Rabia Saleem, *Cardy-Verlinde Formula and its Self-gravitational Corrections for Regular Black Holes*: Advances High Energy Phys. **2014**(2014)926589 (**Hindawi Publishing Corporation**).
46. M. Sharif and M. Zubair, *Cosmological Reconstruction and Stability in $f(R,T)$ Gravity*: Gen. Relativ. Gravit. **46**(2014)1723 (**Springer**).
47. M. Sharif and Nida Haider, *Center of Mass Energy for Charged Particles in Regular Black Holes*: Can. J. Phys. **92**(2014)497-503(**Canada**).
48. M. Sharif and M. Zubair, *Cosmological Evolution of Pilgrim Dark Energy*: Astrophys. Space Sci. **352**(2014)263-272 (**Springer**).
49. M. Sharif and Z. Yousof, *Energy Density Inhomogeneities with Polynomial $f(R)$ Cosmology*: Astrophys. Space Sci. **352**(2014)321-329 (**Springer**).
50. M. Sharif and M.Z. Bhatti, *Effects of Some Physical Factors on the Inhomogeneity in Planar Symmetry*: Mod. Phys. Lett. A **29**(2014)1450094 (**World Scientific**).
51. M. Sharif and Z. Yousof, *Instability of a Dissipative Restricted Non-static Axial Collapse with Shear Viscosity in $f(R)$ Gravity*: J. Cosm. Astropart. Phys. **06**(2014)019 (**IOP, UK**).
52. M. Sharif and Rabia Saleem, *Study of Inflationary Generalized Cosmic Chaplygin Gas for Standard and Tachyon Scalar Fields*: Eur. Phys. J. C **74**(2014)2943 (**Springer**).
53. M. Sharif and M.Z. Bhatti, *Radiating Collapsing Relativistic Models*: Physica Scripta



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60. **M. Sharif** and Shamaila Rani, *Pilgrim Dark Energy in $f(T)$ Gravity: J. Exp. Theor. Phys.* **119(2014)75-82 (Springer).**
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63. M. Sharif and Shamaila Rani, *$f(T)$ Gravity and Static Wormhole Solutions: Mod. Phys. Lett. A* **29(2014)1450137 (World Scientific).**
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95. Muhammad Akram, Feng, F., Sarwar, S. and Jun, Y.B, *Certain Types of Vague Graphs*, U.P.B Sci. Bull., Series A, **76**, (2014).
96. Muhammad Akram, Gani, N. and Saeid, A.B, *Vague Hypergraphs*, Journal of Intelligent and Fuzzy System, **26**, (2014).



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98. Muhammad Akram, Zhou, M and Shenggang, L, *Categorical Properties of Soft Sets*, The Scientific World Journal, **2014**, (2014).
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108. Muhammad Khalid Mahmood, Yaser Daanial Khan, Nabeel Sabir Khan, Shoaib Farooq, Adnan Abid, Sher Afzal Khan and Farooq Ahmad, *An Efficient Algorithm for Recognition of Human Actions*, The Scientific World Journal, **2014**, (2014).
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110. Aziz Ullah Awan, M. Athar, Coria Fetecau and Mehwish Rana, *Unsteady Flow of a Maxwell Fluid with Fractional Derivatives in a Circular Cylinder Moving with a Non-Linear Velocity*,



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1. Prof. Dr. Muhammad Sharif attended a conference on “*Second National Conference on Space Science*” ISPA, University of Karachi, October 07-08, 2013.
2. Prof. Dr. Muhammad Sharif attended a symposium on “*27th Texas Symposium on Relativistic Astrophysics*” Dallas, USA, December 08-13, 2013.
3. Prof. Dr. Muhammad Sharif attended a conference on “*Symmetries, Differential Equation and Applications-II*” SNS-NUST, Islamabad, January 27-30, 2014.
4. Prof. Dr. Muhammad Sharif attended a conference on “*First National conference on Mathematical Sciences*” Department of Mathematics, University of Malakand, Chakdara, Dir Lower, KPK, September 02-04, 2014.
5. Prof. Dr. Malik Zawwar Hussain invited for “*Interactive visualization techniques for 3D data*” 16th International Conference on Humans and Computers, Shizuoka University, Hamamatsu Japan, December 17, 2013.
6. Prof. Dr. Malik Zawwar Hussain invited for “*Shape preserving spline curves and surfaces for computer graphics*” One Day Workshop on Computational Mathematics with Applications, Shaheed Benazir Bhutto Women University Peshawar, March 10, 2014.
7. Prof. Dr. Malik Zawwar Hussain, presented the paper on “*Two methods of object designing by rational splines*” in 18th International Conference on Information Visualization, Paris, France, July 15-18, 2014.
8. Prof. Dr. Malik Zawwar Hussain worked as member, Program and Reviewing Committee, “*International of Graphical Models and Imaging GMAI*” July 15-18, 2014.
9. Dr. Muhammad Aslam Malik participated in international workshop on “*discrete structures*” held at NUST, Islamabad, on March 05-07, 2014.
10. Dr. Muhammad Aslam Malik participated in CASM Workshop on “*Recent Advances in Commutative Algebra with Algebraic Geometry*” held at LUMS, Lahore on March 28-29, 2014.
11. Dr. Ghazala Akram attended on “*Lecture Series on Cosmology*” at Department of Mathematics on November 08-09, 2013.
12. Dr. Uzma Ahmad presented a paper on “*The power digraphs of finite groups*” at International workshop on discrete structures, National University of Science and Technology (NUST), Islamabad.
13. Dr. Uzma Ahmad attended a conference on “*International Workshop on Discrete Structures*” at National University of Science and technology (NUST), Islamabad, 2014.
14. Dr. Uzma Ahmad attended a workshop “*on Recent Advances in Commutative Algebra with Algebraic Geometry*” at LUMS, Lahore on March 28-29, 2014.
15. Dr. Aziz Ullah Awan attended a workshop on “*Computational Fluid Dynamics and Scientific Computing*” on November 08-09, 2013, CASM-PIEAS.



16. Ms. Saira Hameed attended a workshop on *“Recent Advances in Commutative Algebra with Algebraic Geometry”* at LUMS, Lahore on March 28-29, 2014.
17. Mr. Zeeshan Yousaf attended *“Lecture Series on Cosmology”* at Department of Mathematics, University of the Punjab, and Lahore-Pakistan during November 08-09, 2013.
18. Mr. Zeeshan Yousaf attended on *“First National conference on Mathematical Sciences”* Department of Mathematics, University of Malakand, Chakdara, Dir Lower, KPK, September 02-04, 2014.
19. Mr. Zeeshan Yousaf attended a conference on *“Symmetries, Differential Equations and Applications II”* on January 27-30, 2014, NUST, Islamabad-Pakistan.
20. Mr. Zeeshan Yousaf presented paper on *“Dynamical Instability of Charged Spherical Radiating Collapse in $f(R)$ Gravity”* at 1st National Conference on Mathematical Sciences, University of Malakand, KPK, and Pakistan on September 02-04, 2014.
21. Mr. Zeeshan Yousaf presented paper on *“Stability of Charged Spherical Dissipative Collapse in $f(R)$ Gravity”* at *Symmetries, Differential Equations and Applications II* School of Natural Sciences, NUST, Islamabad at January 27-30, 2014.
22. Mr. Muhammad Zaeem ul Haq Bhatti attended on *“Lecture Series on Cosmology”* at Department of Mathematics, University of the Punjab, Lahore-Pakistan during November, 2013.
23. Mr. Muhammad Zaeem ul Haq Bhatti attended on *“First National conference on Mathematical Sciences”* Department of Mathematics, University of Malakand, Chakdara, Dir Lower, KPK, September 02-04, 2014.
24. Mr. Muhammad Zaeem ul Haq Bhatti attended a conference on *“Symmetries, Differential Equations and Applications II”* on January 27-30, 2014, NUST, Islamabad-Pakistan.
25. Mr. Muhammad Zaeem ul Haq Bhatti presented a paper on *“Charge Static Axial Symmetric Solutions and Scalar Structures”* at Department of Mathematics, University of the Punjab, Lahore on December 04, 2014.
26. Mr. Muhammad Zaeem ul Haq Bhatti presented a paper on *“Structure Scalars in Charge Cylindrically Symmetric Relativistic Fluids”* 1st National Conference on Mathematical Sciences, University of Malakand, KPK-Pakistan on September 02-04, 2014.
27. Mr. Muhammad Zaeem ul Haq Bhatti presented a paper on *“Stability of the Expansion-free Charged Cylinder in an international conference at School of Natural Sciences”* NUST, Islamabad on January 27-30, 2014.
28. Ms. Rabia Saleem attended on *“Lecture Series on Cosmology”* at Department of Mathematics, University of the Punjab, Lahore-Pakistan during November, 2013.



- 29 Ms. Rabia Saleem attended a conference on “*Symmetries, Differential Equations and Applications II*” on January 27-30, 2014, NUST, Islamabad-Pakistan.
- 30 Ms. Rabia Saleem attended on “*1st National Conference on Mathematical Sciences*” at University of Malakand, KPK-Pakistan during September 2014.
- 31 Miss Rubab Manzoor attended on “*First National Conference on Mathematical Sciences*” Department of Mathematics, University of Malakand, Chakdara, Dir Lower, KPK, September 02-04, 2014.
- 32 Ms. Fariha Zafar attended a Workshop on “*Recent Advances in Commutative Algebra with Algebraic Geometry*” at CASM, LUMS, Lahore on March 28-29, 2014.
- 33 Ms. Rabia Akmal attended a Workshop on “*Recent Advances in Commutative Algebra with Algebraic Geometry*” at CASM, LUMS, Lahore on March 28-29, 2014.
- 34 Ms. Tayyaba Noreen attended Lecture series on “*Cosmology*”, at University of the Punjab, Lahore on November 08-09, 2013.
- 35 Ms. Zakia Zainib attended Lecture series on “*Cosmology*” at University of the Punjab, Lahore on November 08-09, 2013.
- 36 Ms. Saira Nawaz attended Lecture series on “*Cosmology*” at University of the Punjab, Lahore on November 08-09, 2013.
- 37 Ms. Sehrish Iftikhar attended “*First National conference on Mathematical Sciences*” at Department of Mathematics, University of Malakand, Chakdara, Dir Lower, KPK, September 02-04, 2014.
- 38 Faculty members and M.Phil. / Ph.D. scholars participated “*Weekly Departmental Seminar Series*” held at Department of Mathematics, University of the Punjab, Lahore during September 01, 2013 to October 30, 2014.

Conferences, Seminars and Workshops, etc.

Research Journals

Punjab University Journal of Mathematics (PUJM, Category X) published 46(2) (2014) edition and 61 Journals have been exchanged in the different libraries worldwide.

Foreign Linkages

- i. 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.
- ii. School of Engineering, Manufacturing and Mechanical Engineering, University of Birmingham, UK.

Funding grants for R&D

- i. HEC granted scholarships for four Ph.D. Scholars.
- ii. DPCC granted (three for Ph.D student and three for M.Phil. student).
- iii. Research Project granted for the year 2013-2014 of amount Rs. 150000/- (each) to Dr. Daud Ahmad, Dr. Aziz Ullah Awan and Dr. Uzma Ahmad.



DEPARTMENT OF PHYSICS

R&D-An Overview

Research activities in the Department are going on in various areas including experimental and theoretical Physics in collaboration with other national institutions/ Organizations namely PINSTECH, INMOL, Shaikat Khanum Hospital, SUPARCO, Govt. College University, CSSP, Department of Meteorology and PCSIR. The main fields of research in theoretical Physics are: Quantum Field Theory, Conformal Field Theory, Condensed Matter Physics, Plasma and Nonlinear Physics. On the other hand, the experiment research includes Material Science, Solid State Physics, Nuclear Physics, Nuclear Medicine, Physics of Semiconductor Devices, Atmospheric Physics, Environmental Pollution & Climatology, and Quantum Wires / Quantum Dots (Nanotechnology) and estimation chemical contamination of drinking water. Thirty Eight (38) research papers have been published in National and Internal Research Journals by the faculty members in the last academic year and many are submitted.

○ **Projects:**

(i) Completed: 07

- Prof. DR. Muhammad Azhar Iqbal
- Dr. Hafiz Muhammad Rafique
- Dr. Aneeqa Bashir
- Dr. Usman Saleem
- Dr. Athar Javed
- Dr. Mahnood-ul Hassan (Jr)
- Dr. Muhammad Riaz

(ii) Under Process: 06

○ **Publications:**

- **M.A. Iqbal**, Ali, N (2014) Effect of air annealing on the band gap and optical properties of SnSbS thin film for solar cell application Material letters (IF-2.224).
- **M.A. Iqbal**, Ali, N (2014) Physical Properties of the Absorber Layer Sn₂Sb₂S₅ thin Films for photovoltaic Journal of current nano sciences 9 (IF 0.875)
- **M.A. Iqbal**, Ali, N, S.T. Hussnain , N. Ahmed Yaqoob Khan, David Lane (2014) Combinatorial Study of SnSbS thin films by X-Ray Diffraction and Photoconductivity Journal of Global Energy Issues 1 (IF 0.45)
- **M.A. Iqbal**, Ali, N (2014) Optoelectronic properties of the evaporated antimony tin sulphide thin films for solar cell applications Renewable Energy Eng. 55 (IF 2.989)
- **Dr. Hafiz Muhammad Rafique** (2014) H⁺, N⁺, and Ar⁺ ion irradiation induced structure changes of carbon nanostructures Carbon, **60**, 562 (IF 5.868)



- Dr. Hafiz Muhammad Rafique (2014) Elastomeric Ablative Nanocomposites Used in Hyperthermal Environments , Polymer Engineering & Science (IF 1.243)
- Dr. Hafiz Muhammad Rafique (2014) Effect for hydrogen, nitrogen, phosphorous, and argon ions irradiation on ZnO NWs, Journal of Nanoparticle Research, 15, 1467 (IF 2.175)
- Dr. Hafiz Muhammad Rafique (2014) Ablation, thermal stability/transport and mechanical investigations of modified nanokaolinite impregnated acrylonitrile butadiene rubber composites, *Journal of Composite Materials* (IF 0.936)
- Dr. Hafiz Muhammad Rafique (2014) 4-hydroxy-2H-1,2-benzothiazine-3-carbohydrazide 1,1-dioxide-oxalohydrazide (1:1): X-ray structure and DFT calculations, *Journal of Structural Chemistry* 54, 437 (IF 0.547)
- Dr. Hafiz Muhammad Rafique ,AttiaFalak (Co-author) Spatio-temporal analysis of groundwater regime within Rawalpindi Municipal Jurisdiction, Pakistan, Desalination and Water Treatment
- Dr. Hafiz Muhammad Rafique, Ramoona Shehzadi (Co-author) (2014) Appraisal of drinking water quality of tehsil Jampur, Pakistan Desalination and Water Treatment1 (8)

Muhammad Waseem Mumtaz, Muhammad Asam Raza, Ahmad Adnan, Hamid

- Mukhtar ,Irum Perveen, Hafiz Muhammad Rafique, Tahir Iqbal and Muhammad Hamayun (2014) Optimization of Chemical Kinetics for Base Catalyzed Transesterification of Eruca sativa Oil, Asian Journal of Chemistry, 25 (IF 0.253)
- Syed Amer Mahmood, Jahanzeb Qureshi, Sajid Rashid Ahmad, Javed Sami, Amer Masood and Hafiz Muhammad Rafique, (2014) Identification of Neotectonics using DEM-based Local Base-Level Approach in Pothowar Plateau, Pakistan Academy of Science 50
- Dr. Munazza Zulfiqar Ali (2013) Effective medium parameters for 1D photonic crystal containing single-negative material layers using the envelope function approach CHINESE OPTICS LETTERS11(4) (IF 0.968)
- Dr. Munazza Zulfiqar Ali , Miss Maryam Saeed (2013) Optical Tamm States at interfaces of different periodic media The Nucleus 50
- Dr. Athar Javed (2014) Effect of the $Ni_{81}Fe_{19}/Fe_{50}Co_{50}$ thickness on the magnetic properties of $Ni_{81}Fe_{19}/Fe_{50}Co_{50}$ bilayers Journal of Magnetism and Magnetic Materials 331 (IF 1.826)
- Dr. Athar Javed (2014) Mössbauer study of vacuum annealed $Fe_{100-x}Ga_x$ ($10 \leq x \leq 35$) thin films, Nukleonika 58, (IF 0.507)
- Y. Long, A. Javed, Z.-k Chen, X. Xiong, P. Xiao, (2014) Deposition rate, texture, and mechanical properties of SiC coatings produced by chemical vapor deposition at different temperatures Inter. J. Appl. Ceram. Technol. 10 (IF 1.153)
- C. Zhu, A. Javed, P. Li, G. Y. Liang, P. Xiao (2014) Study of the effect of laser treatment on the initial oxidation behaviour of Al-coated NiCrAlY bond-coat Surf. Interface Anal. 45 (IF 1.22)



- O.Caha, A. Dubroka, J. HUmlicek, H.Steiner, M.ul-Hassan, J.Sanchez Barriga, O.Reader, T.N. Stanislavchuk, A.A.Sirenko, G.Bauer and G. Sprinholz (2014) Growth, Structure and Electronics Properties of Epitaxial Bismuth Telluride Topological Insulator Films on BaF₂ (111) Substrates Crystal Growth and Design 13 (IF 4.689)
- **Dr. Muzaffir Bashir J.Kempf (2014)** Area Bound Dynamic Time Warping Based Fast and Accurate Person Authentication Using a Biometric Pen In Digital Signal Processing DSP Elsevier 23 (259) (IF 1.918)
- **Dr. Tayyaba Zafar (2014)** The ESO UVES advanced data products quasar sample – I. Dataset and new NHI measurements of damped absorbers” Astronomy and Astrophysics (A&A) In press (IF 5.1)
- Dr. Tayyaba Zafar (2014) The ESO UVES advanced data products quasar sample – II. Cosmological evolution of the neutral gas mass density” Astronomy and Astrophysics (A&A) In press (IF 5.1)
- Dr. Tayyaba Zafar (2014) Helium in Natal H II Regions: The Origin of the X-Ray Absorption in Gamma-Ray Burst Afterglows Astrophysical Journal (ApJ) 786, 23W (IF 6.7)
- Dr. Tayyaba Zafar (2014) The metals-to-dust ratio to very low metallicities using GRB and QSO absorbers; extremely rapid dust formation Astronomy and Astrophysics (A&A) Under review (IF 5.1)
- Dr. Tayyaba Zafar (2014) Evolution of dust content in galaxies probed by gamma-ray burst afterglows Monthly Notices of the Royal Astronomical Society (MNRAS) under review (IF 4.9)
- Dr. Tayyaba Zafar (2014) GRB 100219A with X-shooter abundances in a galaxy at z=4.7 Monthly Notices of the Royal Astronomical Society (MNRAS) 428, 3590T (IF 4.9)
- Dr. Tayyaba Zafar (2014) Absorption spectroscopy of the short GRB 130603B – Looking into the environment of a binary neutron star, Nature Under review (IF 31.7)
- Mrs. Farzana Tareen, Saira Riaz, Shahzad Naseem (2014) Structures, Optical and mechanical properties of Alumina thin films on Al₇₀₇₅ ICSSP, 13
- Mrs. Farzana Tareen, Saira Riaz, Shahzad Naseem (2014) Optical and structural properties of electro deposited alumina oxide at low temperature ANBRE 13
- Mrs. Farzana Tareen, Saira Riaz, Shahzad Naseem (2014) Synthesis and characterization of sol-gel deposited aluminum oxide at low temperature ANBRE 13
- Emiliano Di Gennaro¹, Umberto Scotti di Uccio, Carmela Aruta, Claudia Cantoni, Alessandro Gadaleta, Andrew R. Lupini, Davide Maccariello, Daniele Marré, Ilaria Pallecchi, Domenico Paparo, Paolo Perna, **Muhammad Riaz**, Fabio Miletto Granozio (2014) Persistent Photoconductivity in 2D Electron Gases at Different Oxide Interfaces Advanced Optical Materials 11(IF 14.829)



- **M. Yasir Rafique** Pan Li-Qin, Qurat-ul-ain Javed², M. Zubair Iqbal, Qiu Hong-Mei (, M. Hassan Farooq³, Guo Zhen-Gang and M. Tanveer (2014) *Growth of monodisperse nanospheres of $MnFe_2O_4$ with enhanced magnetic and optical properties* Chinese Physics B 22(IF 1.36)
- **M. Yasir Rafique;** Pan, Liqing; Iqbal, M. Zubair; Javed, Qurat-ul-ain; Qiu, Hongmei; Farooq, M. Hassan; Zhengang, Guo; (2014) Facile Synthesis, Structural and Magnetic Properties of Hierarchical Tree-Leaf Like FeCo Alloy Microstructures Nanoscience and nanotechnology Letter 5 (IF 0.808)
- M. Zubair Iqbal, Fengping Wang, **M. Yasir Rafique**, Shujjat Ali, M. Hassan Farooq, Mujtaba Ellahi (2014) Hydrothermal synthesis, characterization and hydrogen storage of SnS nanorods Material letter 106 (IF 2.224)
- M. Zubair; Wang, Fengping; **Rafique, M. Yasir;** Ud Din, Rafi; Butt, Faheem K.; Ali, Shujaat; Khan, M. Ammar; Javed, Qurat ul Ain; Tofeeq, Arbab (2014) Fabrication, Characterization and Hydrogen Sorption Properties of Stannous Oxide Nano-Flowers Science of Advance material 7 (IF 2.5)
- N.A. Noor, S.M. Alay-e-Abbas, Y. Saeed, S.M. Ghulam Abbas, A. Shaukat (2014) **Ab initio study of electronic structure and magnetic properties in ferromagnetic $Be_{1-x}Mn_xSe$ and $Be_{1-x}Mn_xTe$ alloys**Journal of Magnetism and Magnetic Materials 339 (IF 1.826)
- M. Sajjada,, H.X. Zhanga, N.A. Noorb, S.M. Alay-e-Abbasc, d, A. Shaukatd, Q. Mahmoodb (2014) Study of half-metallic ferromagnetism in V-doped CdTe alloys by using first-principles calculations Journal of Magnetism and Magnetic Materials 343 (IF 1.826)
- **Conferences, Seminars and Workshops, etc.**
Dr. Muzaffar Bashir, attended the conference on Physics Colloquium, Comsats University Lahore Pakistan, Nov 2014
- **Research Journals**
The following journals are received regularly:
 - (a) Scientific American
 - (b) Nature Physics
 - (c) Cern Courier
 - (d) Korian Physics Society
 - (e) Nuclear Science
 - (f) Nuclear Engineering & Technology
 - (g) Scientific Research published by University of the Punjab

RESEARCH COLLABORATION

- **Indigenous**
Higher Education Commission, Punjab University, Lahore, School of Physical Sciences, PU, Lahore, Lahore University of Management Sciences



○ **Foreign Linkages**

1. Department of Radiation Medicine, University of Kentucky, USA, Southside
2. Regional Medical Centre, Petersburg, VA, USA and Department of Electrical
3. Engineering and Computer Science, Michigan State University, USA.
4. International Centre for Theoretical Physics, (ICTP) Italy

○ **Funding grants for R&D**

Mostly teachers of the Department of Physics applied for research grants under Faculty Development Programme of PU, Lahore and they were awarded accordingly.

DEPARTMENT OF SPACE SCIENCE

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:

DR. SYED AMER MAHMOOD

Syed Amer Mahmood, H. Batool, Z. Waheed, A. Akhtar and A. Masood, " Investigation of Neotectonics along Hazara Kashmir Syntaxis through Remote Sensing and GIS Analysis" International Journal of Recent Development in Engineering and Technology (IJRDET), (ISSN 2347-6435, Volume 1, Issue 3, December, 2013.

S.A.Mahmood, Z. Waheed, H. Batool, S. Ghazi, S. Mirza, A.M. Akhtar, S.M.H. Raza and R.M.A. Khan. "Remote Sensing and Morphotectonic Analysis in Hazara Kashmir Syntaxis Using River Longitudinal Profiles" Geodynamics Research International Bulletin (GRIB) (Quarterly Journal), ISSN 2345-4997, 2(01), SN:04, (Special Issue on Saravan Earthquakes), (GRIB), (HEC Recognize "X"), April, 2014.

S.A.Mahmood, U. Alvi. "Remote Sensing Analysis of Parachinar Syntaxis through Stream Profile Analysis" Geodynamics Research International Bulletin (GRIB) (Quarterly Journal), ISSN 2345-4997 2(02), SN:06, P. X to XXXVIII, (HEC Recognize "X"), Summer 2014,

S.A. Mahmood, U. Alvi, J. Sami, J. Qureshi, A. Masood, Sahar Mirza and S.M.H Raza. "Active Tectonics Study Using Remote Sensing SRTM DEM: a Case Study: Parachinar Syntaxis – NW Pakistan" Geodynamics Research International Bulletin (GRIB) (Quarterly Journal) ISSN 2345-4997 1(02), pp 23-34, ISSN 2345-4997, (HEC Recognize "X"), February, 2014.

Jahanzeb Qureshi, Syed Amer Mahmood, Amer Masood and Shahid Ghazi. "Remote Sensing Study of Tectonic Geomorphology in Potwar Plateau" (*paper presented*) 3rd Annual International conference on Geological and Earth Sciences, (GOES 2014). Held on 22-23 September 2014 in Singapore.



JAVED SAMI

S.A. Mahmood, U. Alvi, J. Sami , J. Qureshi, **A. Masood** , Sahar Mirza , S.M.H Raza, Active Tectonics Study Using Remote Sensing SRTM DEM: a Case Study: Parachinar Syntaxis – NW Pakistan; *in Geodynamics Research International Bulletin*, ISSN 2345-4997, Vol (1)-No 02, pp 23-34, February, **2014**.

DR. SYEDA ADILA BATOOL

Anwar Jadoon, Syeda Adila Batool, Nawaz Chaudhry, 2014.” Assessment of factors affecting household solid waste generation”, *Journal of Material Cycles and Waste Management*, 16 (1), 73-81. (IF=0.568)

Sobia Munir, Syeda Adila Batool, Nawaz Chaudhry, 2014.” Characterization of Hospital waste in Lahore, Paksitan” *Chinese Medical Journal*, 127 (9), 1732-1736. (IF=0.901)

Ali, M., Tariq, S., Mahmood, K., Daud, K., Syeda Adila Batool., Haq, Z.2014. “A study of aerosol properties over Lahore (Pakistan) by using AERONET data”, *Asia-Pacific Journal of Atmospheric Sciences*, 50, 153-162. (IF= 0.87)

Zia-ul-Haq, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana. 2014 “A Study of Tropospheric NO₂ Variability over Pakistan using OMI Data” *Atmospheric Pollution Research*, 5, 709-720. (IF=1.011)

JAHANZEB QURESHI

S.A. Mahmood, U. Alvi, J. Sami , **J. Qureshi**, A. Masood , Sahar Mirza , S.M.H Raza, Active Tectonics Study Using Remote Sensing SRTM DEM: a Case Study: Parachinar Syntaxis – NW Pakistan; *in Geodynamics Research International Bulletin*, ISSN 2345-4997, Vol (1)-No 02, pp 23-34, February, 2014.

Jahanzeb Qureshi, Syed Amer Mahmood, Amer Masood and Shahid Ghazi, “Remote Sensing study of Tectonic Geomorphology in Potwar Plateau”, abstract accepted for publication in 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September 2014 in Singapore (**paper presented**)

Amer Masood, Syed Amer Mahmood, **Jahanzeb Qureshi** and Sadaf Sharif, “Appraisal of neotectonics in Gilgit Baltistan, Northern Pakistan : inferences from Remote Sensing and GIS”, abstract accepted for publication in 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September 2014 in Singapore.

SHAHID PARVEZ

Irfan Ashraf (GIS Lab, WWF-Pak), Urooj Saeed (GIS Lab, WWF-Pak), Naeem Shahzad (GIS Lab, WWF-Pak), Javed Gil (Punjab Forest Department), Shahid Parvez (Space Science, PU), Akram Raja (Survey of Pakistan), Book-chapter (co-author): “*Delineating Legal Forest Boundaries to Combat Illegal Forest Encroachments: A case study in Murree Forest Division, Pakistan*” published in the book titled “Forensic GIS: The Role of Geospatial Technologies for Investigating Crime and Providing Evidence”, *Geotechnologies and the Environment*, Volume 11, 2014, pp 263-286. ISBN: 978-94-017-8756-7, DOI: 10.1007/978-94-017-8757-4_13. Publisher: Springer.



Shahid Parvez (Space Science, PU), Prof Dr. Volker Coors (Hft Stuttgart, Germany), Prof Dr. Peter Schneider (Hft Stuttgart, Germany) “*Augmented Cultural Heritage - A Mobile Tourist Guide for Didyma (Turkey)*”, (29 Jan 2014), ISBN: 978-3-659-48332-5, Publisher: LAP Lambert Academic Publishing

ZIA UL HAQ

Zia ul-Haq, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana, 2014. A study of tropospheric NO₂ variability over Pakistan using OMI data. *Atmospheric Pollution Research*, Volume 5, Issue 4 (October 2014), Pages 709-720, doi: 10.5094/APR.2014.080, A publication of Turkish National Committee for Air Pollution Research and Control (TUNCAP), , ISSN 1309-1042, *Impact Factor* 1.227.

Muhammad Ali, Salman Tariq, Khalid Mahmood, Asim Daud, Adila Batool, and Zia-ul-Haq, 2014. A Study of Aerosol Properties over Lahore (Pakistan) by Using AERONET Data, *Asia-Pacific Journal of Atmospheric Sciences*, Volume 50, Issue 2 (February 2014), Pages 153-162, doi:10.1007/s13143-014-0004-y, A publication of The Korean Meteorological Society and Springer, ISSN 1976-7633, *Impact Factor* 0.780.

ASIM DAUD

Muhammad Ali, Salman Tariq, Mahmood K., Asim Daud, Adila Batool, and Zia-ul-Haq (2014). A Study of Aerosol Properties over Lahore (Pakistan) by Using AERONET Data. Accepted in *Asia-Pacific Journal of Atmosphere* (I.F. 0.780), 50 (2), 153-162.

Zia ul Haq, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda adila Batool, Asim Daud Rana (2014). A study of tropospheric NO₂ variability over Pakistan using OMI data. *Atmospheric Pollution Research* (I.F. 1.227),5, 709-720.

KHALID MAHMOOD

Mahmood K., S. Kanwal, S.R. Ali, A.H. Ali, T. Tahsin (2014). “Selection of interpolation for Groundwater observations in Lahore, Pakistan. *Pakistan journal of Scientific and Industrial Research* (HEC Recognize "X"), 57(3), 154-166.

Zia ulHaq, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana (2014). A study of tropospheric NO₂ variability over Pakistan using OMI data. *Atmospheric Pollution Research* (I.F. 1.227), 5, 709–720.

SALMAN TARIQ

Zia ul-Haq, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana, 2014. A study of tropospheric NO₂ variability over Pakistan using OMI data. *Atmospheric Pollution Research*, Volume 5, Issue 4 (October 2014), Pages 709-720, doi: 10.5094/APR.2014.080, A publication of Turkish National Committee for Air Pollution Research and Control (TUNCAP), , ISSN 1309-1042, *Impact Factor* 1.227.

Muhammad Ali, Salman Tariq, Khalid Mahmood, Asim Daud, Adila Batool, and Zia-ul-Haq, 2014. A Study of Aerosol Properties over Lahore (Pakistan) by Using AERONET Data, *Asia-Pacific Journal of*



Atmospheric Sciences, Volume 50, Issue 2 (February 2014), Pages 153-162, doi:10.1007/s13143-014-0004-y, A publication of The Korean Meteorological Society and Springer, ISSN 1976-7633, Impact Factor 0.780.

AMER MASUD

S.A. Mahmood, U. Alvi, J. Sami, J. Qureshi, **A. Masood**, Sahar Mirza, S.M.H Raza, Active Tectonics Study Using Remote Sensing SRTM DEM: a Case Study: Parachinar Syntaxis – NW Pakistan; in *Geodynamics Research International Bulletin*, ISSN 2345-4997, Vol (1)-No 02, pp 23-34, February, 2014.

Amer Masood, Syed Amer Mahmood, Jahanzeb Qureshi and Sadaf Sharif, "Appraisal of neotectonics in Gilgit Baltistan, Northern Pakistan : inferences from Remote Sensing and GIS", abstract accepted for publication in 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September 2014 in Singapore.

Jahanzeb Qureshi, Syed Amer Mahmood, **Amer Masood** and Shahid Ghazi, "Remote Sensing study of Tectonic Geomorphology in Potwar Plateau", abstract accepted for publication in 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September 2014 in Singapore (*paper presented*)

Conferences, Seminars and Workshops, etc.

2 workshops were arranged for BS, M.Sc and M.Phil students.

INSTITUTE OF CHEMISTRY

Institute of Chemistry is one of the most active institute of University of the Punjab regarding its contribution toward research and development. The faculty members of the institute are actively involved in the research and development and present their work at various international and national conferences, seminars and workshops. Around 50 publications have been published in the above mentioned time period.

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

PCSIR, Ferozpur Road, Lahore.

HEJ, Karachi.

PINSTECH, Islamabad.

NIBJI, Faisalabad.

ANMOL, Lahore.

INSTITUTE OF GEOLOGY

Research & Development: An Overview

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.

Institute of Geology has produced 29 graduates of B.S. Applied Geology, 25 M.Phil. Applied Geology and Geomatics degree programs and 01 PhD in the discipline of Geology during the academic year 2013-2014. Moreover, Institute of Geology has upgraded physical infrastructure and constructed a Seminar Hall, upgraded the Geological Museum and its laboratory set up.

Completed

During the report period (2013-2014) following research projects have been completed by the faculty members at the Institute.

| Sr. No. | Projects Title | Investigator | Amount (Rs. million) | Sponsoring Agency | Duration (year) |
|---------|---|------------------------------|----------------------|----------------------------------|-----------------|
| 1. | Sedimentology of the Early Permian Dandot Formation, Central Salt Range, Pakistan. | Prof. Dr. Shahid Ghazi | 0.15 | University of the Punjab, Lahore | 01 |
| 2. | Application of Physio-chemical techniques in combination with advanced oxidation process to treat the slaughter house wastewater. | Prof. Dr. Nasir Ahmad | 0.25 | University of the Punjab, Lahore | 01 |
| 3. | Application of Geospatial Techniques for the Qualitative analysis of Groundwater of Kasur City Punjab. | Prof. Dr. Sajid Rashid Ahmad | 0.15 | University of the Punjab, Lahore | 01 |
| 4. | Biostratigraphy of the Lower Eocene Margala Hill Limestone of Kaalachitta area, Northern Pakistan. | Dr. Shahid Jamil Sameeni | 0.20 | University of the Punjab, Lahore | 01 |
| 5. | Sedimentology and Biostratigraphy of the Margalla Hill Limestone, Margalla Hills, Northern Pakistan. | Dr. Kamran Mirza | 0.15 | University of the Punjab, Lahore | 01 |
| 6. | Potential of Gas Hydrates in Pakistan their seismic characterization | Mr. Zia ud Din | 0.15 | University of the Punjab, Lahore | 01 |
| 7. | Geotechnical evaluation of landslides and inventory of remedial works along Islamabad-Murree Expressway, Pakistan | Dr. Sohail Akram | 0.15 | University of the Punjab, Lahore | 01 |
| 8. | Development of Shale Gas Potential in Lower Cretaceous Sembar and Goru Formation in | Dr. Pervez Khalid | 0.15 | University of the Punjab, Lahore | 01 |



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|-----|---|------------------------|-------|----------------------------------|----|
| | Middle Indus Basin, Pakistan – Applying Rock Physics Modeling | | | | |
| 9. | Physico-Chemical Studies of Groundwater in Sialkot City, Pakistan | Mr. Muhammad Sanaullah | 0.125 | University of the Punjab, Lahore | 01 |
| 10. | Biostratigraphy of the Paleocene Patala Formation of Jabri Area, Northern Pakistan. | Mr. Adnan Abdul Karim | 0.125 | University of the Punjab, Lahore | 01 |
| 11. | Identification and Evaluation of Stream Sediments for Construction Materials of Central Salt Range. | Rana Ammad Bin Sadiq | 0.125 | University of the Punjab, Lahore | 01 |

Newly launched

During the report period (2014-2015) following research projects have been initiated by the faculty members at the Institute.

| Sr. No. | Projects Title | Investigator | Amount (Rs. million) | Sponsoring Agency | Duration (year) |
|---------|---|------------------------------|----------------------|----------------------------------|-----------------|
| 1. | Sedimentary Geology of the Early Permian Tobra Formation, Central Salt Range, Pakistan | Prof. Dr. Shahid Ghazi | 0.25 | University of the Punjab, Lahore | 01 |
| 2. | Geospatial and Multi-Criteria Approaches for the Determination of Urban Parks in Sheikhpura City. | Prof. Dr. Sajid Rashid Ahmad | 0.25 | University of the Punjab, Lahore | 01 |
| 3. | Biostratigraphy of the Eocene Kuldana Formation of Potowar Area, Northern Pakistan | Dr. Shahid Jamil Sameeni | 0.200 | University of the Punjab, Lahore | 01 |
| 4. | Sedimentology of Lockhart Formation, Hazara-Kashmir Basin, NW Himalaya Pakistan | Dr. Naveed Ahsan | 0.200 | University of the Punjab, Lahore | 01 |
| 5. | Sedimentology and Biostratigraphy of the Margalla Hill Limestone, Margalla Hills, Northern Pakistan | Dr. Kamran Mirza | 0.150 | Pakistan Science Foundation | 03 |
| 6. | Petrological Implications of Xenoliths in Mansehra Granite, Less. | Dr. Mustansar Naeem | 0.150 | University of the Punjab, Lahore | 01 |
| 7. | Rock Physics and Seismic attribute for Assessment of Shale Gase | Dr. Pervez Khalid | 0.150 | University of the Punjab, Lahore | 01 |
| 8. | Hydrogeological and Geophysical Investigation to Characterize Groundwater Potential in Alluvial aquifer of Fateh Jang, Potwar Plateau, Pakistan | Mr. Zia ud Din | 0.150 | University of the Punjab, Lahore | 01 |
| 9. | Stability Assessment of Dewal Landslide along Murree-Muzaffarabad Road, Pakistan | Dr. Sohail Akram | 0.150 | University of the Punjab, Lahore | 01 |
| 10. | Sedimentology of the Datta Formation with Special Emphasis on Jurassic From Salt Range, Pakistan | Mr. Shahid Ali | 0.125 | University of the Punjab, Lahore | 01 |
| 11. | Biostratigraphy of the Paleocene Patala Formation of Jabri Area, Hazara, Northern Pakistan. | Mr. Adnan Abdul Karim | 0.125 | University of the Punjab, Lahore | 01 |



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|-----|--|------------------------|-------|----------------------------------|----|
| 12. | Chemical Framework of Sakesar Limestone, Central Salt Range, Pakistan | Ms. Mehwish Akram | 01.25 | University of the Punjab, Lahore | 01 |
| 13. | Landslide Susceptibility and Hazard Zonation Mapping of Kohala-Muzaffarabad Road, Pakistan. | Mr. Salman Farooq | 01.25 | University of the Punjab, Lahore | 01 |
| 14. | Evaluation of Jhelum River Aggregate as a Suitable Construction Material for Normal Weight concrete. | Mr. Muhammad Sanaullah | 01.25 | University of the Punjab, Lahore | |

Following research papers have been published by the faculty members during the report period.

Prof. Dr. Shahid Ghazi

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|--|------------------|------------|------|
| 1. | Khalid, P., Din, Z.U. and Naeem, M. | 2014 | Effect of Capillary Pressure on Seismic Properties of Rocks Saturated with Bubbly Fluids | Science International | HEC Recog. Z-Cat | 26 | |
| 2. | ArmanJafarian, Ali, Adnan, Uma Kant Shukla, Markus, Wilmsen& Y. K. Sohn | 2014 | Palaeoenvironment and provenance of the Early Eocene arenaceous sequence of Neyshaboor, Binalud region, Iran | Arabian Journal of Geosciences | 1.152 | 7 | |
| 3. | T. Hanif and Z. Sajid | 2014 | Carbon 13 and Oxygen 18 isotope record of the Early Eocene Nammal Formation, Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(3) | |
| 4. | A. Ali, T. Hanif, S. Sharif, Z. Sajid and T. Aziz | 2014 | Microfacies and depositional setting of the Early Eocene ChorGali Formation, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(2) | |
| 5. | M. Naeem, S. Sharif, T. Hanif, T. Aziz, J. Sami and Z. Sajid | 2014 | Micropalaeontological analysis of the Early Eocene Sakesar Limestone, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(4) | |
| 6. | S.A. Mamood, Z. Waheed, H. Batool, S. Mirza, A.M. Akhtar, S.M.H. Raza and R.M.A. Khan | 2014 | Remote Sensing and Morphotectonic Analysis in Hazara Kashmir Syntaxis Using River Longitudinal Profiles | Geodynamics Research International Bulletin | NA | 2 (1) | |
| 7. | Pervaiz Khalid, Aftab Ahmed Butt, Sadaf Sharif and Tanzila Hanif | 2014 | Sedimentary Facies and depositional environment of the Lower Eocene shallow shelf carbonate deposit, the Sakesar Limestone, Salt Range, Pakistan | 3 rd Annual International Conference on Geological and Earth Sciences (GEOS 2014) | | | |
| 8. | Jahanzeb Qureshi, Syed Amer Mahmood and Amer Masood | 2014 | Remote Sensing Study of Tectonic Geomorphology in Potwar Plateau | 3 rd Annual International Conference on Geological and | | | |



| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|--|---------------|------------|------|
| | | | | Earth Sciences (GEOS 2014) | | | |
| 9. | Pervaiz Khalid, QamarYasin and Shahzada Khurram | 2014 | Assessment of Seismic Hazard of the Kalam-Ashirt Dam, Swat, Pakistan Seismic hazard analysis of Kalam-Ashirt Dam, Pakistan | 3 rd Annual International Conference on Geological and Earth Sciences (GEOS 2014) | | | |
| 10. | Muhammad HaroonAfzal, Hassan, and Pervez Khalid | 2014 | Rock Physics modeling to quantify geophysical characteristics of shale gas in Lower Cretaceous southern Indus basin Pakistan. | ATC-SPE 2014 Islamabad | | | |
| 11. | Khalid P. and Bajwa A.A. | 2014 | Focal Mechanisms Computation and Seismicity Distribution of Major Earthquakes in Lesser and Central Himalaya. Invited as Guest Speaker | International Conference on Earth Science Pakistan 2014", Baragali | | | |

Prof. Dr. Nasir Ahmad

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|------------------------------|------|---|------------------------------|---------------|------------|------|
| 1. | Alam, K. | 2014 | Determination of aquifer geometry through geophysical methods: a case study from Quetta valley, Pakistan. | ActaGeophysica | 1.365 | 62(1) | |
| 2. | Arooj, F. and Shaikh, I.A. | 2014 | Application of Ozone in Cotton bleaching with multiple reuse of a water bath. | Textile Research Journal | 1.332 | 84(05) | |
| 3. | Arooj, F. and Chaudhry, M.N. | 2014 | A pilot scale application of ozone to bleach raw cotton fabric using various additives. | Ozone: Science & Engineering | 0.954 | Accepted | |

Prof. Dr. Sajid Rashid Ahmad

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---------------------------|------|---|--|---------------|------------------------|------|
| 1. | S. Khushi and M.A. Butt | 2014 | GIS based Real time municipality management system (RTMMS) | International Journal of Scientific & Engineering Research | 1.4 | 05(1): | |
| 2. | S.F. Raza, and M.S. Ahsan | 2014 | Rapid Assessment of a Flood Affected Population through a Spatial Data Model" | Journal: Journal of Flood Risk Management | | DOI:10.1111/jfr3.12134 | |

**Dr. Shahid Jamil Sameeni**

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|----------------------------|-------------------|------------|------|
| 1. | Naz, H., Khan, S.A., Usmani, P.A. and Solangi, I.H. | 2014 | Lutetian Planktonic Zonation of the Tyon Formation around Laki Range, Lower Basin, Pakistan | Science International | HEC Recog. Z-Cat. | 26(01) | |
| 3. | Naz, H., Lashari, R., Usmani, P.A., and Solangi, I.H. | 2014 | Milliolidea of Tyon Formation, KambuJabal, Lower Indus Basin, Pakistan | Science International | HEC Recog. Z-Cat. | 26(02) | |
| 4. | Rabia, I., Hajra, S., Haneef, M. and Naz, H. | 2014 | Biostratigraphy of Patala Formation, Makerwal area, Surghar Range, Northern Pakistan. | Science International | HEC Recog. Z-Cat. | 26(02) | |
| 5. | Ahsan, N., Armaghan, F., Mehmood, T., and Iqbal, Z. | 2014 | 3D Modeling of Subsurface Stratigraphy and Structural Evolution of Balkasar Area, Eastern Potwar, Pakistan | Journal of Hydrocarbon | HEC Recog. Z-Cat. | 22 & 23 | |

Dr. Naveed Ahsan

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|----------------------------|-------------------|------------|------|
| 1. | Sameeni, S.J., Armaghan, F., Mehmood, T., and Iqbal, Z. | 2014 | 3D Modeling of Subsurface Stratigraphy and Structural Evolution of Balkasar Area, Eastern Potwar, Pakistan | Journal of Hydrocarbon | HEC Recog. Y-Cat. | 22 & 23 | |

Dr. Mustansar Naeem

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|------------------------------------|------|---|------------------------------|---------------|------------|------|
| 1. | Khalid, P., Ullah M.S., Din Z.U. | 2014 | Physio-mechanical and Aggregate Properties of Limestones from Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 2. | Khalid, P., Din Z.U. and Yasin Q. | 2014 | On seismic monitoring of CO ₂ leakage from geological storages and Contamination of fresh water aquifer | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 3. | Khalid, P. and Anwar A.W. | 2014 | Mechanical properties and petrographic characteristics of Margala Hill Limestone and Lockhart Limestone of Rumli area, Islamabad Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(4) | |
| 4. | Ahmed N., Khan K.A. and Khalid, P. | 2014 | A modeling study of AVO-derived attributes to differentiate reservoir facies from non-reservoirs facies and fluid discrimination in Penobscot area, Nova Scotia | Geoscience Journal | 0.519 | Online | |
| 5. | Khalid, P., Din | 2014 | Effect of Capillary Pressure | Science | HEC | 26 | |



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|----|--|------|---|--|-------------------|----|--|
| | Z.U., Ghazi S. | | on Seismic Properties of Rocks Saturated with Bubbly Fluids | International | Recog. Z-Cat | | |
| 6. | Khalid, P. Anwar, W.A. | 2014 | Construction materials prospects of granitic and associated rock of Mansehra arc, NW Himalaya, Pakistan | ActaGeodaetica et Geophysica | 0.394 | 50 | |
| 7. | Ghazi, S., Khalid, P., and Aziz, M.T. | 2014 | Petroleum Play Analysis of the Jurassic Sequence Meyal Field, Potwar Basin, Pakistan | Journal of Geological Society of India | 0.513 | 83 | |
| 8. | Khalid, P., Afzal, M.H., Din, Z.U. and Yasin, Q. | 2014 | Petroleum Play Analysis of Cretaceous Sequence, Punjab Plat form Central Indus Basin, Pakistan | Science International | HEC Recog. Z-Cat. | 26 | |

Mr. Zia ud Din

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---------------------------------------|------|--|------------------------------|-------------------|------------|------|
| 1. | Khalid, P., Ullah, M.S. and Din, Z.U. | 2014 | Physio-mechanical and Aggregate Properties of Limestones from Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 2. | Khalid, P., Din, Z.U. and Yasin, Q. | 2014 | On seismic monitoring of CO2 leakage from geological storages and Contamination of fresh water aquifer | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 3. | Khalid, P., Din, Z.U. and Ghazi, S. | 2014 | Effect of Capillary Pressure on Seismic Properties of Rocks Saturated with Bubbly Fluids | Science International | HEC Recog. Z-Cat. | 26 | |

Dr. M. Sohail Akram

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|--|------|--|--|-------------------|------------|--------------|
| 1. | I. Ali, S. Akram&K.Mirza. | 2014 | Lineament Study of Kandiah Valley, Kohistan District, NW Pakistan | The Nucleus | HEC Recog. Y-Cat. | 52(4) | |
| 2. | Kamran Mirza, ShahidJamilS ameeni, SohailAkram and *AamirYasin | 2014 | Nummulites from the Kohat Formation, Northern Kohat Basin, Himalayan Fold and Thrust Belt, Northern Pakistan | Science International | HEC Recog. Z-Cat. | 26(5), | 3039 - 3043, |
| 3. | Akram. S, Azhar. M.U, Farooq. S | 2014 | Prediction of Uniaxial Compressive Strength (UCS) of Sakesar Limestone in Salt Range -Pakistan by Indirect Methods | International Journal of Advanced Information Science and Technology IJAIST-22 | | | |
| 4. | M. S. Akram | 2014 | Rock Characterization and | International | | | |



| | | | | | | | |
|----|--|------|---|---|--|--|--|
| | | | Empirical Design of Support for a Hydropower Tunnel in Shangla, KPK, Pakistan | Conference on Earth Science Pakistan 2014 | | | |
| 5. | SohailAkram, M. UsmanAzhar, Salman Farooq | 2014 | Prediction of Uniaxial Compressive Strength (UCS) of Sakesar Limestone in Salt Range - Pakistan by Indirect Methods | International Conference on Earth Science Pakistan 2014 | | | |
| 6. | SohailAkram, Salman Farooq | 2014 | Evaluation of Rock Cut Slope for Sheraton Hotel in Bahria Golf City, Islamabad. | International Conference on Earth Science Pakistan 2014 | | | |

Dr. Pervez Khalid

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|---|---------------|------------|------|
| 1. | Broseta D., Nichita D.V., Blanco J. | 2014 | A modified rock physics model for analysis of seismic signatures of low gas-saturated rocks | Arabian Journal of Geosciences | 1.152 | 7(8) | |
| 2. | Qayyum F., Yasin Q. | 2014 | Data Driven Sequence Stratigraphy of the Cretaceous Depositional System, Punjab Platform, Pakistan | Surveys in Geophysics | 5.112 | 35(4) | |
| 3. | Farid A., JadoonK.Z., Jouini M.S. | 2014 | The depositional setting of the late Quaternary sedimentary fill in southern Bannu basin, northwest Himalayan fold and thrust belt, Pakistan | Environmental Monitoring and Assessment | 1.679 | 186(10) | |
| 4. | Naeem M., Ullah M.S., Din Z.U. | 2014 | Physio-mechanical and Aggregate Properties of Limestones from Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 1. | Naeem M., Din Z.U., Yasin Q. | 2014 | On seismic monitoring of CO ₂ leakage from geological storages and Contamination of fresh water aquifer | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 2. | Naeem M., Anwar A.W. | 2014 | Mechanical properties and petrographic characteristics of Margala Hill Limestone and Lockhart Limestone of Rumli area, Islamabad Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(4) | |
| 3. | | 2014 | Thermoelastic relaxation and its effects on the compressibility of pore fluid and P-wave velocities | Arabian Journal of Geosciences | 1.152 | 8(12) | |
| 4. | Ahmed N., Khan K.A., Naeem M. | 2014 | A modeling study of AVO-derived attributes to differentiate reservoir facies from non-reservoirs facies and fluid discrimination in | Geoscience Journal | 0.519 | Online | |



| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|---|------|--|--|------------------|------------|------|
| | | | Penobscot area, Nova Scotia | | | | |
| 5. | Neem M., Din Z.U., Ghazi S. | 2014 | Effect of Capillary Pressure on Seismic Properties of Rocks Saturated with Bubbly Fluids | Science International | HEC Recog. Z-Cat | 26 | |
| 6. | Bajwa A. A., Ghazi S. | 2014 | Focal mechanisms computation and seismic distribution of major earthquakes in lesser and central Himalaya | Journal of Himalayan Earth Sciences | HEC Recog. Y-Cat | | |
| 7. | Farid F. | 2014 | The depositional setting of the late Quaternary sedimentary fill in an intermontane basin, Northwest Himalayan fold and thrust belt, Pakistan | Journal of Himalayan Earth Sciences | HEC Recog. Y-Cat | | |
| 8. | Ghazi S., Butt A. A., Sharif S., Hanif T. | 2014 | Sedimentary Facies and depositional environment of the Lower Eocene shallow shelf carbonate deposit, the Sakesar Limestone, Salt Range, Pakistan | 3rd Annual International Conference, Geological & Earth Sciences (GEOS 2014) | -- | -- | |
| 9. | Ghazi S., Yasin Q., Khuram S. | 2014 | Assessment of Seismic Hazard of the Kalam-Ashrit Dam, Swat, Pakistan Seismic hazard analysis of Kalam-Ashrit Dam, Pakistan | 3rd Annual International Conference, Geological & Earth Sciences (GEOS 2014) | -- | -- | |

Mr. Muhammad Sanullah

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|-------------------------------------|------|---|--|---------------|------------|------|
| 1. | Naeem, N., Khalid, P. and Din, Z.U. | 2014 | Physio-mechanical and Aggregate Properties of Limestones from Pakistan | ActaGeodaetica et Geophysica | 0.394 | 49(3) | |
| 2. | Rehman, H.U. and Bashir, W. | 2014 | Suitability Studies of Kirana Hills Aggregate as Sub-Base Material at Lahore Ring Road, NORTHERN Phase, Pakistan. | 3rd Annual International Conference, Geological & Earth Sciences (GEOS 2014) | -- | -- | |
| 3. | Malik, M.A. | 2014 | Relative Impact of Land Use Intensity on Water Quality Degradation in the Northern Districts of KPK, Pakistan. | 3 rd Annual International Conference (GEOS 2014) Singapore, September 22-23, 2014 | -- | -- | |

**Mr. Salman Farooq**

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|--------------------------|------|---|--|---------------|------------|------|
| 1. | Akram. S, Azhar. M.U. | 2014 | Prediction of Uniaxial Compressive Strength (UCS) of Sakesar Limestone in Salt Range - Pakistan by Indirect Methods | International Journal of Advanced Information Science and Technology IJAIST-22 | | | |

Zulqarnain Sajid

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|--|------|---|-----------------------------|------------------|------------|------|
| 1. | Ghazi, S. and T. Hanif | 2014 | Carbon 13 and Oxygen 18 isotope record of the Early Eocene Nammal Formation, Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(3) | |
| 2. | Ghazi, S., A. Ali, T. Hanif, S. Sharif, and T. Aziz | 2014 | Microfacies and depositional setting of the Early Eocene ChorGali Formation, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(2) | |
| 3. | Ghazi, S., M. Naeem, S. Sharif, T. Hanif, T. Aziz, and J. Sami | 2014 | Micropalaeontological analysis of the Early Eocene Sakesar Limestone, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(4) | |

Tanzila Hanif

| Sr. No. | Co-Author | Year | Title of Paper | Name of Publishing Journal | Impact Factor | Vol. / No. | Page |
|---------|--|------|--|--|------------------|------------|------|
| 1. | S. Ghazi, and Z. Sajid | 2014 | Carbon 13 and Oxygen 18 isotope record of the Early Eocene Nammal Formation, Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(3) | |
| 2. | S. Ghazi, A. Ali, S. Sharif, Z. Sajid and T. Aziz | 2014 | Microfacies and depositional setting of the Early Eocene ChorGali Formation, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(2) | |
| 3. | S. Ghazi, M. Naeem, S. Sharif, T. Aziz, J. Sami and Z. Sajid | 2014 | Micropalaeontological analysis of the Early Eocene Sakesar Limestone, Central Salt Range, Pakistan | Pakistan journal of Science | HEC Recog. Y-Cat | 66(4) | |
| 4. | S. Ghazi, Pervaiz Khalid, Aftab Ahmed Butt, and Sadaf Sharif | 2014 | Sedimentary Facies and depositional environment of the Lower Eocene shallow shelf carbonate deposit, the Sakesar Limestone, Salt Range, Pakistan | 3 rd Annual International Conference on Geological and Earth Sciences (GEOS 2014) | | | |



Conferences, Seminars and Workshops, etc.

Organized:

Institute of Geology has organized following seminars and workshops during the academic year 2013-2014

- 4-Day National Training Field Excursion on “Tectonic and Structural Attributes of Zaluch Nala and Chichali Gorge, Salt Ranges-Pakistan from 27 to 30th November 2014.
- 03-Day National Short Course on “Global Tectonics and Pakistan” from 26th to 28th August 2014.
- 05-Day National Training Workshop on “Salt Tectonics of the Cis-Indus Salt Ranges-Pakistan” from 16th to 20th April 2014.
- A Technical Tal on “Hydro-Power in Pakistan” held on October 30, 2014.

Participated:

- Prof. Dr. Shahid Ghazi, Dr. Pervez Khalid, Mr. Muhammad Sanaullah participated and presented papers in the 3rd International Conference “Geological and Earth Sciences” GEOS-2014, held at Singapore from 22-23 September, 2014.
- Prof. Dr. Shahid Ghazi and Dr. Naveed Ahsan, Dr. Pervez Khalid participated in PAPG-SPE Annual Technical Conference on “*Energy Challenges of Pakistan and E&P Strategies*” held at Islamabad from November 25-26, 2014.
- Dr. Naveed Ahsan participated in PAPG-SPE-Pakistan Annual Technical Symposium on “*Hydrocarbon Potentials Kashmir Basin*” held at Muzaffarabad, AJK from June 20-22, 2014.
- Prof. Dr. Shahid Ghazi, Dr. Sohail Akram, Dr. Pervez Khalid and Mr. Salman Farooq participated and presented papers in the International Conference on Earth Sciences.

Research Journals

Institute of Geology publishes an annual research journal “The Geological Bulletin of the Punjab University” up-coming vol. 46 & 47 is under printing process.

Research Collaboration

Indigenous

- Research collaboration with Pakistan Association of Petroleum Geologists (PAPG).
- Research collaboration with Oil & Gas Training Institute (OGTI) and Oil & Gas Development Corporation (OGDCL), Islamabad.
- Research Collaboration with Pakistan Petroleum Limited(PPL), Karachi

Foreign Linkages

- Linkages with Seismic Micro Technology Inc. Katy Freeway, Houston Texas, USA.
- Hydrological Institute, Sweden
- M/S Thies, Germany

**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.

| Sr No | Projects Title | Investigator | Amount (Rs. Million) | Sponsoring Agency |
|-------|---|------------------------|----------------------|-----------------------------|
| 1. | Sedimentological Studies of the Lower Eocene Sakesar Limestone Salt Range Pakistan. | Prof. Dr. Shahid Ghazi | | Pakistan Science Foundation |

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY**R&D-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:

- 1) Computer Vision
- 2) Robotics
- 3) Parallel and Distributed Computing
- 4) Open Source Software Development
- 5) Artificial Intelligence Lab.

The above mentioned labs are being used for conducting research, by the graduate students.

Publications

| Sr. No. | Name of Author | Title of Paper / Article |
|---------|---|---|
| 1. | Ather Ashraf, Muhammad Akram, and Mansoor Sarwar | Fuzzy Decision Support System for Fertilizer Neural Computing and Applications 2014 IF = 1.168 |
| 2. | Muhammad Akram, Ather Ashraf, and Mansoor Sarwar | Novel Applications of Intuitionistic Fuzzy Digraphs in Decision Support Systems The Scientific World Journal, 2014 IF = 1.73 |
| 3. | Ather Ashraf, Muhammad Akram, and Mansoor Sarwar | Type II Fuzzy Decision Support System for Fertilizer The Scientific World Journal 2014 IF = 1.73 |
| 4. | Sidra Aslam and Mansoor Sarwar | Handling Slowly Changing Dimensions in Data Warehouses Journal of Systems and Software (JSS) 2014 IF = 1.135 |
| 5. | S. A. Qureshi, I. Masood, M. Hashmi, S. Hanninen, M.Sarwar, A. Jameel | Noise Reduction of Electrocardiographic Signals using Wavelet Transforms Elektronikair Elektrotechnika (Electronics and Electrical Engineering) 2014 IF = 0.411 Vol. 20 |
| 6. | Sidra Aslam and Mansoor Sarwar | Temporal and multi-versioned XML documents: A survey" Information Processing and Management 2014 IF = 0.817 Vol. 50 |



| | | |
|-----|--|--|
| 7. | Hoogendoorn, M., Jaffry, S.W., Maanen, P.P. van, and Treur, J. | Design and Validation of a Relative Trust Model, Knowledge-Based System, Elsevier B. V. 2013, to appear. Impact Factor [4.10]. |
| 8. | Hoogendoorn, M., Jaffry, S.W., Maanen, P.P. van, and Treur, J. | Modelling Biased Human Trust Dynamics, Web Intelligence and Agent Systems: An International Journal (WIAS), vol. 11, no. 1, IOS Press, 2013, pp. 1-21 |
| 9. | Jaffry, S.W., and Treur, J. | Agent-Based and Population-Based Modelling of Trust Dynamics, Transactions on Computational Collective Intelligence (TCCI), vol. 9, Springer Verlag, 2013, pp 124-15 |
| 10. | Shoaib, H., Jaffry, S. W. | A Survey of Augmented Reality. In: Proceedings of International Conference on Virtual and Augmented Reality (ICVAR 2015), January, 8-9, 2015, Singapore, to appear |
| 11. | Haris, M., Jaffry, S. W. | An Object Based Conceptual Framework for Location Based Social Networking. In: Proceedings of International Workshop on Location-Based Social Networks (LBSN'13) associated with the 21 st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, November 5-8, 2013, Orlando, Florida, USA, pp. 15-23 |
| 12. | Saeed, A., R., Jaffry, S. W. | Information Mining from Islamic Scriptures. In: Proceedings of The 4 th Workshop on South and Southeast Asian Natural Language Processing (WSSANLP) associated with the International Joint Conference on Natural Language Processing (IJCNLP), Nagoya, Japan, October 14th –18th, 2013. Asian Federation of Natural Language Processing, 2013, pp. 66-71. |
| 13. | Latif, I., Jaffry, S. W. | A Survey on Trust Evaluation Mechanisms for Wikipedia. In: Proceedings of the International Workshop on Social Natural Language Processing (SocialNLP) in conjunction with 6 th International Joint Conference on Natural Language Processing (IJCNLP), Nagoya, Japan, October 14th – 18th, 2013. Asian Federation of Natural Language Processing, 2013, pp. 36-42. |
| 14. | Mansoor, F., Rohail, M., Jaffry S. W. | Empirical Validation for Human Decision Making, In: Proceedings of the Seventh International Workshop on Human Aspects in Ambient Intelligence in International Conference on Intelligent Agent Technology (HAI-IAT'13), IEEE Computer Society Press, 2013, pp. 187- 190. |

**CONFERENCES, SEMINARS AND WORKSHOPS, ETC.**

| Sr. No. | Author | Title |
|---------|---|--|
| 1. | Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto | A panoramic 3D video coding with directional depth aided inpainting," in <i>Proc. Image Processing (ICIP), 2014 21st IEEE International Conference on</i> , Oct. 2014, pp. 3233-3237 |
| 2. | Muhammad Shahid Farid, Maurizio Lucenteforte, Marco Grangetto | "Edge enhancement of depth based rendered images," in <i>Proc. Image Processing (ICIP), 2014 21st IEEE International Conference on</i> , Oct. 2014, pp. 5452-5456 |
| 3. | Jaffry, S. W. | Presented, Tutorial on "Computational Modeling", December 17 th , 2014 at Serina Hotel, Islamabad, Pakistan. |
| 4. | Jaffry, S. W. | Attended, Tutorial on "Complex Network Design From Interaction Data in Complex Systems", December 18 th , 2014 at Serina Hotel, Islamabad, Pakistan |
| 5. | Jaffry, S. W. | Participated, 12th International Conference on Frontiers of Information Technology, (FIT 2014), December 16 th – 18 th , 2014 at Serina Hotel, Islamabad, Pakistan |
| 6. | Jaffry, S. W. | Attended, Business Analytics Summit, Punjab Information Technology Board, January 29 th , 2014, Arfa Software Technology Park, Lahore, Punjab |
| 7. | Jaffry, S. W. | Attended, Science Tour 2014: Living in a Digital World Artificial- Intelligence and Visual/Multimodal Computing, January 19 th – 25 th , 2014 by the German Academic Exchange Service (DAAD) at South of Germany |
| 8. | Jaffry, S. W. | Attended, 2nd Computational Science Conference, October 20 th – 25 th , 2013 at International Islamic University, Islamabad, Pakistan |
| 9. | Jaffry, S. W. | Attended, International workshop on Visualization in Science and Technology Education, ARTEMiS Visualization Group Massachusetts Institute of Technology, September 14 th – 18 th , 2013 at Virtual University, Lahore, Pakistan |
| 10. | Jaffry, S. W. | Attended, Cloud Computing Summit, Punjab Information Technology Board, April 16 th , 2013, Arfa Software Technology Park, Lahore, Punjab |

Punjab University Gujranwala Campus**R & D – An Overview**

The faculty members of the PUGC got their 16 research papers published in international journals and participated in two international conferences.



Publications

- Hafiz Kashif Iqbal, **Muhammad Mudasar Ghafoor**, Saleh Shehbaz, (2013), "Impact of Demographic Factor on store selection: An insight in Pakistani Society", *Journal of Marketing Management*, Vol. 1, Issue 1, pp. 34-45. **United Kingdom Taylor and Francis online (Ebscohost), impact factor journal 0.7.**
- Muhammad Ehsan Malik, **Muhammad Mudasar Ghafoor**, Hafiz Kashid Iqbal, (2013), "Impact of Job Overload and Work Schedule Flexibility on Job Satisfaction: An insight into education and banking sector of Pakistan", *International Review of Social Sciences and Humanities*, Vol. 5, No. 1, pp. 38-47. **India (Recognized "Y" Category by HEC)**
- Muhammad Ehsan Malik, **Muhammad Mudasar Ghafoor**, Hafiz Kashid Iqbal, Qasim Alim Hira Humbal, Muhammad Numan and Bilal Ahmad, (2013), "Impact of brand image an advertisement on consumer buying behavior", *World Applied Science Journal*, Vol. 23 , Issue 1, pp. 117-122. **Australia Thomson and ISI Indexed (Recognized "X" Category by HEC)**
- Muhammad Ehsan Malik, Hafiz Kashid Iqbal, **Muhammad Mudasar Ghafoor**, (2013), "Impact of HR practices on job satisfaction: An empirical evidence from corporate sector of Punjab-Pakistan", *Interdisciplinary Journal of Contemporary Research In Business*, Vol. 5 , No. 2, pp. 442-454. **United States of America (Recognized "Y" Category by HEC)**
- **Mudasar Ghafoor**, Alqa Ashraf, Iqra Sajid and M. Azeem, (2014), "Antecedents and Consequences of Work Family Conflict", *European Journal of Business and Management*, Volume 6, Number 4, pp. 153-160. **(Recognized "Y" Category by HEC)**
- **Mudasar Ghafoor**, Sadaf Amjad, Maria Zafar and M. Azeem, (2013), "The Impact of Employee Empowerment on achievement motivation and contextual performance of employee: A case Banking sector in Pakistan", *Farest Journal of Psychology and Business*, Vol. 13, No. 1, pp. 42-50. **Hong Kong (Recognized "Y" Category by HEC)**
- **Muhammad Mudasar Ghafoor**, Iqra Iqbal, Amina Chaoudhary and M. Azeem, (2013), "Attitude towards computer learning: A case of public and private sector Institutions", *Interdisciplinary Journal of Contemporary Research In Business*, Vol. 5, N. 3, pp. 402-408. **United Kingdom (Recognized "Y" Category by HEC)**
- Muhammad Ehsan Malik, **Muhammad Mudasar Ghafoor**, Hafiz Kashif Iqbal, Unzila and Aysha, (2014), "The Impact of Advertisement and Consumer Perception on Consumer Buying Behavior" *International Review of Social Science and Humanities*, Volume 6, Number 2, pp. 55-64. **India (Recognized "Y" Category by HEC)**
- Prof. Dr. Muhammad Ehsan Malik, **Muhammad Mudasar Ghafoor**, Hafiz Kashif Iqbal, (2013), "Importance of Brand Awareness and Brand Loyalty in assessing purchase intentions of consumers", *International Journal of Business and Social Science*, Vol. 4 , Number 5, pp. 167-171. **United States of America (Recognized "Y" Category by HEC)**



- Muhammad Asher, **Muhammad Mudasar Ghafoor**, Esha Munir and Sadia Hafeez, (2013), “The Impact of Perceptions of Training on Employee Commitment and Turnover Intention: Evidence from Pakistan”, *International Journal of Human Resource Studies*, Volume 3, Number 1, pp. 74-88. **United States of America (Recognized “Y” Category by HEC)**
- Muhammad Ehsan Malik, Muhammad Mudasar Ghafoor, Muhammad Asher, Arooje and Anum, (2013), “The Impact of Training Perceptions on Employee Attitudes”, *American Journal of Scientific Research*, Issue 87, pp. 164-173. **Seychelles Thomson and ISI Indexed (Recognized “X” Category by HEC)**
- Chaudhry, D. Naveed Iqbal and Mehmood, Mian Saqib and Mehmood, Asif and Mujtaba, Bahaudin G., Exchange Rate, Market Size and Human Capital Nexus Foreign Direct Investment – A Bound Testing Approach for Pakistan (August 21, 2014). *Wulfenia Journal*, ISI indexed, Impact Factor 0.267, Volume 21(8), pp. 151-169.
- Chaudhry, D. Naveed Iqbal and Mehmood, Mian Saqib and Mehmood, Asif, Determinants of Corporate Hedging Policies and Derivatives Usage in Risk Management Practices of Non-Financial Firms (July 24, 2014). *Wulfenia Journal*, ISI Indexed, Impact Factor 0.267, Volume 21 (7), pp. 293-310.
- Chaudhry N.I., Musnir, E., Impact of Interpersonal Trust and Leadership Styles, *International Journal of Leadership in Public Services*, vol. 1 (2) (2014)
- Empirical Relationship between Foreign Direct Investment & Economic Growth: An ARDL Co-integration Approach for China, *China Finance Review International*, Vol. 3 Iss: 1, pp.26 – 41 (2013)
- Chaudhry N.I., , Ashraf, Z., Mediation effects of Political Skills Dimensions on Employee Performance, *International Journal of Business and Management* Vol. 7, No. 9, 2013 Conferences, Seminars and Workshops, etc.
- I. “Does Investment in Human Capital Development Bring any Benefits for Enterprises?” to be presented at the 4th Global Accounting and Organizational Change Conference during 17 – 20 November, 2014 at American University of Sharjah, United Arab Emirates.
- II. Financial Analysis Competition, Department of Management Science, University of Gujrat, Gujrat. (January 2014)

Punjab University Jhelum Campus

- Publications: Books / Edited
 - 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.
- Functions / Established / Budget / Activities
 - Debate competition on Yum-e-Takbeer 28th May 2013.
 - Tribute to Shuhda-e-Difah Pakistan 6th September 2014.
 - Sports Activities September 2012.
 - Iqbal Day 09 November 2014.
 - Quaid-e-Azam Day 25th December 2014.
 - Eid Milad un Nabi Naat Competition 14th January 2013.



Chapter

3

QUALITY ASSURANCE

- *Impact of Quality Assurance in the University*
- *Quality Enhancement Cell*
- *Membership of Associations/ Networks*
- *Accreditation of Programmes from Relevant Councils*



CHAPTER

3

Quality Assurance

Quality Enhancement Cell

QUALITY ENHANCEMENT CELL

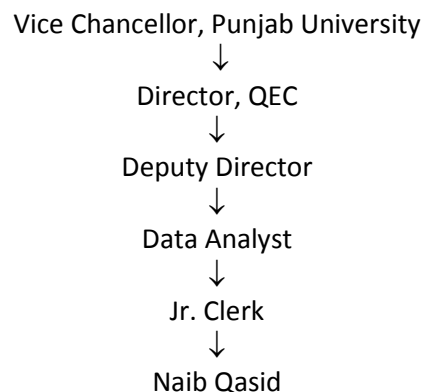
In recent years it has become an obligation that institutions of higher education demonstrate the effectiveness of their academic programs in providing high quality education that positively impacts students. Furthermore, most accrediting bodies and others concerned with quality assurance are requesting that institutions assess students learning outcomes as a means of improving academic programs. This has led the HEC to develop methods for assessing the quality of academic programs. Assessment is a systematic process of gathering, reviewing and using important quantitative and qualitative data and information from multiple and diverse sources about educational programs, for the purpose of improving student learning, and evaluating whether academic and learning standards are being met. The process culminates when assessment results are used to improve students learning. The elements of a successful assessment program include:-

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

Functioning of Quality Enhancement Cell at University of the Punjab:

As per directions of HEC, Quality Enhancement Cell was established at University of the Punjab in 2006. QEC houses in its own building constructed at the 1st floor of ICET. The present structure of Quality Enhancement Cell at University of the Punjab is given as below:

Structure of Quality Enhancement Cell at University of the Punjab:





There are number of ways by which educational institutions are improving the quality of education. Self assessment is one of them.

Self Assessment:

Self assessment is an important tool for quality assurance and provides feedback for the management to initiate action plans for improvement and the same has been adopted at University of the Punjab. The data is collected by using self assessment manual for the purpose of self assessment of a particular academic program. Quality Enhancement Cell at Punjab University is continuously striving for implementation of SAM at departmental level. The silent features of self assessment are as under:-

- It helps in maintaining and continuous enhancement of performance.
- Enhance effectiveness of the output.
- Verify that the existing activities meet their objectives and institutional goals.
- Provide feedback for quality assurance to the management.

Self Assessment Procedure:

Each academic program undergoes a self assessment every year (assessment cycle). QEC is responsible for planning, coordinating and following up on the self assessment activities. The steps of the procedure for self assessment are as under:-

- QEC initiates self assessment exercise through the notification issued by the Vice Chancellor's office.
- Department constitutes its Program team, who is responsible for preparing and generating Self Assessment Report (SAR).
- QEC reviews the final SAR in one month to ensure that it is prepared in line with the required format.
- If SAR prepared by the department is declared completed in every respect by QEC; it moves to next step, otherwise, it is sent back to the department (step 2).
- Vice Chancellor forms Assessment Team (AT) in consultation with QEC.
- QEC plans and fixes AT visits.
- AT conducts assessment and presents its findings to QEC.
- QEC submits the Executive Summary along with AT findings to the Vice Chancellor, HEC & HOD of that particular department.
- Department shall prepare and submit an implementation plan to QEC based on AT findings.
- QEC is also responsible for follow-up of corrective measures by different departments.

Components of Self Assessment Process:

Criteria 1: Programme Mission Statements, Objectives and Outcomes

Criteria 2: Curriculum Design and Organization

Criteria 3: Laboratories and Computing Facilities

Criteria 4: Student Support and Advising

Criteria 5: Process Control

Criteria 6: Faculty

Criteria 7: Institutional Facilities

Criteria 8: Institutional Support

Impact of Quality Assurance in the University

Quality Enhancement Cells were established in universities to have a focused attention on quality assurance aspect of Higher Education and to monitor the ongoing quality move in the University. The impact of quality assurance and the changes which it has brought in the University are outlined below:-

- Created the awareness about self assessment, its procedures and implementation at departmental level.
- Streamlined the development of curriculum for different programs.
- Development of module files of Bachelors, Masters, M.Phil and PhD. degree programs.
- Lesson plan and course material files are being maintained and distributed among students.
- Streamlined the educational processes i.e. admission, registration and guidance to students etc.
- Focused on improving and maintaining the highest Academic Standards.
- Prepare the departments for their Accreditation by Councils and other such bodies.
- Helped to improve students' learning through student feedback (high standards of oral and written communication skills), alumni & employer surveys and changes, if required, in curricula (improvements to achieve academic excellence)
- Identified the weaknesses about teaching & research through faculty survey.
- It is agreed by all the stakeholders in higher education that Self Assessment Manual (SAM) is a great opportunity to enhance the level of education.



University of the Punjab in collaborations with Virtual University of Pakistan celebrating
“World Quality Day”



The interest in Quality Assurance and SAM completion can be increased among different departments, firstly by clarifying the SAM and by increasing awareness; secondly, SAM is not a survey form but a complete course in management system. However, the implementation of quality assurance and SAM can only be effectively implemented in letter and spirit by the commitment of the Directors and Deans of all the faculties. QEC is contributing in creating awareness by providing training in cluster of program teams.

Latest Status of QEC at University of the Punjab:

Below is the latest status of performance of Quality Enhancement Cell:

- Total number of departments 70
- No. of departments whose PTs formation has been completed 67
- No. of SARs submitted 44
- No. of ATs formed 31
- No. of ATs visits to different departments 31
- No. of submission of AT reports 24
- No. of Exit meeting of AT with the Dean & PTMs 31
- No. of audits completed of different departments 31
- No. of submission of Implementation plans to VC 29
- No. of second cycle of assessment started 02

Quality Enhancement Cell is following up the implementation plans along with continuously pursuing the rest of departments to prepare their SARs. As self assessment is a continuous process once any department completes its one cycle of assessment, it is asked to prepare the self assessment report for the next cycle.

Achievements during the Last Year

A. IMPLEMENTATION STATUS OF QA MECHANISM

a) Awareness seminars/ conferences/ workshops arranged at university on quality assurance

| Sr # | Title of the event | Target Group | Purpose of the event | Date and Ref # |
|------|---|---|---|-------------------------------------|
| 1 | Minutes of Meeting for Expediting Self Assessment Activities & Awareness about the Teacher's and Courses Evaluations on 12 th March, 2014 | Faculty of Behavioral & Social Sciences | To expedite the completion of self assessment report and awareness about the Teacher's and Courses Evaluations. | Ref. No. D/64/QEC dated 17-03-2014 |
| 2 | Minutes of Meeting for Expediting Self Assessment Activities & Awareness about the Teacher's and Courses Evaluations on 15 th July, 2014 | Faculty of Commerce | To expedite the completion of self assessment report and awareness about the Teacher's and Courses Evaluations. | Ref. No. D/129/QEC dated 16-07-2014 |
| 3 | Minutes of Meeting for Expediting Self Assessment Activities & Awareness about the Teacher's and Courses Evaluations on 5 th September, 2014 | Faculty of Education | To expedite the completion of self assessment report and awareness about the Teacher's and Courses Evaluations. | Ref. No. D/157/QEC dated 10-09-2014 |

**Self Assessment Exercise.**

Self assessment reports of the following departments have been submitted to QEC in the reporting year:-

| S. No | Departments undertaking SA exercise | PTs formed (attach list of names) | Program Team Report completed | | | QEC Review of the Program Teams Report | | |
|-------|---|--|------------------------------------|--------------------------------------|---|--|---|-------------------------|
| | | | No. of Criteria covered (out of 8) | No. of Standards covered (out of 31) | No. & Type of Surveys completed (out of 10) | Date of submission of the report by the PT | Report is returned to PT and further submission by PT (Specify Dates) | Report finalized (Date) |
| 1 | Department of History & Pakistan Studies M.A History program | 1-Prof. Dr. Muhammad Iqbal Chawala 2-Mr. Maqbool Ahmad Awan | 08 | 31 | 01 | 22-10-2013 | - | 22-10-2013 |
| 2 | Department of History & Pakistan Studies M.Phil. History program | 1-Prof. Dr. Muhammad Iqbal Chawala 2-Mr. Maqbool Ahmad Awan | 08 | 31 | 01 | 22-10-2013 | - | 22-10-2013 |
| 3 | Department of History & Pakistan Studies Ph.D History program | 1-Prof. Dr. Muhammad Iqbal Chawala 2-Mr. Maqbool Ahmad Awan | 08 | 31 | 01 | 22-10-2013 | - | 22-10-2013 |
| 4 | Department of History & Pakistan Studies M.A Pak.Study program | 1-Prof. Dr. Muhammad Iqbal Chawala 2-Mr. Maqbool Ahmad Awan | 08 | 31 | 01 | 22-10-2013 | - | 22-10-2013 |
| 5 | Department of Polymer Engineering & Technology | 1-Engr. Shahzad Masood Khan 2-Engr. Anila Sabir | 08 | 31 | 0 | 22-10-2013 | - | 22-10-2013 |
| 6 | Department of Mathematics | 1-Prof. Dr. Malik Zawwar Hussain 2-Dr. Muhammad Aslam Malik | 08 | 31 | 4 | 02-12-2013 | - | 02-12-2013 |



| | | | | | | | | |
|---|---------------------------------|--|----|----|----|------------|----------------------|------------|
| 7 | Department of Geography | 1- Dr. Safder Ali Shirazi 2-Ms. Isma Younis | 08 | 31 | 02 | 15-04-2014 | - | 15-04-2014 |
| 8 | Department of Political Science | 1- Prof.Dr. Iram Khalid 2- Dr. Rehana Saeed Hashmi 3- Dr. Gulshan Majeed | 06 | 15 | 0 | 10-07-2014 | In process of review | - |

Executive summaries and implementation plans of departments.

During the year 2013-14, assessments of the following departments were conducted:-

| Sr. No. | Departments undertaking Assessment by ATs | ATs formed (attach list of names) | Date of AT Visit | Date of submission of AT report | Date of AT exit meeting with the Dean, PT & Faculty | Date of submission of executive summary to VC by QEC | Date of submission of I.P to VC |
|---------|--|--|------------------|---------------------------------|---|--|---------------------------------|
| 1 | Institute of Business Administration | 1-Prof. Dr. Aamir Ijaz 2-Prof. Dr. Shahid Munir 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | 10-12-2013 | 11-12-2012 | 10-12-2012 | 11-12-2012 | 06-03-2014 |
| 2 | Department of Polymer Engineering & Technology | 1-Prof. Dr. Aamir Ijaz 2-Prof. Dr. Shaukat Ali (Expert) 3-Mr. Ijaz Ahmad 4-Mr. M. Omar Yasin | 16-01-2014 | 30-01-2014 | 30-01-2014 | 30-01-2014 | 07-03-2014 |
| 3 | Department of History & Pakistan Studies (M.A History program) | 1-Prof. Dr. Aamir Ijaz 2-Dr. Farzand Masih (Expert) 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | 10-03-2014 | 14-03-2014 | 14-03-2014 | 14-03-2014 | 21-05-2014 |
| 4 | Department of History & Pakistan Studies (M.A Pak.Study program) | 1-Prof. Dr. Aamir Ijaz 2-Prof. Dr. Umbreen Javaid (Expert) 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | 10-03-2014 | 14-03-2014 | 14-03-2014 | 14-03-2014 | 21-05-2014 |
| 5 | Department of History & Pakistan Studies (M.Phil. History program) | 1-Prof. Dr. Aamir Ijaz 2-Prof. Dr. Massarrat Abid (Expert) | 10-03-2014 | 14-03-2014 | 14-03-2014 | 14-03-2014 | 21-05-2014 |



| | | | | | | | |
|---|---|--|------------|------------|------------|------------|------------|
| | | 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | | | | | |
| 6 | Department of History & Pakistan Studies (Ph.D History program) | 1-Prof. Dr. Aamir Ijaz 2-Prof. Dr. Massarrat Abid (Expert) 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | 10-03-2014 | 14-03-2014 | 14-03-2014 | 14-03-2014 | 21-05-2014 |
| 7 | Department of Mathematics | 1-Prof. Dr. Aamir Ijaz 2-Dr. Hafiz Muhammad Rafique 3-Mr. Ijaz Ahmad 4-Mr. M. Omer Yasin | 11-08-2014 | 28-08-2014 | 28-08-2014 | 28-08-2014 | - |

Empowering the QEC

a. Workshops/ Trainings/ Meetings attended/ organized by QEC at national/international level for awareness.

| Sr. No. | Title of the event | Date | Purpose of the event (Participation/ Contribution) |
|---------|--|------------------|--|
| 1 | Video conference on "The Leadership aspect in Teaching". | 10-01-2014 | QEC, PU attended a video conference on "The Leadership aspect in Teaching" organized by Khyber Medical University. |
| 2 | Video Conference on "Making your Personal Development Plans". | 10-02-2014 | QEC, PU attended a video conference on "Making your Personal Development Plans". |
| 3 | Workshop on "Self-Assessment Procedures" at Lahore College for Women University. | 21-02-2014 | Director QEC, Prof. Dr. Aamir Ijaz delivered a lecture on "Self-Assessment Procedure" at Lahore College for Women University (LCWU). He guided program team members of LCWU about self-assessment procedure and discussed criteria of self-assessment manual. He also shared the good practices of QEC, PU with them. |
| 4 | Seminar at University of Health Science (UHS). | 18-04-2014 | Director QEC, Prof. Dr. Aamir Ijaz delivered a lecture on "Impact of Quality Enhancement Cell on Higher Education Institutions" at University of Health Sciences. He told about the impact of Quality Enhancement Cells on quality assurance of education and discussed criteria of self-assessment manual. |
| 5 | Video Conference on "Communication Skills". | 09-05-2014 | QEC, PU attended a video conference on "Communication Skills" arranged by Khyber Medical University, Peshawar. |
| 6 | Workshop on "Introduction to Quality Management System Principles, ISO 9001: 2008 & its Requirements". | 25-26 June, 2014 | Workshop was arranged by Pakistan Standards and Quality Control Authority in collaboration with, Institute of Chemical Engineering & Technology, College of Engineering & Emerging Technologies, Quality Enhancement Cell (QEC) and ORIC Punjab University. Different presenters briefed the participants about the ISO 9001:2008. |
| 7 | Video Conference on "Communication Skills" sing KPI for performance Evaluation at | 18-08-2014 | Resource person Prof. Dr Abdul Wahid Usmani, Dean Quality Assurance, King Saud University |



| | | | |
|----|---|------------|---|
| | program and institutional level”. | | explained Key Performance Indicators for performance evaluation to the participants of video conference. |
| 8 | “Second Indigenous on Campus Training Program under Modern University Governance” at The Women University Multan. | 01-09-2014 | Director QEC, Prof. Dr. Aamir Ijaz delivered a training session in the training program. Prof. Dr. Aamir Ijaz delivered lectures and gave presentations on communication skills, time management and manners to the administrative staff of university. |
| 9 | Video conference on “Institutional Performance Evaluation Standards” | 10-07-2013 | QEC,PU attended video conference on “Institutional Performance Evaluation Standards” |
| 10 | Video conference on “Kirkpatrick’s Four Level Model of Evaluation in Academic Evaluation”. | 06-09-2013 | QEC,PU attended video conference on “Kirkpatrick’s Four Level Model of Evaluation in Academic Evaluation”. |
| 11 | Conference on “The World beyond 2015: Is Higher Education Ready?” at CIIT Islamabad. | 10-09-2014 | Director QEC attended the conference. |

B. QEC website has been developed and following information uploaded on <http://pu.edu.pk/home/qec/qec.html>

| S. No. | List down the relevant information uploaded |
|--------|---|
| 1 | Introduction of QEC |
| 2 | Vision of QEC |
| 3 | Mission of QEC |
| 4 | Objectives of QEC |
| 5 | Vision of Punjab University |
| 6 | Mission of Punjab University |
| 7 | Goals of Punjab University |
| 8 | Job Description of PT’s and AT’s |
| 9 | Structure of QEC |
| 10 | Self Assessment Manual (SAM) |
| 11 | Presentations |
| 12 | Minutes of Meeting arranged by QEC |
| 13 | Program Team Members of SAM |
| 14 | Assessment Team Members |
| 15 | Self Assessment Reports |
| 16 | Check lists |
| 17 | Audits completed |
| 18 | Assessment Team Findings |
| 19 | Rubric Forms |
| 20 | Implementation Plans |
| 21 | Follow Up Actions |
| 22 | Survey Forms |
| 23 | Memberships |
| 24 | News & Events |



Membership of Associations / Networks

Acquired the memberships of following international quality assurance agencies:

International Network for Quality Assurance Agencies in Higher Education (INQAAHE)

Asia Pacific Quality Network (APQN)

Association of Quality Assurance Agencies of the Islamic World (AQAAIW)

Talloires Network (Tufts University), Washington DC 20036, USA.

QEC Network

Faculty of Arts & Humanities

DEPARTMENT OF PHILOSOPHY

- Membership of Associations/Networks

All faculty members are associated with different international philosophical societies.

PAKISTAN STUDY CENTRE

- Membership of Associations/ Networks

Pakistan Vision, the research journal of the Centre has been part of indexing and abstracting services of two international and one national abstracting organizations. These are

- International Political Science Abstracts (IPSA), Paris
- International Bibliography of Social Sciences (IBSS), London
- AsiaNet Pakistan

- Accreditation of Programmes from relevant councils

The academic programmes of the Centre have been reviewed and approved by the Academic Committee, Pakistan Study Centre, Board of Faculty of Arts & and the Academic Council of Punjab University and of Board of Studies, University of the Punjab.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF POLITICAL SCIENCE

Membership of Associations / Networks

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

- Member, Grant of Advance/Annual Increments to the Faculty Members working under TTP, PU, Lahore (2014).
- Member, Inquiry Committee, University of the Punjab, Lahore (2014).
- Member, Fact finding committee, University of the Punjab, Lahore.
- Member, Employees efficiency Discipline & Accountability, University of the Punjab, Lahore.



- Member, Finance and Planning Committee for a period of three years w.e.f. 19-06-2014.
- Member, Board of Faculty of Oriental Learning, University of the Punjab, Lahore.
- Member, Price Vigilance Committee (PVC) for Punjab University Library, University of the Punjab, Lahore.
- Member, Academic Council, University of the Punjab, Lahore.
- Member, Senate, University of the Punjab, Lahore.
- Member, Tenure Track Programme (TTP), University of the Punjab, Lahore 12-04-2012 to date.
- Member, Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore for three years w.e.f. 14-06-2012.
- Member, Equivalence Committee, University of the Punjab, Lahore. June 2012.

INSTITUTE OF COMMUNICATION STUDIES

Impact of Quality Assurance (*related to Director QEC*)

Quality Enhancement Cell (*related to Director QEC*)

Membership of Associations/Networks:

Institute of Communication Studies, University of the Punjab has membership of PEMRA and Paragon Academy of Performing Arts.

Accreditation of programs from relevant council:

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

Impact of Quality Assurance in the University:

We aim to ensure Quality Assurance of Academics and Administration in our College. Curriculum is updated from time to time to incorporate recent developments in Insurance and Banking Industry. **Prof. Dr. Mubbsher Munawar Khan** has introduced the Class Feedback system. Class timings & make up classes are strictly observed. Teachers are motivated for excellent delivery of lectures and related pedagogy. Professionals from Industry are also invited to supplement practical applications.

Quality Enhancement Cell:

This Cell exists in the University of the Punjab and they are in a better position to submit reply in respect of 3.3 and 3.4.

Faculty of Economics & Management Sciences

INSTITUTE OF BUSINESS ADMINISTRATION

o Membership of Associations/ Networks

IBA is a member of the Association of Management Development Institutions in South Asia (AMDISA), Hyderabad, India.



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

The Department of Special Education is member of ICEVI (International Council for Education of Visually Impaired) working for the rehabilitation of persons with visual impairment. In-service Training College for the Teachers of the Blind, Sir Syed Academy for the Deaf, Rawalpindi, Govt. College for the Deaf (now declared as Special House) and Hamza Foundation Academy for the Deaf, Johar town Lahore is affiliated for the Degrees of M.Ed in Visual Impairment, B.Ed. Special Needs and B.A. Hearing Impairment are affiliated with Department. The curriculum of these programs have also been developed and approved by the Board of Studies in Special Education. Child Welfare Centre situated in Punjab University is also working for Education and Rehabilitation of Students with Special Needs under supervision of the same department.

Faculty of Engineering & Technology

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Impact of Quality Assurance in the University

Teacher's and course evaluation has been conducted on regular basis. Teachers have started circulating course outlines and completing courses in semester. Self Assessment process is working and reports are being generated.

Quality Enhancement Cell

Related to Director QAC

Membership of Associations/Networks

Faculty members as well as students are encouraged to get memberships of various professional organizations like PEC, PIChE etc.

Accreditation of Programs from relevant councils

The program of B.Sc. (Engg.) Chemical Engineering at the Institute is duly accredited by the Pakistan Engineering council and Higher Education Commission. Moreover, to maintain the quality standards, and to upgrade of the curriculum according to Pakistan Engineering Council and Higher Education Commission's requirements boards of studies and faculty meetings are a regular feature.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Accreditation of Programmes from relevant councils

BS Industrial Engineering program of this Institute is accredited by PEC.



Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

Quality Enhancement Cell

Quality Enhancement Cell is consist of Dr. M. Abdullah & Dr. Hafiz M. Abdul Qayyum

Accreditation of Programmes from relevant councils

Board of Studies, Departmental Doctoral Programme Coordination Committee and Advanced Studies & Research Board are the statutory bodies of the academic matters.

Faculty of Life Sciences

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

o Membership of Associations/Networks

1. Dr Anjum Nasim Sabri is life time member of Pakistan Botanical Society
2. Dr Anjum Nasim Sabri is Life Member Pakistan Genetical Society.
3. Dr Anjum Nasim Sabri is Member American Society for Microbiology (ASM), USA.
4. Dr Zakia Latif is life time member of Mycopathological society of Pakistan
5. Dr Zakia Latif is life time member of Pakistan Botanical Society
6. Dr Zakia Latif is life time member of Phytopathological society of Pakistan
7. Dr Zakia Latif is member of technical editorial board of journal "Advancement in Life Sciences"
8. Dr. Sikander Sultan is Life Member Pakistan Genetical Society.
9. Dr. Sikander Sultan is Member American Society for Microbiology (ASM), USA.
10. Dr. Sikander Sultan is Life Member Pakistan Botanical Society.
11. Dr. Basharat Ali is Member American Society for Microbiology (ASM), USA.
12. Dr. Zaigham Abbas is Chief-coordinator of National Academy of Young Scientists. (www.nays.com.pk)
13. Dr. Zaigham Abbas is Member of American Association for the Advancement of Science (AAAS).
14. Dr. Zaigham Abbas is Member Young thinkers of Pakistan (YTP)
15. Dr. Saba Riaz is Regional-Editor of "Asian Journal of Medicine and Biomedicine" Malaysia.
16. Dr. Saba Riaz is Life member of Medical Microbiology and Infectious disease Society of Pakistan
17. Dr. Saba Riaz is member of International Society of Infectious Diseases
18. Dr. Saba Riaz is member of Medical Research Society of Pakistan



19. Dr Rida Batool is Life Fellow Pakistan Zoological Society
20. Dr Rida Batool is Member of American Society of Microbiology (ASM)
21. Dr Rida Batool is Member of Asia Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)
22. Dr Rida Batool is Member of International Society for Applied Life Sciences (ISALS)
23. Dr Nageen Hussain is Co-Editor of "International Journal of Health Sciences".
24. Dr Nageen Hussain is Member of American chemical society.
25. Dr Nageen Hussain is Member of American Society of Microbiology
26. Dr Nageen Hussain is WASET Scientific Committee and Editorial Review Board
27. Dr. Nousheen Zehra Zaidi - Member of Biosafety Bio-resource Committee, Punjab University, Lahore, (Secretary).
28. Dr. Nousheen Zehra Zaidi Ad Hoc Reviewer for Biochemical Pharmacology (2014)
29. Dr. Nousheen Zehra Zaidi Ad Hoc Reviewer for Food and Chemical Toxicology (2014).
30. Dr Mehboob Ahmed is Member American Society for Microbiology (ASM), USA.
31. Dr Mehboob Ahmed is Member, HEC National Curriculum revision committee for Bioinformatics
32. Dr. Yasir Rehman is Member of American Society of Microbiology (ASM), USA since 2009.
33. MMG Department is member of AT Waste management.

DEPARTMENT OF ZOOLOGY

Membership of Associations

Prof. Dr. Muhammad Akhtar

- Founder Fellow, Pakistan Wildlife Foundation since 2011 till to-date. **Prof. Dr. Javed Iqbal Qazi**
- Member, Biotechnology Society NIBGE, Faisalabad.
- Life Fellow Zoological Society of Pakistan.
- Life Fellow Biological Society of Pakistan.
- Life Fellow Pakistan Fisheries Society.
- Life fellow medical Research Society of Pakistan.
- Remained member, Advisory Board, Pakistan Journal of Zoology.
Member, Editorial Committee, Punjab University Journal of Zoology.
- Member, Board of Studies in Zoology, University of the Punjab, Lahore.
- Member, Board of Studies in Microbiology, Hazara University, Mansehra NWFP, Pakistan.
- Member, Board of Studies in Zoology University of Azad Jammu Kashmir Muzaffarabad.
- Member, Equivalence Committee, University of the Punjab, Lahore.



- Member, Departmental Tenure Track Review Committee (DTRC) of the Institute of Agricultural Sciences to evaluate/review the performance of the Faculty members working on TTS according to the relevant statutes.
- Young Zoologist member Executive council, Zoological Society of Pakistan.
- Was recommended by the American Biographical Institute, Inc. (ABI) Governing Board of Editors for biographical inclusion in the Seventh Edition of INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP in 1997.
- Was declared eligible for the LEADING SCIENTIST OF THE WORLD medal by International Biographical Centre, Cambridge, England.
- Was appointed as member Departmental Purchase Committee for Department of Zoology, University of the Punjab, Lahore, for the year 2006-07.
- Member equivalence committee University of the Punjab, Lahore. Pakistan from 14.05.2008 for two years.
- Member, Mirpur University of Science and Technology (MUST), MIRPUR.
- Member Disciplinary Committee for resolving cases for unfair means in the examinations of University of the Punjab, Lahore. From 2010 on-ward.
- Member Academic Council University of the Punjab, Lahore.
- Member of Inquiry Committee, University of the Punjab, Lahore.
- Student advisor Department of Zoology, University of the Punjab, Lahore.
- Co-ordinator Ph.D. In-Service Program. Department of Zoology, University of the Punjab, Lahore.
- Member of FIEC National Curriculum Revision Committee.
- Member of Core Committee to Develop/ Strengthen the Punjab University Industry Linkages.
- Was appointed member of the Advance Studies and Research Board for a period of three years w.e.f. 19.06.2014 by the academic council, University of the Punjab, Lahore. Vide notification No. 2061/P
- Member Departmental Tenure Review Committee (DTRC) of the Centre for Undergraduate Studies vide office order No. D/5272/Est.I dated, 11.09.2014.
- Member Editorial Board Pakistan Journal of Molecular Medicine. The University of Lahore, 1-km defense road, off Raiwind Road Lahore, Pakistan. Volume 01 (1-2), 2014.

Prof, Dr. Muhammad Naeem Khan

- Member, Western Division, American Fisheries Society, USA (AFS), 2014.
- Member, World Aquaculture Society (WAS), 2014.
- Member, Zoological Society of Pakistan
- Member, Pakistan Fisheries Society
- Member, University of Veterinary & Animal Sciences, Lahore Alumni Association



- Member, Board of Studies, Lahore College for Women, Lahore.
- Member, Selection Board, Lahore College for Women University, Lahore.
- Member, Selection Board, University of Veterinary & Animal Sciences, Lahore.
- Member, Selection Board, University of Sindh, Jamshoro.
- Member, Selection Board, University of Karachi.
- Member, Selection Board, BahauddinZakariya University (BZU), Multan.
- Member, Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore.
- Member, Working Group, Fisheries Sector, Forest Wildlife & Fisheries Department, Government of Punjab.

Dr. Nabila Roohi

- Active Member, The Endocrine Society, 8401 Connecticut Avenue, Suite 900, Chevy Chase, Maryland, USA, December 2010 to present
- Member, International Society of Zoological Sciences, Datun Road, Beijing, China, April 2010 to present
- Member, Pakistan Society for the Advancement of Science, 1995 to present
- Member, Faculty Board of Life Sciences, University of the Punjab, 2005 to present
- Fellow, Zoological Society of Pakistan, 1992 to present
- Member, Pakistan Society of Biochemistry and Molecular Biology, 1994 to present
- Harbour Services Fellow of the PEP Foundation, 1997 to present
- Member, All Pakistan Women Association (APWA), 2000 to present
- Member, Curriculum Review Committee, Department of Zoology, Feb 2001 to present
- Member, Admission Committee, Department of Zoology, Feb 2001 to present
- Member, Examination Committee, Department of Zoology, Feb 2001 to present
- Member, Purchase Committee, Department of Zoology, Feb 2001 to present
- Member, Maintenance Committee, Department of Zoology, 2004 to present

INSTITUTE OF APPLIED PSYCHOLOGY

Membership of Associations/ Networks

| Sr. No. | Name of Association/ Networks/Committee | Name of Faculty Member |
|----------------|--|-------------------------------|
| 1. | Member British Psychological Society, UK (BPS). | Prof. Dr. Rukhsana Kausar |
| 2. | International Affiliate American Psychological Association (APA) | Prof. Dr. Rukhsana Kausar |
| 3. | Full Member of the European Health Psychology Society (EHPS) | Prof. Dr. Rukhsana Kausar |
| 4. | Member International Council of Psychologists (ICP). | Prof. Dr. Rukhsana Kausar |
| 5. | Member International Association of Applied Psychology (IAAP). | Prof. Dr. Rukhsana Kausar |
| 6. | Member Asian Psychological Association (APsyA). | Prof. Dr. Rukhsana Kausar |
| 7. | Life Member, Pakistan Psychological Association (PPA). | Prof. Dr. Rukhsana Kausar |
| 8. | Member, International Society of Interpersonal Acceptance and | Prof. Dr. Rukhsana Kausar |



| | | |
|-----|--|---------------------------|
| | Rejection. | |
| 9. | Member Research Advisory Committee of National Institute of Psychology, Centre of Excellences, Quaid-e-Azan University, Islamabad, Pakistan. | Prof. Dr. Rukhsana Kausar |
| 10. | Member, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan, August, 2010 onwards. | Prof. Dr. Rukhsana Kausar |
| 11. | Chairperson, Psychology Subcommittee, Committee for Development of Social Sciences, Arts and Humanities, Higher Education Commission, Pakistan, August, 2010 onwards | Prof. Dr. Rukhsana Kausar |
| 12. | Chief Editor, Journal of Behavioural Sciences, Official Publication of Department of Applied Psychology, University of the Punjab, Lahore (2003-2005; 2007 onwards). | Prof. Dr. Rukhsana Kausar |
| 13. | Chief Editor "Psychological Abstracts", Institute of Applied Psychology. | Prof. Dr. Rukhsana Kausar |
| 14. | Member, Editorial Board, Journal of Social and Clinical Psychology. | Prof. Dr. Rukhsana Kausar |
| 15. | Member, Editorial Board, Pakistan Journal of Professional Psychology. | Prof. Dr. Rukhsana Kausar |
| 16. | Consulting Editor, Science Journal of Business Management, ISSN" 2276-6316, http://www.sjpub.org/sjbm.html | Prof. Dr. Rukhsana Kausar |
| 17. | Consulting Editor, Pakistan Journal of Psychological Research, National Institute of Psychology, Quaid-i-Azam University, Islamabad. | Prof. Dr. Rukhsana Kausar |
| 18. | Consulting Editor, Indian Journal of Psychology and Mental Health. | Prof. Dr. Rukhsana Kausar |
| 19. | Consulting Editor, Journal of Gender and Social Issues, Fatima Jinnah Women University, Rawalpindi. | Prof. Dr. Rukhsana Kausar |
| 20. | Consulting Editor, Frontier Women University, Journal of Social Sciences. | Prof. Dr. Rukhsana Kausar |
| 21. | Consulting Editor, Journal of Indian Academy of Applied Psychology. | Prof. Dr. Rukhsana Kausar |
| 22. | Fellowship of International Medical Sciences Academy (IMSA) | Prof. Dr. Farah Malik |
| 23. | Regional Representative for South Asia, Society for Interpersonal Acceptance-Rejection, USA. | Prof. Dr. Farah Malik |
| 24. | Associate Editor, Journal of Behavioral Sciences, IAP, PU, Lahore. | Prof. Dr. Farah Malik |
| 25. | Vice President Society for Advancement of Muslim Psychology, Pakistan | Dr. Naumana Amjad |
| 26. | Senior Vice President Alumni Association of Ravian Psychologists | Dr. Naumana Amjad |
| 27. | Member International Society for Research on Aggression | Dr. Naumana Amjad |
| 28. | Member Pakistan Psychological Association | Dr. Naumana Amjad |
| 29. | Member American Psychological Association, America | Dr. Rafia Rafique |
| 30. | Member Canadian Psychological Association, Canada. | Dr. Rafia Rafique |
| 31. | Member Pakistan Psychological Association. | Dr. Rafia Rafique |
| 32. | Member Pakistan Psychological Association. | Dr. Iram Fatima |
| 33. | Consulting editor Pakistan journal of professional psychology, research and practice published by Centre of Clinical Psychology, University of the Punjab | Dr. Iram Fatima |



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|-----|--|--------------------|
| 34. | Consulting editor International Journal of Culture and Mental Health | Dr. Iram Fatima |
| 35. | Associate editor Journal of behavioral sciences published by Institute of Applied Psychology, University of the Punjab | Dr. Iram Fatima |
| 36. | Member Pakistan Psychological Association | Dr. Fatima Kamran |
| 37. | Member Consulting editor Pakistan Journal of Professional Psychology Research and Practice | Dr. Fatima Kamran |
| 38. | Consulting Editor international journal of culture and mental health | Dr. Fatima Kamran |
| 39. | Associate Editor Journal of Behavioral Science | Dr. Fatima Kamran |
| 40. | British Psychological Society (BPS) | Dr. Fatima Kamran |
| 41. | Pakistan Association of Clinical Psychologists | Dr. Fatima Kamran |
| 42. | Member Society for Rehabilitation of Disabled Children, Jail Road Lahore | Dr. Afsheen Masood |
| 43. | Member Pakistan Psychological Association | Dr. Afsheen Masood |
| 44. | Member Pakistan Psychological Association. | Ms Afifa Anjum |
| 45. | Member Lahore HR Forum | Ms Tahira Mubashar |
| 46. | Member of FOCUS GROUP at Packages Pvt. Limited | Ms Tahira Mubashar |
| 47. | Member National Outreach Program NOP being run by LCCI | Ms Tahira Mubashar |
| 48. | Member of Pakistan Psychological Association | Ms Mujeeba Ashraf |
| 49. | Member of Pakistan Clinical Psychologist Association (PACP) | Ms Mujeeba Ashraf |
| 50. | Member of Fatimid Foundation, Lahore | Ms Shahnila Tariq |
| 51. | Member Drug Free Pakistan Foundation, Karachi | Ms Shahnila Tariq |
| 52. | Member Pink Ribbon Campaign, Lahore | Ms Shahnila Tariq |
| 53. | Member Pakistan Psychological Association, Lahore | Ms Shahnila Tariq |

Accreditation of Programs from relevant councils

Programs and Courses are accredited by Statutory Bodies of the University.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

❖ Membership of Association/ Networks

- **Dr. Khalida Khan**
 - Chairperson, UNESCO
 - CIMR, Country representative of Satoyama Initiative, Tokyo Japan.
 - Member, SAARC Academic Alliance,
 - Member, American Geophysical Union (AGU) Washington DC., USA, 2014
 - Member Geographical Society of America (GSA) Washington DC., USA, 2014
 - Moderator, National Post Doc Association, USA
 - Awarded the UNESCO-SAARC Scroll of Gratitude



- Life Membership of World Association of Soil and Water Conservation (WASWC), China.
- Member, Asia Watershed Management Network (ASIAN WATMANET), Kathmandu, Nepal,
- Member, Asian Studies on the Pacific Coast (ASPAC) University of Victoria, British Columbia
- Elected Member of the Executive Council of the Chess Federation of Pakistan
- Member of Board of Trustees by the HEAD Foundation, (Kohistan and Gilgit Baltistan Community Foundation)
- Nominated Member, EDULEARN 13 (International Conference on Education and New Learning Technologies, International Scientific Advisory Board, a consultant Body, Barcelona, Spain
- Member Asian Studies on the Pacific Coast (ASPAC) University of Victoria, British, Columbia.
- Member, Geographical Society (OGSA) Punjab University Lahore
- Member, Working Group on Forest Policy Dialogue, Peshawar,
- External Examiner for the Comprehensive Examination of M. Phil Geomatics Program Session 2012-2014 at the Institute of Geology, University of the Punjab, Lahore
- External Examiner for the Comprehensive Examination of M.Sc. in Geography program, organized by the Bahawdin Zakria University, Multan-Pakistan
- Convener Board of studies Centre for Mountain Conservation and Watershed management- Integrated Mountain Research (CIMR)
- Convener, Advisory Committee, Centre for Integrated Mountain Research, P.U.
- Member of Management Committee for Development works of Sir Syed Campus Khanaspur dated 2006 to up date
- Life time member and as Pakistan Representative for World Association of Soil and Water Conservation (WASWC), USA contributed in a number of tasks
- Member, Task Force Women Development by the Punjab Government,
- Member of Steering and Advisory Committee on Environment By the Punjab Government,
- Member of Provincial Steering Committee on Biodiversity Action Plan by the Punjab Government.
- Honorary member number of Govt. and Non- Govt. Organizations



- **Engr. Muhammad Yaseen**
 - Member, Pakistan Engineering Council, Islamabad.
 - Member, Pakistan Engineering Congress, Lahore
 - Member, The Institution of Engineers, Pakistan (IEP)
 - Member, Integrated Water Resource Management – IWRM, Water Network, Zürich Switzerland.
- ❖ **Accreditation of programmes from relevant councils**
 - All academic programs and courses offered by the CIMR are duly accredited from the relevant bodies of the University of the Punjab, Lahore-Pakistan.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Membership of Associations/ Networks

- i. Faculty Members of College of Statistical and Actuarial Sciences, University of the Punjab, Lahore are members of 'Pakistan Statistical Association'
- ii. Dr. Shahid Kamal, Prof. & Principal is the member, American Statistical Association, USA
- i. Mr. Ghulam Nabi, Lecturer is the member, Institute of Actuaries, U.K.
- ii. Mr. Ghulam Nabi, Lecturer is the member, Pakistan Society of Actuaries, Pakistan
- iii. Mr. Ghulam Nabi, Lecturer is the member, Society of Actuaries, India

Accreditation of Programmes from relevant councils

- i. All academic programs offered by College of Statistical and Actuarial Sciences, University of the Punjab, Lahore are duly accredited from the relevant bodies of Punjab University.

DEPARTMENT OF GEOGRAPHY

- **Membership of Associations/ Networks:**
- Pakistan Geographical Association
- International Geographical Union.

DEPARTMENT OF PHYSICS

- Membership of Associations/ Networks
 - i. Pakistan Institute of Physics(PIP).
 - ii Al Khawarzami Science Society, Pakistan.
- Accreditation of Programmes from relevant councils
All academic programs offered by the Department of Physics, University of the Punjab, Lahore, are duly accredited from the relevant bodies of Punjab University.

DEPARTMENT OF SPACE SCIENCE

Accreditation of Programmes from relevant councils

All academic programs offered by Department of Space Science, University of the Punjab, Lahore are duly accredited from the relevant bodies of Punjab University.



PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Accreditation of Programmes from relevant councils

NCEAC category W (for three years) awarded for the following degree programs:

- BS Computer Science
- BS Software Engineering
- BS Information Technology



Chapter

4

FACULTY DEVELOPMENT

- *Faculty Development Programmes (MS/ PhD Local + Foreign)*
- *Returned Scholars*
- *Present Scholars*
- *Pre-service and in-service Professional Development Programmes*
- *Achievements of Foreign Faculty*



CHAPTER

4

Faculty Development

Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

- Present Scholars 3

COLLEGE OF ART & DESIGN

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

Following faculty members are currently enrolled in MS/PhD local + foreign:

- Mr. Ahmad Bilal (Foreign)
- Ms. Ufaq Inam (Foreign)
- Ms. Naela Amir (Local)
- Ms. Aqsa Malik (Local)
- Ms. Arooj Rizvi (Local)
- Ms. Beenish Tahir (Local)
- Syed Farjood Rizvi (Local)
- Ms. Kehkashan Jaffri (Local)
- Mr. Nadeem Alam (Local)
- Mr. Ahsan Bilal (Local)
- Mr. Raza ur Rehman (Local)

M. Phil Professional Practice (Parallel Program) has been introduced by the Research Centre of College of Art & Design and the following faculty members are enrolled in this program:

- Mr. Amjad Pervez
- Mr. Asrar Hussain Chishti
- Mr. Muhammad Atif Amir
- Mr. Habib Alam
- Ali Azmat
- Mr. Mughees Riaz
- Mr. Arif Khan
- Tassaduq Amin
- Ms. Maimoona Rahim
- Ms. Humera Omar
- Returned Scholars



Following faculty members have completed their MS/PhD local + foreign)

- Ms. Sumera Jawad (PhD)
- Ms. Beenish Tahir (M. Phil)

DEPARTMENT OF ARCHAEOLOGY

Faculty development programmes (MS/ PhD local + foreign)

- Dr. Tauqeer Ahmad Warriach, Assistant Professor (completed Ph.D in Archaeology)
- Mr. Muhammad Hameed, Lecturer (Ph.D continue from Germany)
- Mr. Nafees Ahmad, Lecturer on Contract (completed M.Phil Archaeology)

Present Scholars

- Ms Saleha Liaquat, Lecturer on Adhoc (enrolled in M.Phil Archaeology)
- Ms Sha Bano, Lecturer on Contract (enrolled in M.Phil Archaeology)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Faculty Development Programmes (MS/PhD Local + Foreign)

Returned Scholars

- Dr. Rizwan Akhtar Ph. D from University of Essex, UK.

Present Scholars

- Khurshid Alam, Ph. D scholar at the English Department, PU.
- Ms. Mariam Zia, Ph.D in progress at University of Sussex, UK.
- Ms. Amna Umer Cheema, enrolled in Ph. D at University of Leeds, UK.

Pre-Service and In-Service Professional Development Programmes

- Postgraduate Diploma in English Language Teaching (PGD-ELT)
- Diploma in Linguistics
- Spoken English Certificate

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

Faculty development programmes (M.S/ Ph.D local +foreign)

In January, Ms. Saira Riaz attended one week Training of Trainers at Alliance Francaise de Lahore, organized by the embassy of French. The objective was to learn the skills to become paper corrector for DELF exams and also to gain expertise to train teachers for DELF exams.

DEPARTMENT OF PHILOSOPHY

- Faculty development programmes (MS/PhD local +Foreign)

MS/PhD Local

- Ms. Sehreen Far Bukhari (on study leave) Lecturer Department of Philosophy done M.Phil in 2012 from Allama Iqbal Open University, Islamabad
- Mr. Muhammad Jawwad (Assistant Professor) Department of Philosophy done M.Phil in 2014 from Philosophy Department, University of the Punjab, Lahore.



MS/PhD Foreign

I. Mr. Saad Malook (on Study Leave) Lecturer Department of Philosophy is doing his PhD from Canterbury University Christchurch, New Zealand

- Returned Scholars

No Still on Leave

- Present Scholars

- Mr. Shahid Mahmood Gul (Assistant Professor) Department of Philosophy is enrolled in Ph.D Programme in Punjab University, Lahore
- Ms. Sehreen Far Bukhari (on study leave) Lecturer Department of Philosophy enrolled in Ph.D Program (2013) in the University of Karachi, Karachi.
- Mr. Muhammad Jawwad (Assistant Professor) Department of Philosophy is enrolled in Ph.D programme (2014) in the Department of Philosophy, University of the Punjab, Lahore
- Ms. Farzeen Akram (Lecturer) Department of Philosophy is enrolled in M.Phil Programme 2012-2014 in the Department of Philosophy, University of the Punjab, Lahore
- Mr. Muhammad Rasheed Arshad (Lecturer) is enrolled in Ph.D Programme 2014 in University of Karachi, Karachi.

PAKISTAN STUDY CENTRE

- **Achievements of Foreign faculty**

Eminent scholars and academicians are invited to visit the Centre and deliver lectures on significant issues relating to Pakistan on regular basis.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

Present Scholars :

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

DEPARTMENT OF POLITICAL SCIENCE

Returned Scholars

Dr. Zille Huma returned to Pakistan after completing her Ph.D.

Present Scholars

Shabbir Ahmad Khan (Assistant Professor)

Mr. Muhammad Sajid (Assistant Professor)

Mr. S. Dayyab Ali Gillani (Lecturer)

**DEPARTMENT OF SOCIAL WORK**

- **Returned Scholar:**

Dr. Syeda Mahnaz Hasan, Assistant Professor, completed her Ph.D. from University of Sains, Malaysia has returned and joined the Department.

- **Present Scholars:**

The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of Peshawar.

| Sr. No | Name and Designation | Remarks |
|--------|--|----------------------|
| 1. | Ms. Bushra Naheed, Assistant Professor | Writing Ph.D. Thesis |
| 2. | Ms. Aliya Khalid, Assistant Professor | Writing Ph.D. Thesis |
| 3. | Ms. Raazia Hassan Naqvi, Lecturer | Writing Ph.D. Thesis |

The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of the Punjab, Lahore.

| Sr. No | Name and Designation | Remarks |
|--------|--|----------------------------|
| 1. | Ms. Sonia Omer Assistant Professor | In the first year of Ph.D. |
| 2. | Mr. Muhammad Arshad Assistant Professor | In the first year of Ph.D. |

The following faculty member is enrolled in Ph.D. Programme in foreign country.

| Sr. No | Name and Designation | Country |
|--------|---------------------------|-----------|
| 1. | Ms. Aniq Farwar, Lecturer | Australia |

INSTITUTE OF COMMUNICATION STUDIES**Returned Scholars**

Dr. Ayesha Ashfaq (Assistant Professor) completed her Ph.D from University of Sains Malaysia on Faculty Development Scholarship

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- Achievements of Foreign faculty

A foreign faculty Dr Elisabetta Lob(Assistant Professor) PhD in History from Royal Holloway University of London , remained with the institute during summer 2013 till July 2014.

Selected Publication**Dr. M. Zakria Zakar**

- PhD Dissertation 'Refugees and the Politics of the everyday state in Pakistan. Resettlement in Punjab 1947-1962'. (Book form under Contract with Rutledge)



- Paper submitted to 'History Workshop Journal' titled 'In a moment of weakness, Bureaucracy, administrative unruliness and the rehabilitation of Partition refugees in Pakistani Punjab 1947-1962'

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

Faculty Development Programs (MS / Ph.D local + foreign):

Two faculty members one (Assistant Professor) and one Lecturer pursuing their Ph.D Program in Malaysia Turkey. Last year, Mr. Ahmad Muneeb Mehta started his Ph.D. Several young faculty members have completed their MS M.Phil and some are also pursuing their MS / Ph.D Programs locally.

Returned Scholars:

As soon as our faculty members complete their Ph.D from Malaysia. They will return to Pakistan.

Present Scholars:

Two (02) Scholars are Pursuing Ph.D abroad. Last year, Mr. Ahmad Muneeb Mehta started his Ph.D.

Four (04) Scholars are pursuing their higher education locally.

Pre-Service and In-Service Professional Development Programs:

All members of the faculty have completed Faculty Development Program at University of the Punjab.

HAILEY COLLEGE OF COMMERCE

Basic Enrolment:

At the time of enrolment, our various programs are as under:

(In this respect see enclosed **Annex - "A"**).

Equity:

No discrimination is being made for enrolment in our College. At present Muslims, Hindus and Christians are also studying in our College.

Gender Wise Detail:

In this respect, see enclosed **Annex – "A"**

Employability:

Our graduates have so far been well accepted in the market in banks, corporate sector and insurance sector. We are also making efforts to increase the employability possibilities for their employment abroad. Some of them have procured jobs in Singapore, Switzerland, Middle East, South Africa etc. Our alumni hold top positions in financial sector.

Faculty Student Ratio:

Faculty – Student Ratio is: 1 (Faculty): 100 (Students)

The gap is being filled by associating part-time teachers.



Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Faculty Development programs (PhD local + foreign)

Mr. Abid Raza Khan, Ms. Kulsoom Zulfiqar and Ms. Fareena Noor Malhi are study leave to pursue Ph.D. degree in foreign countries. Mr. Abid Raza Khan will hopefully complete his degree and return to Paksitan next year.

Mr. Atif Khan Jadoon and Ms. Maria Faiq Javaid are enrolled in Ph.D Program at the Department of Economics. Presently, they are working on their dissertation.

Present Scholars

Mr. Atif Khan Jadoon and Ms. Maria Faiq Javaid

Pre-service and in-service professional development programs Lectures on Applied Econometrics by renowned scholars

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

○ Present Scholars

Syeda Hina Batool, Assistant Professor enrolled in Ph.D. programme at the University of Sheffield and got her synopsis approved by University. After that she is perusing her PhD.

Ms. Alia Arshad, Lecturer, enrolled in Ph.D. programme at DLIS, University of the Punjab and got her synopsis approved by Advanced Board of Studies w.e.f. 06/9/13.

Ms. Amara Malik, Lecturer, got enrolled in Ph.D. programme at DLIS, University of the Punjab and got her synopsis approved by Advanced Board of Studies w.e.f. 06/9/13.

○ Pre-service and in-service professional development programmes

○ Achievements of Foreign faculty

INSTITUTE OF ADMINISTRATIVE SCIENCES

- **At national level:** We have linkages with major national and multinational organizations in order to get our graduates placed in professional organizations and create internship and placement opportunities for students enrolled in different programs. In addition, IAS or its faculty have a membership of several international and national professional bodies such as American Association of Public Administration (ASPA), Academy of Management (AoM), British Academy of Management (BAM) and COBRA Network of European Group of Public Administration, Federal Public Service Commission, Civil Service and Chambers of Commerce Industry.
- **Alumni Meetings:** Our alumni body is a source of continued support for the Institute. The alumni networks that serve the leading organizations throughout the country facilitate existing students through professional interaction, internships and job placements. Alumni network reunions are regularly conducted to strengthen relationships with our stakeholders.



- **Internships:** IAS also has a very resourceful Placement office. It provided internship opportunities to Masters and BS students in various public, private and civil society organizations. Besides this, it also provides the students with career opportunities in numerous organizations.
- **Organizational Visits:** Our students regularly visit professional organizations to get an insight of their professional practices to relate theory and practice and to strengthen the organization and university linkage.
- **Examination Section:** IAS has a well-managed and active examination section, which deals with the examination for all semesters (Regular/Replica/Evening), manage result declaration, viva arrangements, issue transcripts and other studentship related letters and also deal with different organizations/banks etc for studentship verification of their employees. IAS examination section also arranges annual Convocation for the recently passed sessions.
- **Endowment Trust and Scholarships:** IAS provides credence to the deserving and qualified students by assisting them financially to live up their dreams for achieving good quality higher education. The institute has launched many scholarship and financial assistance programs based on need and merit of students. The institute ensures the provision of these services on non-discriminatory basis. A large number of IAS Alumni members contribute to these scholarships, trusts, and funds. These are as follows

| Regular Programs | Self- Supporting Program |
|------------------------------------|----------------------------|
| Merit Scholarship | Merit Scholarship |
| Needy Scholarship | Student Welfare Fund |
| HEC Need Based Scholarship | HEC Need based Scholarship |
| Somitomo Scholarship | PEEF Scholarship |
| PEEF Scholarship | Dr. Afzal Endowment Trust |
| Friends Education Fund | |
| Regional and District Scholarships | |
| Prof. Dr. Masood Aslam Scholarship | |

- **Gold Medal:** IAS honors first position holders(s) of all the BS (Hons.) Management program with **Prof. Dr. A.R. Jafri Gold Medal**. Besides this, **Prof. Dr. Muhammad Afzal Gold Medal** is given to the position holder(s) of Master of Human Resource Management program. IAS also honors first position holder(s) of Master of Public Administration (18 years) program with 3 Gold Medals which are: **Mirza Book Agency Gold Medal, University Gold Medal** and **Shaikh Laique Ali Gold Medal**.
- **Sports and Youth Forum:** IAS also focuses upon the physical and professional development of the student. It arranges annual Sports Gala, Youth Forum and extra-curricular activities and



encourages students to participate in such activities. The institute shall arrange its Sports Festival and Youth Forum for the year 2015 from 2nd to 6th of March, 2015.

- **Strengthening Physical and Technological Infrastructure:-**

With the objective of making students well versed in usage of information technology and to enhance their computer literacy skills, IAS has well equipped computer laboratories which cover an area of 4800 square feet. IAS has two well-equipped computer laboratories offering state of the art networking and IT facilities. These labs are equipped with 250 computers with latest softwares like MS Office, SPSS, Corel Draw, Adobe etc. A strong anti-virus software named ESCAN is installed to prevent viruses from attacking the systems. Instructions/guidelines for the users regarding safety regulations or alike have been displayed on the lab notice boards. Also we equip our students with the usage of IT by offering multiple courses throughout their stay at IAS. To enhance the research capacity of scholars, workshops for the use of research softwares for both quantitative and qualitative analysis are also offered on regular basis. In addition, our website is fully functional and updated regularly for on line information and services. It can be reached at: ias.pu.edu.pk

INSTITUTE OF BUSINESS ADMINISTRATION

- **Present Scholars**

Ms. Labiba Sheikh, Assistant Professor is pursuing her Ph.D from Institute of Administrative Sciences, University of the Punjab, Lahore.

Mr. Waseem Subhani, Assistant Professor is pursuing his Ph.D from University of Central Punjab, Lahore.

Ms. Naseem Bukhari, Assistant Professor is pursuing her Ph.D from International Centre for Education in Islamic Finance (INCEIF), Malaysia.

Ms. Rafia Faiz, Lecturer is pursuing her Ph.D from University of Hertfordshire, Hatfield, UK.

Mr. Zeshan Ahmer, Lecturer is pursuing his Ph.D from University of Hertfordshire, Hatfield, UK.

Ms. Wajiha Kazim, Lecturer is pursuing her Ph.D from Institute of Administrative Sciences, University of the Punjab, Lahore.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

Faculty Development

- a. For the year 2013-14, no HEC scholarships have been awarded to faculty members. Similarly, No other scholarships and post-doctorate availed by the faculty members. This year, no foreign faculty has visited or given guest lectures at IBIT.
- b. Returned Scholars: No
- c. Present Scholars: 11.



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Faculty Development Programmes (MS/Ph.D. Local + foreign)

- Mrs. Ghulam Fatima, Lecturer registered in Ph.D. Program in IER, University of the Punjab, Lahore.
- Mr. Munawar Ahmed Malik, Assistant Professor registered in Ph.D. Program University of Al-Khair, Islamabad.
- Mrs. Maria Sohaib Qureshi, Lecturer submitted Ph.D. thesis in University of Glasgow, London UK and joined the department.

Returned Scholars

Dr. Faisal Anis and Dr. Nadeem Iqbal

Present Scholars

Muhammad Saeed, Farah Zeba, Nadia Sharif, Asma Azeem, Shumaila Badar, Sabiha Majeed, Sobia Asif, Ghulam Haider, Tariq Nadeem Khan, Muhammad Zahid, Ibtasam Khalid, Muhammad Javed Aftab, Abid Hussain, Sajida Mahjabeen 15 students are pursuing their M.Phil and Ph.D. studies.

Pre-service and in-service professional development programmes

Department organized and Faculty delivered lectures in Pre-service and in-service Training College, Directorate of Special Education, Government of the Punjab, Lahore. Organize training workshop for in-service teachers in Directorate of Staff Development, Punjab, Lahore.

Pre-Service and in-service professional development programmes

Department organized and Faculty delivered lectures in Pre-Service and in-service Training College, Directorate of Special Education, Government of the Punjab, Lahore. Organize training workshop for in-service teacher in Directorate of Staff Development, Punjab, Lahore.

INSTITUTE OF EDUCATION & RESEARCH

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

Ph.D Completed (Local)

- 1 Dr. Mubashira Khatoon Completed her Ph.D from Punjab University on 25-07-2014
- 2 Dr. Tariq Hussain Completed his Ph.D from University of the Punjab on 27-12-2013
- 3 Dr. Aroona Hashmi Completed her Ph.D from University of the Punjab on 27-12-2013

Present Scholars

The following faculty members of IER have been awarded scholarship/Secured Admission to pursue their doctoral studies in the different countries of the world. They have won this scholarship through open and intense competition.



Mr. Ahmad Sohail Lodhi, Lecturers of IER have been awarded Higher Education Commission Overseas Scholarship under Faculty Development Programme for M.Phil leading to Ph.D at the University of Leeds, United Kingdom.

Mrs. Sadaf Rauf, Lecturer, Department of English Language Teaching & Linguistics has availed Ph.D. scholarship from Pre-STEP scholarship under USAID program for 2 years at the University of Minnesota, USA.

Mr. Zia ud Din Bashir, Lecturer of IER have been awarded a Ph.D Scholarship from USAID (training for Pakistan) at Howard University, USA.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Faculty Development Programs (MS/Ph. D. local + foreign): Yes

Present Scholars: One lecturer is pursuing his Ph.D. studies in Australia.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

1. Faculty development Programmes (MS/PhD local + foreign) (for the year 2012-13)

- No faculty development programme is in progress

2. Returned Scholars

- We have just developed and started our programme. Still no permanent faculty has been given to the department. Therefore no any scholar is on Ph.D regarding faculty development programme

3. Present Scholars

03 lecturers serving on contracts basis are enrolled in PhD.

4. Pre-service and in-service professional development programmes

- No permanent programme has been launched for professional development how ever department always encouraged if there are some courses launched at any level our faculty should attend. One of such course attended
- In Service Faculty Training programme at University of the Punjab, for te core modules: professional Ethics, Management & Grooming: Assessment & Evaluation; Department of Microbiology and Molecular Genetics in collaboration with Learning Innovation Division HEC Pakistan Feb 4-8, 2013

5. Achievements of Foreign Faculty

Chairman, Professor Dr. Tahir Jamil is serving on foreign faculty in department. His major achievements are following:



- In 2006 Prof. Dr. Tahir Jamil was given responsibilities to initiate a project for establishment of research group by funding from HEC. This project was a scientific project and was completed in consent of its scientific completions before its time period.
- In 2007 Prof. Dr. Tahir Jamil was awarded with a mega project of “Establishment of Research Laboratories for Polymers Synthesis, Characterization, Rheology and Processing” by HEC. This Project was of worth 38.784 Mill Rs. This project is successfully completed and we have submitted PCIV for that project as well. Four high class research laboratories are established in this project with both facilities of synthesis and characterization.
- Project workings and completion itself indicate the success and workings of Polymer Team and intentions of Prof. Dr. Tahir Jamil for Establishments of Polymer Research Labs. Due to this Prof. Dr. Mujahid Kamran worthy Vice Chancellor University of the Punjab honoured Prof. Dr. Tahir Jamil to command Department of Polymer Engineering & Technology and he was selected to be the Chairman of the department.
- In 2009 in view of continual success and workings of Department of Polymer Engineering & Technology HEC awarded another mega project of 5.785 Mill Rs for “Establishment of Industrial Research labs for Polymer and Material Synthesis”. This Project is still in process. More than 75% of project is completed in terms of establishment. Laboratories are constructed and all the instruments are purchased and installed.
- In addition of the projects Prof. Dr. Tahir Jamil played an active role for launching of the M.Phil Polymer Technology Programme. This is interdisciplinary programme and his vision was to bring people from different subjects of science and engineering to bring at one broad platform to work for polymer and material engineering. Due to his effort third batch of M.Phil Polymer Technology has been launched.
- He is also planning to start Ph.D Polymer Engineering & Technology. The course has been approved from departmental board of studies and case is now submitted in board of faculty
- Pro. Dr. Tahir Jamil also on vision to start B.Sc Polymer Engineering programme
- Recently Prof. Dr. Tahir Jamil submitted two mega projects. One to HEC and one for JICA. These two projects are in vision to cover all ranges of instruments for graduate and undergraduate, masters, and doctorate and post doctorate labs.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Faculty Development programs (MS/PhD Local + Foreign)

Currently three faculty members are pursuing their PhDs. Two faculty members are enrolled in the MS. Chemical Engg. from ICET, Punjab University and will finish their degree within one year.

Returned Scholars

One PhD scholars is returned in this year after completing her degree. The scholar was funded by the University of the Punjab.



Present Scholars

Three faculty members are enrolled in PhD studies at different universities in foreign universities, out of which one is getting Faculty development scholarship awarded by Punjab University and other two got their PhD grants from foreign universities.

Pre-service and in-service professional development program

The fresh appointee faculty members are nominated to attend a one-month faculty development program conducted by the University of the Punjab.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Faculty Development Programmes (MS/PhD local + foreign).

- Three faculty members of this Institute are working for their Ph.D. degrees in reputed, American, Australian and Malaysian Universities.
- **Dr. M. Usman Awan, Assistant Professor IQTM**
 - 2 days training imparted by National Business Education Accreditation Council (NBEAC) in Lahore from 21 to 22 August, 2014.
 - 5 days training organized by University of the Punjab at IAS, Dec 1-5.
 - Presented Research Paper to the faculty of University of Wollongong Dubai UAE, April 20-21. Title of Presentation "Recent Trends in TQM research".
- **Mr. Zahid Abbass Shah, Lecturer IQTM**
 - ISO 9001:2008 Lead Auditor Course from 04-08 August 2014.

Returned Scholars

Dr. Ayyaz Ahmad rejoined Institute on 2nd December, 2013 after completing his PhD.

OFFICE OF RESOURCE, INNOVATION & COMMERCIALIZATION (ORIC)

- ❖ Establishment of ORIC
 - Research Office was established at University of the Punjab from last three decades. In advise and 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.
- ❖ 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.

❖ Activities



3rd Two days Invention to Innovation Summit held on 19-20th March 2014

ORIC will promote the development of public-private partnerships:-

The main premise of ORIC are:-

- Identify research grant opportunities for faculty to apply.
- Facilitate faculty to apply for research grants.
- Research administration, budgeting and auditing.
- Accounting and human resources management.
- Maintenance of facilities and equipment.
- Implementation of research contracts and human resources.
- Legal, administrative and financial management support of research grants.
- Increase funding for research from all public and private sources.
- Establish and maintain excellent relationships with donors and stakeholders.
- Oversee proposal development and submission.
- Support commercialization, licensing, etc of University research products.



ORIC, Punjab University has played its role in collaborating with various private and government sector organizations to meet one of its prime objectives i.e. building up a strong University-Industry linkage.

- ORIC is actively working with Engineering, Development Board (EDB), Govt. of Pakistan and conducted few sessions with Pakistan EDB Pakistan along with their industrial concerns for finding workable solutions for industrial problems. In this context, meeting with the directors of Khawaja Electronics, Mughal Steel, Fibre Craft Industries, Safco Scon (Pvt) Limited was held at Institute of Chemical Engg. & Tech (ICE&T). The faculty of Institute of chemical Engg. & Tech and dept. of Metallurgy and Material Sciences proposed workable solutions.
- A meeting of EDB and faculty members of ICE &T along with Director of Centre for Coal Technology, Punjab University was held at ICET to explore the opportunities for having small scale Coal Gasification Units as an alternate energy resource. The Director, Centre for Coal Technology promised to provide full support and assistance to EDB in this regard.
- ORIC is also working with institute of Research Promotions (IRP) and has successfully conducted two Invention to Innovation summit in the last two years. ORIC and IRP are now working very closely on a number of industrial related problems and in this context, several meetings with various industrial concerns have been conducted. A meeting with technical Manager of Shafi Reso Chem Industries and former director of Institute of Geology, Punjab University, Prof. Dr. Shafeeq Ahmad was held at ICE&T to develop a pilot scale plant for the processing of chromite ore available in Pakistan.
- ORIC arranged a meeting of members of ICET with Director of Noon Sugar Mill for their interest to produce useful products from the waste water coming out after processing of sugar cane. It was decided that a team of faculty members of ICE&T would visit the Noon Sugar Mill to propose the workable solution for this problem.
- ORIC and IRP arranged a “Thesis Fair” for students of M.Sc. (Engg.) of Institute of Chemical Engg. & Tech. on 26th June. 2013. Ms. Nabeela Intisar (Head, Chemical Committee, LCCI). R&D Managers from Shafi Reso Chem, Schazo Pharma, key and Emms, Moderno Fabrics, Eco-Gen Energies, Valeed Chemicals and Faculty members of Institute of Chemical Engg. & Tech. were also present at this occasion. The honorable delegates from industry has provided a list of industry driven research projects of commercial value and agreed to finance in terms of paying monthly stipend to students and remuneration for faculty members n completion of their research projects.
- ORIC has also facilitated in signing an agreement between Department of Metallurgy and Materials Engineering, Punjab University and Shafi Reso Chem, for the development of “Welding Powder”.



- ORIC arranged a meeting of Mr. Rashid Govt. College University with Centre for Solid State Physics and School of Physical Sciences for testing of leather samples.
- ORIC arranged a visit of Mr. Naveed from shafi Reso Chem to Department of Geology, Punjab University for Chromite ORE testing.
- ORIC and Institute of chemical Engineering & Technology (ICET) are working very closely with Brighto Paints and conducted various tests for samples sent by Brighto Paints at very nominal charges.

❖ 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.
 - Coordinate 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.
- ORIC website has been prepared and from time to time it is been updated to add the products to be commercialized. The main products of ORIC to be commercialized are Aloe vera Jel, Aloe vera Juice, Detergent, Surf, Shampoo, Cosmetics, Honey, Flowers extract, perfumes and many more products are in process to be commercialized. The faculty of the Punjab University is encouraged to produce different products and get them displayed on the OIRC, University of the Punjab website for advertisement and community to come and get consultancy with regard to these products at very nominal price.

1- Conference organized

One day Training workshop on 23rd January, 2014 entitled “Technical Lecture on Biogas Plant” held in the Centre for Undergraduate Studies, University of the Punjab and organized by School of Physical Sciences (SPS) and ORIC office , University of the Punjab, Lahore.



Two days “3rd Invention to Invocation Summit-2014” held at Centre for Undergraduate Studies, University of the Punjab, Lahore on 19-20th March, 2014 and organized by IRP, PSF, PASTIC & ORIC University of the Punjab, Lahore.

Three day Training workshop on 31th March, 2014 entitled “Training of CHNS Instrument” held in the Research Lab of School of Physical Sciences (SPS) at Centre for Undergraduate Studies, University of the Punjab and organized by ORIC & SPS, University of the Punjab, Lahore.

Two day training workshop on awareness/Training from 25-26th June, 2014 entitled “Introduction to quality management system principles, ISO 9001: 2008 and its requirement” held in the Centre for Undergraduate Studies, University of the Punjab and organized by ORIC office, University of the Punjab, Lahore.

2- Training Workshops

One day Training workshop on 23rd January, 2014 entitled “Technical Lecture on Biogas Plant” held in the Centre for Undergraduate Studies, University of the Punjab and organized by School of Physical Sciences (SPS) and ORIC office , University of the Punjab, Lahore.

Two days “3rd Invention to Invocation Summit-2014” held at Centre for Undergraduate Studies, University of the Punjab, Lahore on 19-20th March, 2014 and organized by IRP, PSF, PASTIC & ORIC University of the Punjab, Lahore.

Three day Training workshop on 31th March, 2014 entitled “Training of CHNS Instrument” held in the Research Lab of School of Physical Sciences (SPS) at Centre for Undergraduate Studies, University of the Punjab and organized by ORIC & SPS, University of the Punjab, Lahore.

Two day training workshop on awareness/Training from 25-26th June, 2014 entitled “Introduction to quality management system principles, ISO 9001: 2008 and its requirement” held in the Centre for Undergraduate Studies, University of the Punjab and organized by ORIC office, University of the Punjab, Lahore.

3- Invention to Innovation Summit

ORIC successfully organized 3rd Invention to Innovation Summit 2014.

4- Business Incubation Centre

A BIC is established where at present; three private organizations are working and sharing their income with Punjab University.

5- Showcase for University Products

A showcase for the display of products / projects developed by faculty members / researchers is available.

6- University Industry Linkages

A number of MOUs are signed with our industrial partners to carry out need based research.



Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

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

Hafiz Muhammad Usman, Lecturer is in process of completing his Ph.D. in Islamic Studies from International Islamic University, Malaysia.

- Present Scholars: **(Mr. Usman Ahamad)**

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

Pre-service and in-service development programmes

1. Dr. Muhammad Arshad (Chief Editor/Professor);
2. Dr. Hafsa Nasreen (Senior Editor/Assistant Professro);
3. Dr. Zahira Nisar (Senior Editor/Assistant Professor)

Attended and participated in the following workshops and courses:

1. Three-days (13-15 May 2014) workshop on Technical Editing, conducted by Dr. Muhammad Khalid Masud, Former Director, International Institute for the Study of Islam in the Modern World, Leiden, Netherland; Convened by the Deptt. of Urdu Encyclopaedia of Islam.
2. One-day (16 May 2014) workshop on Writing articles for Urdu Encyclopaedia of Islam, conducted by Dr. Muhammad Tufail Hashmi, Former Dean of the Faculty of Islamic Studies and Arabic, Allama Iqbal Open University, Islamabad; Convened by the Deptt. of Urdu Encyclopaedia of Islam.
3. Turkish Language Course (Elementry), March-April 2014, conducted by Dr. Durmus Bulgur, Professor Rumi Chair, University of the Punjab; Convened by the Deptt. of Urdu Encyclopaedia of Islam.
4. Intensive Persian Language Course for the Faculty, April-June 2014, conducted by Dr. Moeen Nizami, Dr. Muhammad Nasir and Dr. Muhammad Shoaib, Department of Persian, University of the Punjab; Convened by the Deptt. of Urdu Encyclopaedia of Islam.
5. Intensive Arabic Language Course for the Faculty, August-September 2014, Conducted by Dr. Hamid Ashraf Hamdani, Department of Arabic, University of the Punjab; Convened by the Deptt. of Urdu Encyclopaedia of Islam.

SHEIKH ZAYED ISLAMIC CENTRE

Faculty development programmes (MS/ PhD local + foreign)

All the faculty members of the Centre are Ph.D.



Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- Faculty development programmes (MS/PhD local + foreign)
- Pre-Service and in-Service professional development programmes
- Achievement of Foreign faculty

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Faculty development programmes (MS/PhD local + foreign)

All three lecturers registered for Ph.Ds

1 faculty members is doing her Ph.D. at the Centre for Clinical Psychology and 2 faculty members are doing their Ph.D. at Department of Applied Psychology, University of the Punjab, Lahore.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Faculty Development Programs (MS/ PhD Local + Foreign):

Faculty of the Centre is encouraged for higher studies. At present two faculty members are enrolled in Ph.D and one in M.Phil. Faculty members attended the regular courses at the Centre. After completion of course work they are assigned a research programme in their relevant field.

Returned Scholars

Two faculty members completed their M. Phil and join their duties.

| Sr. # | Names |
|-------|-------------------|
| 1 | Ms. Sana Gull |
| 2 | Ms. Aneela Yasmin |

Present Scholars:

Presently total ten faculty members are enrolled in Ph.D and three are enrolled in M. Phil.

Ph.D Faculty Members:

| Sr. # | Ph. D. |
|-------|-----------------|
| 1 | Ms. Bushra Ijaz |
| 2 | Ms. Sameera |
| 3 | Mr. Shafique |
| 4 | Mr. Munim |
| 5 | Ms. Mariam |



| | |
|----|-------------------|
| 6 | Ms. Zahida Qamar |
| 7 | Ms. Naila Shahid |
| 8 | Ms. Fatima Batool |
| 9 | Ms. Ayesha Latif |
| 10 | Mr. M. Shahid |

M. Phil Faculty Members:

| Sr. # | M. Phil |
|-------|------------------|
| 1 | Ms. Maria Tayyab |
| 2 | Mr. Islam Khan |
| 3 | Ms. Samra Kousar |

Pre-Service and in-Service Professional Development Programmes:

Faculty members are encouraged to attend different training courses / workshops symposia at national and international level. Detail is given below

- Prof. Dr. Tayyab Husnain was Awarded Gold Medal on April 17, 2014 by Mahnama Kisan-wing in lieu of best performance in Research of concerned area.
- Dr. Abdul Qayyum Rao Awarded Gold Medal on April 17, 2014 by Mahnama Kisan-wing in lieu of best performance in Research of concerned area.
- Dr. Abdul Qayyum Rao was invited Speaker in seminar on Transgenic Plants in perspectives of Microbiological Applications sponsored by the Department of Botany, Lahore College for Women University (LCWU) and the American Society for Microbiology (ASM). 25th February 2014
- Dr. Abdul Qayyum Rao was invited Speaker in 1st international Conference on Applied Chemical Biological and Aquatic Sciences 18-20 February 2014.
- Shahid A. A First International Conference on Applied Chemical, Biological and Aquatic Sciences (ICACBAS 2014), GC University, Faisalabad (February 18-20, 2014).
- Shahid A. A International Conference on Stress Biology and Biotechnology: Challenges & Management, Institute of Agricultural Sciences, University of Punjab, Lahore, (May, 21-23, 2014).
- Shahid A. A Workshop on Biosafety and Risk Assessment, organized by Biosafety and Bio-resource Committee, University of the Punjab, Lahore, (April 19, 2014).
- Dr. Idrees Ahmad Nasir was granted Performance Evaluation Award-2013 by the Vice Chancellor, University of the Punjab, Lahore, Pakistan.
- Prof. Dr. Tayyab Husnain attended “Biotechnology Cluster” symposia. FC College University, Lahore Pakistan 2014.
- Prof. Dr. Tayyab Husnain attended the “The Development and Testing of Transgenic for Cotton Leaf Curl Virus (CLCuV) Disease Resistance” by Pak-US Cotton Productivity Enhancement Program of ICARDA, March 18-19, 2014.



- Dr. Idrees Ahmad Nasir attended “Biotechnology Cluster” symposia. FC College University, Lahore Pakistan 2014.
- Dr. Idrees Ahmad Nasir attended the “The Development and Testing of Transgenic for Cotton Leaf Curl Virus (CLCuV) Disease Resistance” by Pak-US Cotton Productivity Enhancement Program of ICARDA, March 18-19, 2014.
- Dr. M Idrees attended “Software & hardware training on SaCycler newly developed State-of-the-art Real-Time PCR”-April 11-15, 2013-Como-Italy
- Dr. M Idrees Technical training on Automated Nucleic Acid Extraction System-Magnesia® Real-time PCR System-April 09-10, 2013 Anatolia geneworks Istanbul-Turkey.
- Dr. M Idrees participated in 37th Annual Conference of Pakistan Association of Pathologist/2nd Joint Conference of Societies of Pathology held at Pearl Continental Hotel, Lahore from 20th-22nd December, 2013.
- Dr. M Idrees attended, 37th annual conference of the Pakistan Association of Pathologists/2nd Joint Conference of the Societies of Pathology is being held in Lahore from the 20th to the 22nd of December 2013.
- Dr. M Idrees attended 11th Biennial Conference Molecular Biosciences Challenges and Opportunities November 25–28, 2013. University of the Punjab Lahore-Pakistan.
- Mr. Shafique attended International symposium on Molecular Forensic: Emerging Trends (UHS); May29, 2014.
- Ms. Samra Kousar attended 3rd Invention to Innovation Summit 2014 on “Technologies having potential for Commercialization” from March 19-20, 2014 held at University of The Punjab, Lahore
- Ms. Samra Kousar attended International Training Workshop on Microarray for Gene Expression from April, 22-25-2014 held at Centre of Excellence in Molecular Biology (CEMB), Lahore
- Ms. Samra Kousar attended International Symposium on Molecular Forensic: Emerging Trends May,29-,2014 held at University of Health Sciences, Lahore
- Dr. Azra Mehmood Presentations at 11th Biennial Conference Molecular Biosciences – Challenges and Opportunities (November 25 – 28, 2013) at the University of the Punjab, Lahore.
- Dr. Azra Mehmood attended 7th Reconstructive Microsurgery Course and Burn Symposium (Nov. 4th-8th, 2013) held at Jinnah Burn and Reconstructive Surgery Centre, Lahore.
- Dr. Azra Mehmood give Oral presentation at 4th International Symposium cum-Training course on Molecular Medicine and Drug Research, HEJ, University of Karachi, (January 7-10, 2013), Karachi.

DEPARTMENT OF BOTANY

Faculty development programmes (MS/ PhD local + foreign)

There is no Foreign Faculty member in the Department



| Sr. No. | Name of Faculty | PhD local | PhD foreign |
|---------|------------------------------------|-----------|-------------|
| 1. | Prof. Dr. Muhammad Saleem | -- | U.K |
| 2. | Prof. (Emeritus) Dr. S.R.A. Shamsi | -- | U.K |
| 3. | Prof. (Emeritus) Dr. Javed Iqbal | Pakistan | -- |
| 4. | Prof. Dr. Faheem Aftab | Pakistan | -- |
| 5. | Dr. Abdul Nasir Khalid | Pakistan | -- |
| 6. | Dr. Humera Afrasiab | Pakistan | -- |
| 7. | Dr. Farkhanda Jabeen | Pakistan | -- |
| 8. | Dr. Shakil Ahmad | Pakistan | -- |
| 9. | Dr. Asad Shabbir | Pakistan | -- |
| 10. | Dr. Farhat Rass Masood | Pakistan | -- |
| 11. | Dr. Ambreen Ahmed | Pakistan | -- |
| 12. | Dr. Asma Zulfiqar | Pakistan | -- |
| 13. | Dr. Abdul Rehman Khan Niazi | Pakistan | -- |
| 14. | Dr. Sheza Ayaz Khilji | Pakistan | -- |
| 15. | Dr. Zahoor Ahmad Sajid | Pakistan | -- |

Present Scholars

In the reporting period 20 students were enrolled in local M.Phil/MS program, while 33 scholars were working on their PhD dissertations.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ Faculty development programmes (MS/PhD local+foreign)

1. Mr Numan Javed, Lecturer is in China for his PhD studies.
2. Dr. Abdul Rehman, Assistant Professor, completed post doc in Washington State University, USA.

○ Returned Scholars

1. Ms Humaira Yasmeen (PhD Scholar), visited UK for six month under HEC International Research Support Initiative Program (IRSIP).
2. Ms Sajida Munir (PhD Scholar), visited Australia for six month under HEC International Research Support Initiative Program (IRSIP).
3. Ms. Maimoona Chaudhary visited Department of human genetics, University of Pittssburgh, USA, under HEC IRSIP Scholarship.
4. Ms. Rabia Tanveer (PhD Scholar), visited Institute of Chemistry, University of Tubingen, Germany under HEC IRSIP Scholarship.
5. Mr. Usman Aftab (PhD Scholar) visited Queens University, Canada, under HEC IRSIP Scholarship.



6. Mr. Muhammad Yasin (PhD Scholar) visited Department of Biology, Colorado State University, Fort Collins, Colorado 80523-1878, USA under HEC IRSIP Scholarship.

○ **Present Scholars**

1. Mr Arsalan Sarwar (PhD Scholar), is in Spain.
2. Mr Ghulam Murtaza (PhD Scholar), is in Australia for six month under HEC International Research Support Initiative Program (IRSIP).

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- Faculty development programmes (MS/ PhD local + foreign) (for the year 2013-14)
- Two faculty members completed their course work of Ph D in Department of Sport Sciences & Physical Education.

DEPARTMENT OF ZOOLOGY

Present Scholars

| Sr. No. | R.# | Name of Candidate |
|---------|---------|-----------------------|
| 1 | ZP14-01 | Sadaf Ilyas |
| 2 | ZP14-02 | Samina Ashraf |
| 3 | ZP14-03 | Kiran Shazadi |
| 4 | ZP14-04 | Nimra |
| 5 | ZP14-05 | Tahira Batool |
| 6 | ZP14-06 | Farah Deeba |
| 7 | ZP14-07 | Muhammad Faizan Naeem |
| 8 | ZP14-08 | Rabia Mumtaz |
| 9 | ZP14-09 | Fatima Yousaf Dar |
| 10 | ZP14-10 | Ayesha Zafar |
| 11 | ZP14-11 | Sehrash Akram |
| 12 | ZP14-12 | Sana Safdar |
| 13 | ZP14-13 | Syeda Anam Qamar |
| 14 | ZP14-14 | Ayesha Ghauri |
| 15 | ZP14-15 | Rabia Rafique |
| 16 | ZP14-16 | Umar Nazir |
| 17 | ZP14-17 | Zakiya Javed |
| 18 | ZP14-18 | Shahid Sher Zada |
| 19 | ZP14-19 | Ayesha Rehman |
| 20 | ZP14-20 | Afsheen Munawar Butt |
| 21 | ZP14-21 | Sobia Alyas |



| | | |
|----|---------|---------------------------|
| 22 | ZP14-22 | Saadia Tabassum |
| 23 | ZP14-23 | Muhammad Zakara Rouf Butt |
| 24 | ZP14-24 | Shahzad Waheed |
| 25 | ZP14-25 | Hafiza Samra Ambreen |

M.S Students

| Sr. No. | Roll No. | Name |
|---------|------------|------------------------|
| 1 | ZMS14-01 | Sundas Akram |
| 2 | ZMS14-02 | Ayesha Shahid |
| 3 | ZMS14-03 | Nida Amin |
| 4 | ZMS 1 4-04 | Aasiya Anjum |
| 5 | ZMS14-05 | Hiba Nazir |
| 6 | ZMS14-06 | Nida Nawaz Khan |
| 7 | ZMS14-07 | Komal Abdul Haq |
| 8 | ZMS14-08 | Sidra Karim |
| 9 | ZMS14-09 | Aayza Nemat |
| 10 | ZMS14-10 | Sidra Nawaz |
| 11 | ZMS14-11 | Shakira Shakeel |
| 12 | ZMS14-12 | Javeria Malik |
| 13 | ZMS14-13 | Syeda Khadija Sikander |
| 14 | ZMS14-14 | Huma Zahra |
| 15 | ZMS14-15 | Saima Mukhtar |

M.Phil Students

| Sr. No. | Roll No. | Name |
|---------|----------|--------------------|
| 1 | ZMP14-01 | Anam Arooj |
| 2 | ZMPI4-02 | Mubashir Ahmad |
| 3 | ZMP14-03 | Qurat Ul Ain |
| 4 | ZMP14-04 | Kiran Shafiq Ahmed |
| 5 | ZMP14-05 | Adeela Kanwal |
| 6 | ZMP14-06 | Ambreen Asghar |
| 7 | ZMP14-07 | Iqra Ishfaq |
| 8 | ZMP14-08 | Rashida |
| 9 | ZMp14-09 | Amaila Aktnal |
| 10 | ZMP14-10 | Humaira Amanat |
| 11 | ZMP14-11 | Khalida Kousar |
| 12 | ZMP14-12 | Ammara Nawaz |
| 13 | ZMP14-13 | Naeem Haider |



| | | |
|----|----------|----------------|
| 14 | ZMP14-14 | Aamna Murtaza |
| 15 | ZMP14-15 | Mohsin Munawar |

M.Sc. Self-Supporting Program: Due to increasing demand of the graduates in life-sciences and for those deserving students who could not get admission in the morning class, M.Sc. evening program was launched as a Replica program. The courses of study are exactly similar as morning classes and other rules/ regulation applicable to morning classes will also be applicable to evening classes. This class also accommodates the in-service persons who could attend morning the classes. However, only those students are admitted in the evening class who fulfill the normal prerequisites for M.Sc. morning class, The total dues for 2 year degree are Rs.175,000.

In-Service Ph.D. Program: The Department of Zoology stands amongst those departments / institutes of the University of the Punjab, which have been producing maximum number of Ph.Ds. One hundred twenty three (123) Ph.D. degrees have been awarded by this Department upto June 2010. Since 2001 Higher Education Commission (HEC) approved regular Ph.D. Program has been started which has replaced the previous program. The theses are evaluated by experts from technologically advanced countries for the award of degree. Following registration, by the Board of Advanced Studies and Research of the university, the scholars were required to carry out research under the supervision of their respective supervisors. The candidates may conduct their research work in laboratories of other research development organizations. Infact, many scientists working in National and International Organizations had been registered in this way. After working out the research problem, under expert supervision, the research dissertations are submitted for evaluation. M.S./M.Phil. with 3.0 CGPA is one of the prerequisites for admission to this program along with several others. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examinations before commencement of Ph.D. research project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years. The University of the Punjab allowed this program from June 2010 for employers of the R & D organization and college teachers. The term & conditions for this program are exactly same as for regular Ph.D. Program except that the course work will be conducted during summer holidays maximum 12 credit hours each year. The candidate may carry out their research at their respective organization with monitoring system arranged by the University as per HEC criteria.

INSTITUTE OF AGRICULTURAL SCIENCES

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

Two Lecturers are presently in foreign countries for their Ph.D. studies under faculty development program.

- **Returned Scholars**

Two faculty members, Dr. Asad Shabbir and Dr. Naureen Akhtar, have returned and joined the Institute in August 2012 after completion of their Ph.D. degrees from foreign country under faculty development program.

INSTITUTE OF APPLIED PSYCHOLOGY

Faculty development programmes (MS/ PhD local + foreign)

Returned Scholars



Dr. Saima Ghazal, Ph.D, Department of Cognitive and Learning Sciences, Michigan Technological University, Houghton, Michigan.

Present Scholars

1. Ms. Shazia Khalid, Ph.D Scholar Distance and Online Learning Program in Texila American University, Guyana, South America.
2. Ms. Mujeeba Ashraf, PhD Scholar at Department of Psychology, St. Andrews University, Scotland, UK.
3. Ms. Afifa Anjum, Ph.D Scholar at Institute of Applied Psychology, University of the Punjab, Lahore.
4. Ms. Omama Tariq Ph.D Scholar at University of Brighton, UK.
5. Ms. Tahira Mubashar, MS Scholar Organizational Psychology, Psychology Department, Governmental College University, Lahore.

Pre-service and in-service professional development programs

Achievements of Foreign faculty

SCHOOL OF BIOLOGICAL SCIENCES

1. Most of the faculty members are highly qualified and experienced researchers. They continued with their usual research activities and collaboration with laboratories in foreign Universities (Massachussets, Cornell, UCL, Davis and NIH – Bethesda in USA, Sugarcane Research Unit, Houma, LA, USA, Wales, and Southampton in UK and Kyoto in Japan).
2. The School receives foreign faculty members for shorter period of time, who are actively involved in teaching of a particular course and or help in Ph.D. research projects of the students who are working in their areas of expertise. During the year under report following scientists from abroad visited School of Biological Sciences
3. Dr. Muzaffar Iqbal of Calzymes, California, USA visited the School for a period of 8 weeks and conducted a course on Preparative Enzymology.

Faculty of Oriental Learning

DEPARTMENT OF HINDI LANGUAGE

Hindi department has implemented the Campus Management Solution for managing student's enrollment and examinations. A Junior Clerk has been deputed to work on this task.

DEPARTMENT OF IQBAL STUDIES

- o Faculty development programmes (MS/ PhD local +foreign) (for the year 2013-14)
- o Returned Scholars
- o Present Scholars
- o Pre-service and in-service professional development programmes
- o Achievements of Foreign faculty



DEPARTMENT OF MOSQUES

- With the increase in electricity load-shedding hours, the department purchased an Uninterrupted Power Supply (UPS) for main office for day-to-day smooth functioning.
- To improve the sound of Azan and Friday sermon, speaker system at Islamic Centre mosque was upgraded.
- Keeping in view the increasing number of prayerers and to facilitate them, the department purchased and installed one new air-conditioner (AC), having capacity of two ton, in the mosque of Admin Block and two new air-conditioners (ACs), having capacity of two ton each, in the mosque of E-Block. Furthermore, with the increase in scorching heat, the department installed tarpals in the courtyard of the Admin Block and E-Block mosques.

DEPARTMENT OF PERSIAN

- Faculty Development Programs (MS/PhD Local/Foreign) 2013-14
- Returned Scholars
- Present Scholars
- Pre-Service and in-service Professional Development Programs
- Achievements of Foreign Faculty

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

- **Faculty development programmes (MS/ PhD local + foreign)**
The University College of Pharmacy has continue the faculty development program at the College level.
The University of the Punjab, Lahore is sponsoring 3 Faculty members for Foreign PhD program.
- Present Scholars
Three (3)

Faculty of Sciences

CENTRE FOR HIGH ENERGY PHYSICS

- Returned Scholars: Dr. Teeba Rashid
- Present Scholars: Ms. Bushra Kanwal

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Present Scholars

- Engr. Muhammad Yaseen (Research Officer/Lecturer) has successfully submitted his PhD (Water Resources Engineering) dissertation for foreign evaluation enrolled in Centre of Excellence in Water Resources Engineering, University of The Engineering and Technology, Lahore under the



HEC Indigenous Scholarship Program; Topic of his dissertation is “Climate change and its impact on streamflows in Mangla watershed using GIS based hydrological modeling”.

- Presently involve in teaching, research and assist to HoD of the CIMR
- Ms. Rehana Jamal (M.Phil. Scholar) is doing her research work in Department of Geology, University of the Punjab.
- Presently involve in teaching and research of the CIMR programmes

CENTRE FOR UNDERGRADUATE STUDIES

- Scholarship awarded (none)
- Returned Scholars (no)
- Present Scholars (No)

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Faculty development programmes (MS/ PhD local + foreign)

- i. 1 faculty member is doing PhD from UK
- ii. 1 faculty members is registered as PhD scholar in Malaysia

Present Scholars

- i. 3 faculty members are registered as PhD student in PU
- ii. 1 faculty member is enrolled in M.Phil at LUMS

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- Faculty development programmes (MS/ PhD local + foreign):
- Presently the department is availing the services of Eight regular and Two contractual teachers. Out of these regular teachers six are PhDs (3 foreign & 3 local PhD) while 1 is MPhil. The faculty on contract comprised 1 PhD (Foreign) and 1 M.Phil in qualification.
- Returned Scholars: (Post Doctorate) 01
- Present Scholars: 05

DEPARTMENT OF MATHEMATICS

- Faculty development programmes (M.Phil./ PhD local + foreign)
 - i. Dr. Daud Ahmad, Assistant Professor completed Ph.D. from University of the Punjab, Lahore.
 - ii. Mr. Muhammad Riaz, Assistant Professor completed Ph.D. from University of the Punjab, Lahore.
 - iii. Dr. Muhammad Khalid Mahmood, Assistant Professor, completed Ph.D. from University of the Punjab, Lahore and approved his synopsis during this period.
 - iv. Dr. Nauman Raza, Assistant Professor, completed Post-Doc from Canada.
 - v. Ms. Saima Arshed, Lecturer is doing Ph.D. from University of the Punjab, Lahore and she submitted her thesis.
 - vi. Ms. Saira Hamid Lecturer is doing M.Phil. from University of Education, Lahore
 - vii. Ms. Maasoomah Sadaf, Lecturer, is doing Ph.D. from University of the Punjab, Lahore.



- viii. Mr. Zahid Hussain Shamsi, Lecturer, is doing Ph.D. from Hanyang University, South Korea.
- ix. Mr. Muhammad Zaeem Ul Haq Bhatti, Lecturer, is doing Ph.D. from Department of Mathematics, University of the Punjab, Lahore.
- x. Mr. Zeeshan Yousaf, Lecturer, is doing Ph.D. from Department of Mathematics, University of the Punjab, Lahore.
- o Returned Scholars
04
- o Present Scholars
06

DEPARTMENT OF PHYSICS

- o **Faculty development programmes (MS/ PhD local + foreign)**
Mrs. Farzana Tareen (Assistant Professor) is doing PhD from the Centre of Excellence in Solid State Physics, University of the Punjab, under the PU-HEC Faculty Development Program.
- o **Present Scholars**
Mr. Muhammad Shahbaz is doing PhD from USA University under the PU-HEC Faculty Development Programme.
Miss Attia Falak (Lecturer) is doing PhD research work under the supervision of Dr. Hafiz Muhammad Rafique at the Department of Physics.

DEPARTMENT OF SPACE SCIENCE

Faculty development programmes (MS/ PhD local + foreign)

- i. 1 faculty member on Post Doc Fellow to Observatory (ESO) Munich – Germany.
- ii. 1 faculty member is doing PhD from Germany.

Present Scholars

- i. 5 faculty members (4 regular, 1 contract) are registered as PhD student in PU.

INSTITUTE OF CHEMISTRY

Dr. Muhammad Imran is returned from Germany after the completion of Ph.D

INSTITUTE OF GEOLOGY

1. One of the faculty member **Rana Ammad Bin Sadiq** has been granted Overseas Scholarship for PhD Studies at the Technical University of Freiberg, Germany awarded by the Punjab University Overseas Scholarship and Travel Grant Committee.
2. Mr. Muhammad Armaghan Faisal is pursuing PhD Studies at the Ruhr University, Bochum, Germany under Faculty Development Program.



PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Returned Scholars

| | | |
|------------------|---|---|
| Dr. Zubair Nawaz | } | Returned after completing their Post Docs from Jordan |
| Dr. Faisal Aslam | | and Netherlands respectively |
| Dr. Waheed Iqbal | } | Joined PUCIT on 20-01-2014 |

Present Scholars

- Mr. Athar Ashraf
- Mr. Laeeq Aslam
- Mr. Kamran Malik
- Mr. Muhammad Idrees
- Mr. Muhammad Arif Butt
- Mr. Muhammad Ahmad Ghazali
- Mr. Tariq Mahmood Butt
- Muhammad Adeel Nisar
- Syed Muhammad Ali
- Ms. Javeria Iqbal
- Mr. Abdul Khaliq
- Mr. Muhamamd Shahid Fareed
- Ms. Sidra Aslam
- Mr. Abdul Mateen
- Mr. Omer Nawaz
- Hafiz Anzar Ahmad Arshad
- Ms. Saima Ali
- Syed Mohsin Ali
- Ms. Rukhsana Kausar
- Mr. Muhammad Hassan Khan
- Ms. Zobia Sohail
- Ms. Sanam Ahmad
- Ms. Madiha Khalid
- Ms. Shaista Habib
- Ms. Aisha Khan
- Ms. Arifa Mirza



Punjab University Gujranwala Campus

Faculty development program (MS/ PhD local + Foreign)

The Punjab University is facilitating the faculty members by offering them scholarships for PhD from the renowned foreign Universities of the world.

Resultantly, 3 faculty members from the Gujranwala Campus have successfully completed PhD from foreign universities on scholarship and two more faculty members are doing PhD from foreign universities on scholarship awarded by the Punjab University. Moreover, one faculty member has completed his MS & two faculty members are doing MS from local universities of Pakistan.

Returned Scholars : 3

Present Scholars : 4

Punjab University Jhelum Campus

Returned Scholars

- Mr. Gulshan Aslam, Lecturer (IT) M.Phil I.T. (Information Engineering)Sweden

Present Scholars

- Mr. Tabassum Riaz, Lecturer Commerce Ph.D Management Sciences (MAJU) PK
- Mr. Kamran Shaukat, Lecturer Information Technology M.Phil Computer Sciences (MAJU) PK
- Mr. Mubashr Hussian, Lecturer Business Administration M.Phil Management Sciences (MAJU) PK
- Mr. Muhammad Usman Lecturer Business Administration M.Phil Management Sciences Leads University Lahore Pk.
- Mr. Muhammad Waqas, Lecturere Law, LL.M (I.I.U.I) PK
- Mr. Muhammad Nadim, Lecturer Commerce, Ph.D (MAJU) PK
- Hafiz Muhammad Sana Ullah, Lecturer Islamic Studies, (U.O.L) Pk



Chapter

5

ACCESS

- *Basic Enrolment*
- *Equity*
- *Gender-wise Detail*
- *Employability*
- *Faculty-Student Ratio*

**CHAPTER****5****Access****Faculty of Arts & Humanities****CENTRE FOR SOUTH ASIAN STUDIES**

- Basic enrolment
 - M. Phil - 19
 - Ph.D. - 07
- Gender-wise Detail

| Name of Program | Male | Female | Total |
|--------------------------|------|--------|-------|
| Ph.D. (Session 2014-19) | 6 | 1 | 07 |
| M.Phil (Session 2014-16) | 07 | 12 | 19 |

- Employability
The main scope of employability is Research with special reference to South Asia
- Faculty-student ratio

| | |
|---|-----|
| Total Number of M.Phil & Ph. D Students Enrolled in year 2014 | 26 |
| Total Number of Faculty Members in Year 2014 | 8 |
| Faculty Student Ratio | 1:3 |

COLLEGE OF ART & DESIGN

- Basic enrolment
Student enrollment is as follows:
 - BFA & B. Arch. = 753
 - MA (Painting) = 93
 - M. Phil, MS Art History and MFA= 157
 - PhD = 15
 - Diploma: 123
- Gender-wise Detail

NO. OF STUDENTS ENROLMENT BY GENDER AND YEAR FOR ACADEMIC SESSION 2012-13

- BACHELOR DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | M | F | M | F | M | F | M | F | M | F |
| Morning | 29 | 82 | 31 | 76 | 29 | 68 | 28 | 76 | 22 | 18 |
| Replica | 29 | 66 | 19 | 49 | 21 | 44 | 23 | 43 | | |



• MASTER DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Morning | 1 | 29 | 0 | 26 |
| Replica | 02 | 19 | 1 | 15 |
| Evening | | | | |

M. PHIL, MS ART HISTORY AND MFA

| | 1 st Year | | 2 nd Year | |
|------------------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Regular | 14 | 37 | 21 | 34 |
| Self-Supporting | 11 | 18 | 9 | 13 |

PH.D DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | 3 | 6 | 1 | 2 | 1 | 2 | | | | |

DIPLOMA/CERTIFICATE ()

| | M | F |
|--------------------|----|----|
| Regular | | |
| Certificate | | |
| Diploma | 39 | 63 |
| PGC | 10 | 11 |

• Employability

The Graduates of College of Art & Design are employed in Public and Private Sector including Publication Houses, Advertising Agencies, Fashion Houses, Print and Electronic Media, Journalism, Interior Design Houses, Freelance Design Consultancies, Photography Studios, Art Criticism, Museum Related Fields such as Curatorship of Galleries, Set and Exhibition Design and Display, Book Illustration and Publishing, Environmental Design, Signage Design, Studio Workshop etc.

• Faculty-student ratio

| Program | Ratio |
|-------------------------------|-------|
| BFA & B. Arch | 1:9 |
| M.A. (Painting), MFA, M. Arch | 1:4 |
| M. Phil | 1:4 |
| MS Art History | 1:7 |
| PhD | 1:3 |

**DEPARTMENT OF ARCHAEOLOGY**

Basic enrolment

23 Students

Equity

Gender-wise Detail

9 Female & 14 Male

Employability (02%)

Fair Opportunities for employment are available with Punjab Govt. Museums, other cultural institutes and NGO's

Faculty-student ratio

1=12 student appox.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- Basic Enrolment 570 students
- Equity
- Gender-wise Detail

| Programme | Male | Female | Total |
|---|--------------|---------------|--------------|
| Ph. D | 0 | 4 | 4 |
| M.Phil – I | 1 | 13 | 14 |
| M. Phil – II | 2 | 3 | 5 |
| MA – I | 23 | 60 | 83 |
| MA – II | 13 | 51 | 64 |
| PGD-ELT | 11 | 50 | 61 |
| Diploma in Linguistics | 10 | 38 | 48 |
| Spoken English Certificate (4 session in a year) | 170 | 121 | 291 |
| | Total | | 570 |

- **Employability**
Students of the Department of English serve in different fields: government, Semi-government and private sectors, particularly in educational institutions and Civil Services.
- **Faculty – Student Ratio**
Approximately 1 teacher is to 32 students.

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

- Basic enrollment
BS (hons): 20
M.A French: 7
Short courses certificates (evening): 14 + 18: 32
- Gender wise detail
BS (hons):



Males: **12** females: **8**

M.A French:

Males: **3** females: **4**

- Employability:

The passing out students usually get employment six months before their Post graduation. Such statistics prove that expertise in this field is in high demand in public and private sector.

Faculty-student ratio:

| S. No. | Faculty | Students | Ratio |
|--------|---------|----------|---------|
| 1. | 3 | 27 | 3: 8.66 |
| 2. | 2 | 32 | 1:16 |

DEPARTMENT OF PHILOSOPHY

- Basic enrolment
- Equity
- Gender-wise Detail

Bachelor Degree

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Morning | 21 | 24 | 15 | 15 |

MASTER DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Morning | 19 | 13 | 6 | 12 |

M.PHIL DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|---|----------------------|---|
| | M | F | M | F |
| Regular | 8 | 6 | 3 | 8 |

PH.D DEGREE

| | 1 st Year | |
|----------------|----------------------|---|
| | M | F |
| Regular | 4 | 1 |

- Employability
Presently, exact data is not available.
- Faculty-student ratio



| No. of Faculty | No. of Students | Ratio |
|---------------------------------|-----------------|-------|
| Permanent and Contract 8 + 2 | 172 | 17.5 |

PAKISTAN STUDY CENTRE

- Basic enrolment

| Ph.D. Pakistan Studies Session 2013 | M. Phil. Pakistan Studies Session 2013-15 |
|--|--|
| 05 | 18 |

- Equity
- Gender-wise Detail

| | Male | Female |
|-------------------------------------|------|--------|
| M. Phil. Pakistan Studies (2013-15) | 08 | 10 |
| PhD Pakistan Studies (2013-15) | 02 | 03 |

- Employability The graduating students of the Centre are eligible to serve in public and private sectors. Most students who complete their M. Phil. and Ph.D. degrees are serving in educational institutes and civil services.
- Faculty-student ratio

| | |
|-------------------------------------|-----|
| M. Phil. Pakistan Studies (2013-15) | 3:1 |
|-------------------------------------|-----|

Faculty of Behavioral & Social Sciences**DEPARTMENT OF GENDER STUDIES**

- Basic enrolment: **310**
- Gender-wise Detail

| Morning | | BS | | | Master | | | M Phil | | | Ph.D | | |
|----------------------|----------|----|----|------------|--------|----|-------|--------|----|-------|------|---|-------|
| | Semester | M | F | Total | M | F | Total | M | F | Total | M | F | Total |
| 1 st Year | I | | | | 14 | 38 | 52 | 04 | 16 | 20 | 3 | 6 | 9 |
| 2 nd Year | III | | | | 16 | 33 | 49 | 5 | 15 | 20 | | | |
| Self Supporting | | | | | | | | | | | | | |
| 1 st Year | I | 19 | 52 | 71 | 10 | 27 | 37 | 5 | 15 | 20 | | | |
| 2 nd Year | III | | | | 8 | 24 | 32 | | | | | | |
| Total | | | | 310 | | | | | | | | | |

- Employability



- Public Sector: Lecturers in the Home Department, Lahore College for Women University, Fatima Jinnah College, Chuna Mundi , Fatima Jinnah Women University
- Gender Specialists in GRAP, DWD and Ministry of Human Rights
- Private Sector: National and International NGOs
- Faculty-student ratio **1:12**

DEPARTMENT OF POLITICAL SCIENCE

Basic enrolment

| Sr. No. | Program | Total Number of Students Enrolled in 2013-14 |
|---------------|-----------------------------------|--|
| 1 | BS (Hons.) Political Science | 58 |
| 2 | M.A Political Science | 53 |
| 3 | M.A International Relations | 52 |
| 4 | M.A Diplomacy & Strategic Studies | 40 |
| 5 | M.Phil Political Science | 15 |
| 6 | M.Phil International Relations | 21 |
| 7 | Ph.D Political Science | 7 |
| 8 | Ph.D International Relations | 9 |
| Total: | | 255 |

Gender wise detail

| Sr. No. | Program | Gender Wise Enrolled in 2013-14 | | Total Number of Students |
|---------------|-----------------------------------|---------------------------------|------------|--------------------------|
| | | Male | Female | |
| 1 | BS (Hons.) Political Science | 42 | 16 | 58 |
| 2 | M.A Political Science | 27 | 26 | 53 |
| 3 | M.A International Relations | 32 | 20 | 52 |
| 4 | M.A Diplomacy & Strategic Studies | 27 | 13 | 40 |
| 5 | M.Phil Political Science | 9 | 6 | 15 |
| 6 | M.Phil International Relations | 8 | 13 | 21 |
| 7 | Ph.D Political Science | 4 | 3 | 7 |
| 8 | Ph.D International Relations | 4 | 5 | 9 |
| Total: | | 153 | 102 | 255 |

Employability

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

Faculty student ratio

20.5 1/57 (09 Faculty members, 521 students)

**DEPARTMENT OF SOCIAL WORK**

- **Basic enrolment**

| | M.SC. SOCIAL WORK PART-I SESSION 2014-2016 (TOTAL 78 STUDENTS ENROLLED) | |
|--|---|--------|
| | Male | Female |
| Morning Programme (Total Students 59) | 31 | 28 |
| Replica Programme (Total Students 19) | 05 | 14 |

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

| M Phil SOCIAL WORK (FIRST YEAR) SESSION 2014-2016 (TOTAL 10 STUDENTS ENROLLED) | |
|--|--------|
| Male | Female |
| 05 | 10 |

| PhD SOCIAL WORK (FIRST YEAR) SESSION 2014-2016 (TOTAL 10 STUDENTS ENROLLED) | |
|---|--------|
| Male | Female |
| 03 | 05 |

- **Gender wise Detail:**

| Programmes | Gender | | Total Number of Students |
|-------------------------|--------|---------|--------------------------|
| | Males | Females | |
| PhD (First Year) | 03 | 05 | 08 |
| M.Phil (First Year) | 05 | 10 | 15 |
| M.Phil (Second Year) | 04 | 05 | 09 |
| M.Sc. Part-I (Morning) | 31 | 28 | 59 |
| M.Sc. Part-I (Replica) | 05 | 14 | 19 |
| M.Sc. Part-II (Morning) | 25 | 33 | 58 |
| M.Sc. Part-II (Replica) | 12 | 21 | 33 |
| Total Students | | | 201 |

- **Faculty Student Ratio:**

Total Number of Students (201) _____ = 20.1

Total Number of Faculty Members (10) _____ 1

INSTITUTE OF COMMUNICATION STUDIES**Basic Enrolment:****BS (4-Years) Communication Studies****Gender wise detail**

| | |
|--------|----|
| Male | 37 |
| Female | 34 |
| Total | 71 |

**PGD in Development Support Communication Gender wise detail**

| | |
|--------|----|
| Male | 15 |
| Female | 07 |
| Total | 22 |

PGD in Television Communication & Production Gender wise detail

| | |
|--------|----|
| Male | 19 |
| Female | 11 |
| Total | 30 |

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

| | |
|--------|----|
| Male | 37 |
| Female | 32 |
| Total | 72 |

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

| | |
|--------|----|
| Male | 36 |
| Female | 30 |
| Total | 66 |

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

| | |
|--------|----|
| Male | 36 |
| Female | 30 |
| Total | 66 |

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

| | |
|--------|----|
| Male | 32 |
| Female | 10 |
| Total | 42 |

M. Phil (Research Track) Gender wise detail

| | |
|--------|----|
| Male | 11 |
| Female | 04 |
| Total | 15 |

**M. Phil (Professional Track)****Gender wise detail**

| | |
|--------|----|
| Male | 12 |
| Female | 06 |
| Total | 18 |

Ph.D**Gender wise detail**

| | |
|--------|----|
| Male | 06 |
| Female | 08 |
| Total | 14 |

Total Male Students = 241

Total Female Students = 172

Grand Total = 413

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- Basic enrolment Total number of enrolled students in the current period are 878

NO. OF STUDENTS ENROLMENT BY SEX AND YEAR FOR ACADEMIC SESSION 2012-2013

BS (4-YEARS) SOCIOLOGY & SOCIOCULTURAL STUDIES

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|---|
| | M | F | M | F | M | F | M | F |
| Morning | 31 | 33 | 23 | 45 | 39 | 33 | | |
| Replica | 43 | 32 | 37 | 40 | 35 | 44 | | |
| Evening | | | | | | | | |

M.SC DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|-----|
| | M | F | M | F |
| Morning | 43 | 80 | 56 | 60 |
| Replica | 167 | 87 | 226 | 156 |
| Evening | 32 | 29 | 39 | 32 |

M.PHIL

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Regular | 20 | 20 | 14 | 27 |
| Replica | 50 | 50 | | |

**PH.D DEGREE**

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|----|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | 9 | 7 | | | | | | | | |
| Evening | 7 | 10 | | | | | | | | |

- **Employability**

BS (Hons.) (4 years) Sociology & Sociocultural Studies had approx. 65% employability rate.

MSc Sociology had approx 60 % employability rate.

MSc Population Sciences (MPS) (Afternoon Self-Supporting) had approx 40% employability rate.

MSc Criminology & Security Studies (Self-Supporting) had approx 75% employability rate.

MSc Development Studies (Self-Supporting) had 40% employability rate.

- **Faculty-student ratio**

| Number of teachers | Number of students enrolled | Ratio |
|--------------------|-----------------------------|-------|
| 17 | 1570 | |

Faculty of Commerce

HAILEY COLLEGE OF COMMERCE

5.1 Basic Enrolment

Admitted in B.Com Hons. 4 years semester Programme after passing Intermediate

Admitted in M.Com 3 ½ years after passing B.Com. I.T 2 years programme

Admitted in M.Com 1 ½ after passing B.Com 4 years or M.Com 2 years .

| Gender wise Detail | | | | | | | |
|----------------------------|---------|--------------------------|-----|----------|----|------------------------|----------|
| Program | | No. of students admitted | | | | No. of Seats sectioned | |
| | | Merit | | Reserved | | Merit | Reserved |
| | | M | F | M | F | | |
| Bachelor B. Com (4 Yrs) | Morning | 144 | 117 | 25 | 11 | 264 | 41 |
| | Replica | 158 | 122 | 7 | 2 | 284 | 16 |
| | Evening | -- | -- | -- | -- | -- | -- |
| Master | Morning | 48 | 38 | 7 | 2 | 86 | 13 |



| | | | | | | | |
|--------------------------|---------|----|----|----|----|----|----|
| M. Com (3½ years) | Replica | 59 | 35 | -- | -- | 94 | 04 |
| | Evening | -- | -- | -- | -- | -- | -- |
| M. Com (1½ years) | Morning | 21 | 29 | -- | -- | 50 | -- |
| | Replica | 23 | 27 | -- | -- | 50 | -- |
| | Evening | | | | | -- | -- |
| M.Phil. | Morning | 13 | 7 | -- | -- | 20 | -- |
| Ph.D. | Morning | 11 | 9 | -- | -- | 20 | -- |
| Diploma | | -- | -- | -- | -- | -- | -- |
| Certificate | | -- | -- | -- | -- | -- | -- |

| Faculty Student Ration | | | | | | | |
|------------------------|----|--|----|----------------------|--------------------------|--|----------|
| No of Budgeted Post | | No. of Faculty Member actually present Permanent Contractual | | No. of Ph.D Teachers | No. of Non-Ph.D Teachers | Programs running in the College Programme No. of Students | |
| Professors | 03 | 02 | 01 | 03 | 00 | B.Com (Hons.) Various Semesters | 2005 |
| Associate Professors | 06 | 01 | 00 | 01 | 00 | M.Com 3 ½ years Various Semesters | 480 |
| Assistant Professors | 15 | 15 | 02 | 04 | 11 | M.Com 1 ½ years | 154 |
| Lecturers | 18 | 03 | 11 | 00 | 14 | M.Phill Ph.D | 39 36 |

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Basic enrolment

Equity

Gender-wise Detail

Student Enrolment

| Regular Fee Structure | Semester | M.Sc. Morning | | | M. Phil | | | Ph.D | | |
|-----------------------|----------|---------------|--------|-------|---------|--------|-------|------|--------|-------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | | |



| | | | | | | | | | | |
|--------------|-----|-----------|------------|------------|-----------|-----------|-----------|----------|----------|----------|
| 1st Year | I | 19 | 59 | 78 | 7 | 13 | 20 | 0 | 0 | 0 |
| | II | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2nd Year | III | 13 | 59 | 72 | 7 | 14 | 21 | 3 | 3 | 6 |
| | IV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 32 | 118 | 150 | 14 | 27 | 41 | 3 | 3 | 6 |

| Self-supporting Programs | Semester | M.Sc. Replica | | | MBEcon | | | PGDAE | | |
|--------------------------|----------|---------------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1st Year | I | 27 | 46 | 73 | 18 | 56 | 74 | 36 | 37 | 73 |
| | II | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 2nd Year | III | 21 | 50 | 71 | 18 | 52 | 70 | | | |
| | IV | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Total | | 48 | 96 | 144 | 36 | 108 | 144 | 36 | 37 | 73 |

| Program | Ph.D | M. Phil | M.Sc. Morning | M.Sc. Replica | MBEcon | PGDAE | Total Students of Department |
|----------------------|-----------|-----------|---------------|---------------|------------|-----------|------------------------------|
| Total Student | 06 | 41 | 150 | 144 | 144 | 73 | 558 |

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

- Basic enrolment
- Gender-wise Detail

| Programme | Male | Female | Total |
|--------------------------------|------|--------|-------|
| Master (Morning and Afternoon) | 27 | 44 | 71 |
| M.Phil | 6 | 7 | 13 |
| PhD | 3 | 3 | 6 |

**INSTITUTE OF ADMINISTRATIVE SCIENCES**

Number of students enrolled each year:

| Level of Degree | System of Examination | Admission offered per Year | Examiner (External/Internal/Both) |
|----------------------------------|-----------------------|----------------------------|-----------------------------------|
| Bachelors | Semester System | 120 students (approx.) | Internal |
| Masters (16 years of Education) | Semester System | 100 students (approx.) | Internal |
| Masters (16+ years of Education) | Semester System | 50 students (approx.) | Internal |
| M. Phil. | Semester System | 15 students (approx.) | Both |
| PhD. | Semester System | 6 students (approx.) | Both |

| Sr. No | Shift | Class | Sem | Session | Male | Female | Total |
|--------|---------|-------------------------------------|-----|-----------|------|--------|-------|
| 1 | Regular | M.Phil in Management | 1st | 2014-2016 | 8 | 8 | 16 |
| 2 | Regular | M.Phil in Management | 3rd | 2013-2015 | 1 | 13 | 14 |
| 3 | Regular | Master of Public Administration | 1st | 2014-2016 | 9 | 16 | 25 |
| 4 | Regular | Master of Public Administration | 3rd | 2013-2015 | 10 | 15 | 25 |
| 5 | Regular | Master of Human Resource Management | 1st | 2014-2016 | 14 | 47 | 61 |
| 6 | Regular | Master of Human Resource Management | 3rd | 2013-2015 | 25 | 28 | 53 |
| 7 | Regular | BS (Hons) Management | 1st | 2014-2018 | 23 | 64 | 87 |
| 8 | Regular | BS (Hons) Management | 3rd | 2013-2017 | 15 | 45 | 60 |
| 9 | Regular | BS (Hons) Management | 5th | 2012-2016 | 22 | 44 | 66 |
| 10 | Regular | BS (Hons) Management | 7th | 2011-2015 | 14 | 48 | 62 |
| 11 | Replica | Master of Human Resource Management | 1st | 2014-2016 | 28 | 32 | 60 |
| 12 | Replica | Master of Human Resource Management | 3rd | 2013-2015 | 16 | 28 | 44 |
| 13 | Replica | BS (Hons) Management | 1st | 2014-2018 | 37 | 47 | 84 |
| 14 | Replica | BS (Hons) Management | 3rd | 2013-2017 | 15 | 41 | 56 |
| 15 | Replica | BS (Hons) Management | 5th | 2012-2016 | 20 | 36 | 56 |
| 16 | Replica | BS (Hons) Management | 7th | 2011-2015 | 24 | 35 | 59 |
| 17 | Evening | Master of Marketing | 6th | 2012-2014 | 29 | 3 | 32 |



| | | | | | | | |
|----|---------|-------------------------------------|-----|-----------|------------|------------|-------------|
| 18 | Evening | Master of Health Administration | 6th | 2012-2014 | 12 | 9 | 21 |
| 19 | Evening | Master of Human Resource Management | 6th | 2012-2014 | 47 | 21 | 68 |
| 20 | Evening | Master of Marketing | 3rd | 2013-15 | 42 | 6 | 48 |
| 21 | Evening | Master of Human Resource Management | 3rd | 2013-15 | 32 | 23 | 55 |
| 22 | Evening | Master of Health Administration | 3rd | 2013-15 | 10 | 9 | 19 |
| 23 | Evening | Master of Marketing | 1st | 2014-2016 | 39 | 3 | 42 |
| 24 | Evening | Master of Human Resource Management | 1st | 2014-2016 | 28 | 32 | 60 |
| 25 | Evening | Master of Health Administration | 1st | 2014-2016 | 12 | 14 | 26 |
| | | | | | 532 | 667 | 1199 |

INSTITUTE OF BUSINESS ADMINISTRATION

- **Basic enrolment**

| Sr. No. | Program | No. of Enrolled Students |
|---------|-----------------------------------|--------------------------|
| 1 | Ph.D in Business Administration | 10 |
| 2 | M.Phil in Business Administration | 20 |
| 3 | MBA ½ Years (Morning) | 129 |
| 4 | BBA Hons (Morning) | 240 |
| 5 | BBA Hons (Afternoon) | 212 |
| 6 | MBA (Evening) | 424 |
| 7 | PGD (Evening) | 51 |
| Total | | 1086 |

- **Gender-wise Detail**

| Sr. No. | Program | Male | Female | Total |
|---------|-----------------------------------|------|--------|-------|
| 1 | Ph.D in Business Administration | 5 | 5 | 10 |
| 2 | M.Phil in Business Administration | 7 | 13 | 20 |
| 3 | MBA ½ Years (Morning) | 54 | 75 | 129 |
| 4 | BBA Hons (Morning) | 107 | 133 | 240 |
| 5 | BBA Hons (Afternoon) | 91 | 121 | 212 |
| 6 | MBA (Evening) | 372 | 52 | 424 |
| 7 | PGD (Evening) | 43 | 8 | 51 |



| | | | |
|-------|-----|-----|------|
| Total | 679 | 407 | 1086 |
|-------|-----|-----|------|

- **Employability**

About 75%.

- **Faculty-student ratio**

| No. of Faculty (permanent/contract) | No. of Student (Morning programs) | Faculty-student Ratio |
|--|--------------------------------------|-----------------------|
| 15 | 399 | 1:27 |

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Basic enrolment

123 students in Master's (Morning & Evening) Program enrolled in Department

Gender-wise Detail

| PROGRAM | MALE | FEMALE | TOTAL |
|--------------|------|--------|-------|
| M.A. Morning | 13 | 50 | 63 |
| M.A. Evening | 11 | 49 | 60 |
| M.Phil | 02 | 13 | 15 |

Employability

Almost 80% students are serving in special schools (Public & Private) as special education teachers and head/principals.

Faculty-student ratio

- There were 06 teachers available during this year. The student teacher ratio was 17:1.

INSTITUTE OF EDUCATION & RESEARCH

- **Basic Enrolment for the year 2013-14**

| Program | | No. of Students Admitted |
|----------|---------|--------------------------|
| Bachelor | Morning | 216 |
| | Replica | 140 |
| Master | Morning | 484 |
| | Replica | 340 |
| Ph. D | | 29 |
| M. Phil | | 75 |

**Gender-wise Detail**

| BACHELOR DEGREE | 1 st Year | | 2 nd Year | |
|--------------------------------------|----------------------|-----|----------------------|-----|
| | M | F | M | F |
| Morning | 25 | 191 | 6 | 88 |
| Replica | 14 | 126 | 14 | 125 |
| MASTER DEGREE | | | | |
| Morning | 88 | 396 | 55 | 332 |
| Replica | 80 | 260 | 38 | 245 |
| M.PHIL LEADING TO PH.D DEGREE | | | | |
| Regular | 14 | 61 | 13 | 24 |

- **Employability**

Our graduates have opportunities for getting jobs, in School Education Department, Colleges or Universities level as well as in private sector.

- **Faculty-Student Ratio**

| Faculty | | Student Morning | Student Evening | Overall |
|-----------------------|-----|-----------------|-----------------|----------------|
| Type | No. | | | |
| Regular | 50 | 1181 | 902 | 2083 |
| Contract | 2 | | | |
| Visiting | 20 | | | |
| Total | 72 | | | |
| Student Teacher Ratio | | 1:16.40 | 1:12.52 | 1:28.93 |

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Basic Enrolment: 118

Gender-wise Detail: Male = 77 Female = 41

Employability: About 60% (employability in male students = 100%)

Faculty-Student Ratio: 1:19.66

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

1. Basic Enrolment

| Program | Year of Enrollment | No. of Students |
|----------------------------|--------------------|-----------------|
| M. Phil Polymer Technology | 2011-12 | 31 |
| | 2012-13 | 21 |



| | | |
|--|---------|----|
| | 2013-14 | 35 |
|--|---------|----|

2. Equity

All students in department are enrolled on merit basis as per University/HEC rules and all facilities are provided to them on equity.

3. Gender-wise Detail

| Programme | Males | Females | Total |
|---------------------------|-------|---------|-------|
| M.Phil Polymer Technology | 57 | 25 | 82 |

4. Employability (maximum 02 lines)

| Sr No | Title | Number |
|-------|--------------------------------|--------|
| 1 | Professor (Chairman) | 1 |
| 2 | Assistant professor (Contract) | 1 |
| 3 | Assistant professor (IPFP) | 2 |
| 4 | Lecturers (Contract) | 3 |

5. Faculty-student ratio

| Student Faculty ratio | | | |
|-----------------------|-----------------|----------------|-----------------------|
| Session | No. of Students | No of Teachers | Student Faculty ratio |
| 2012-13 | 21 | 4 | 5:1 |

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY**Basic Enrolment**

4-years B.Sc Chemical Engineering program enrollment 2014

| | Applicants | Enrolled |
|----------------|------------|----------|
| Morning | 2725 | 87 |
| Evening | 1602 | 64 |

2-year M.Sc Chemical Engineering Program enrollment 2014 which is equivalent to MPhil degree.

Enrollment is twice a year in fall and other in spring session.

| Applicants | Enrolled |
|------------|----------|
| 320 | 47 |

PhD (Engg.) Chemical Engineering program enrollement 2014

| Applicants | Enrolled |
|------------|----------|
| 16 | 08 |

**Equity**

The student's enrollment programmes offered at the Institute is purely on merit basis. However, there are few reserved seats offered to the students from other provinces (Balochistan, FATA, AJK, KPK and Gilgit Baltistan) of Pakistan. Access to the facilities is provided to the students on equity.

Gender-wise detail

4-year B.Sc Chemical Engineering program enrollment 2014

| | Male | Female |
|----------------|------|--------|
| Morning | 80 | 07 |
| Evening | 55 | 09 |

2-years M.Sc Chemical Engineering Program enrollment 2014

| Male | Female |
|------|--------|
| 40 | 10 |

PhD (Engg.) Chemical Engineering program enrolment 2014

| Male | Female |
|------|--------|
| 07 | 01 |

Employability

The graduates of the Institute are serving in industrial sector as well as R & D organizations in Pakistan and abroad.

Faculty-student ratio

4-year B.Sc Engineering Program and 2-years M.Sc. Engineering Program

| Program | B.Sc Engineering | M.Sc Engineering |
|------------------------------|------------------|------------------|
| Student Teacher Ratio | 19:1 | 10:1 |

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Basic enrolment: Overall 180 students were enrolled in 2012 session

Equity:**Gender-wise Detail**

| Programme | Male | Female | Total |
|--|------|--------|-------|
| BSc Industrial Engineering | 34 | 07 | 41 |
| MSc Quality & Performance Management | 06 | 04 | 10 |
| MS Total Quality Management | 37 | 32 | 69 |
| MS Industrial Engineering & Management | 34 | 03 | 37 |
| PhD Total Quality Management | NIL | NIL | NIL |
| Certificate/Diploma | 00 | 01 | 01 |

Employability

Alumni of this Institute are working in wide range of Industries all over the globe. Some alumni are even teaching in foreign Universities. All the programs have established their relative worth in the



job market and Institute focus on improving curriculum as per needs of the employer and on feedback of Alumni.

Faculty-student ratio

| Programme | Faculty-Student Ratio |
|--|-----------------------|
| BSc Industrial Engineering | 1:8.875 |
| MSc Quality & Performance Management | 1:3 |
| MS Total Quality Management | 1:23 |
| MS Industrial Engineering & Management | 1:11 |
| PhD Total Quality Management | NIL |
| Certificate/ Diploma | 1:1 |

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- **Basic enrolment**
 1. 107 students are studying in M.A. Islamic Studies Part-I & 109 in Part-II
 2. 30 students are studying at M.Phil level.
 3. 15 students are enrolled in Ph.D.
- Gender-wise Detail

| Sr. No. | Name of Programme | Number of Students | Male | Female |
|---------|-------------------|--------------------|------|--------|
| 1 | M.A. Part-I | 107 | 18 | 89 |
| 2 | M.A. Part-II | 103 | 22 | 81 |
| 3. | M.Phil | 30 | 20 | 10 |
| 4. | Ph.D. | 15 | 10 | 5 |

- Faculty-student ratio

| Sr. No. | Name of Programme | Number of Students | Teacher | Ratio |
|---------|-------------------|--------------------|---------|-------|
| 1. | M.A. Part-I | 107 | 11 | 09.72 |
| 2. | M.A. Part-II | 103 | 11 | 09.36 |
| 3. | M.Phil | 30 | 8 | 3.75 |
| 4. | Ph.D. | 15 | 6 | 2.5 |

SHEIKH ZAYED ISLAMIC CENTRE

Basic enrolment

BS Islamic Studies 404, M.Phil. 48 and Ph.D. 49

Gender-wise Detail



| | Male | Female | Total |
|-------------------------|------|--------|-------|
| BS Islamic Studies | 172 | 232 | 404 |
| M.Phil. Islamic Studies | 23 | 25 | 48 |
| Ph.D. Islamic Studies | 42 | 7 | 49 |

Employability

8 faculty members and 53 employees are working at Sheikh Zayed Islamic Centre, University of the Punjab, Lahore.

Faculty-student ratio

According to the budget estimates 2013-2014 proforma No.6 the faculty-student ratio is 1:55

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

Basic enrollment 2765

Equity

Gender-wise Detail *Male 2300 Female 465*

Employability *After LL.B. Degree number of students got opportunity as Civil*

Judges/Attorneys/Prosecutors etc through open competition

Faculty-student ratio *Teacher 1 Student 20*

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Basic enrolment

| Sr. No. | Name of Programme | No. of Seats Per Year |
|---------|---|-----------------------|
| 1 | Ph.D. in Clinical Psychology | 10 |
| 2 | MS Programme in Clinical Psychology | 20 |
| 3 | Advanced Diploma in Clinical Psychology | 20 |
| 4 | MS in Speech & Language Pathology | 30 |
| 5 | Advanced Diploma in Clinical Psychology (Replica) | 15 |
| 6 | BS (Hons.) in Clinical Psychology | 35 |

Gender-wise Detail

| Sr. No. | Name of Programme | Male | Female | Total |
|---------|--|------|--------|-------|
| 1 | Ph.D. in Clinical Psychology | 0 | 4 | 4 |
| 2 | MS Programme in Clinical Psychology (2 Sessions) | 1 | 26 | 27 |



| | | | | |
|---|---|---|----|----|
| 3 | Advanced Diploma in Clinical Psychology (1 Session) | 0 | 24 | 24 |
| 4 | MS in Speech & Language Pathology | 1 | 21 | 22 |
| 5 | Advanced Diploma in Clinical Psychology (Replica) | 0 | 20 | 20 |
| 6 | BS (Hons.) in Clinical Psychology (4 Sessions) | 2 | 73 | 75 |

Employability

Two Research Scholars and One Research Assistant are appointed on contract basis.

Faculty – student ratio

1:17

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY**Basic Enrolment:**

Fifty four students were enrolled

M.Phil= 38 Ph.D=16

Gender-wise Detail

| M. Phil | | | Ph. D | | |
|---------|--------|-------|-------|--------|-------|
| Male | Female | Total | Male | Female | Total |
| 12 | 26 | 38 | 7 | 9 | 16 |

Employability

Employability of the graduate from this Centre is applicable to the research, teaching, public / private sectors.

Faculty-Student Ratio

| Number of Faculty Member | Number of Students | Faculty Student Ratio |
|--------------------------|--------------------|-----------------------|
| 38 | 54 | 1.42:1 |

DEPARTMENT OF BOTANY**Basic enrolment**

| Programme | Students |
|-----------------|----------|
| BS | 21 |
| M.Sc. | 42 |
| MS | 10 |
| M.Phil | 10 |
| Ph.D Regular | 09 |
| Ph.D old scheme | 07 |

Gender-wise Detail

| All Programmes | Male | Female |
|--|------|--------|
| Bachelor Morning 1 st Year (1 st – 2 nd Semester) | -- | 21 |



| | | |
|---|----|----|
| 2 nd Year (3 rd – 4 th Semester) | 02 | 16 |
| 3 rd Year (5 th – 6 th Semester) | 02 | 20 |
| 4 th Year (7 th - 8 th Semester) | 04 | 17 |
| Master Morning 1 st Year (1 st – 2 nd Semester) | 02 | 40 |
| 2 nd Year (3 rd - 4 th Semesters) | 02 | 30 |
| M. Phil 1 st Year (1 st – 2 nd Semester) | -- | 10 |
| 2 nd Year (3 rd - 4 th Semester) | 01 | 07 |
| MS 1 st Year (1 st – 2 nd Semester) | -- | 10 |
| 2 nd Year (3 rd – 4 th Semester) | -- | 07 |
| PhD | 06 | 27 |

Employability

The students of the Department of Botany, University of the Punjab, Lahore got the job in the various public and government sectors. Many students got scholarship and positions in National and International research organizations.

Faculty-student ratio

| Total Students | Faculty | Ratio |
|----------------|---------|-------|
| 224 | 15 | 14.93 |

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

• **Basic enrolment**

| Programme | Students |
|--------------|----------|
| BS | 136 |
| MSc | 64 |
| MS | 24 |
| MPhil | 24 |
| PhD | 73 |

• **Gender-wise Detail**

| Year/Semester | Bachelor | | | Master | | | M.S/M.Phil | | | Ph.D. | | |
|--------------------------|----------|--------|-----------|--------|--------|-----------|------------|--------|--------------|-------|--------|-----------|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 st Semester | 04 | 37 | 41 | 01 | 34 | 35 | 5+2 | 10+14 | 15+16 | 07 | 09 | 16 |
| 2 nd Semester | | | | | | | | | | | | |
| 3 rd Semester | 03 | 32 | 35 | -- | 29 | 29 | 3+2 | 6+6 | 9+8 | 03 | 08 | 11 |
| 4 th Semester | | | | | | | | | | | | |
| 5 th Semester | 05 | 36 | 41 | | | | | | | 04 | 06 | 10 |
| 6 th Semester | | | | | | | | | | | | |
| 7 th Semester | 01 | 18 | 19 | | | | | | | 02 | 06 | 08 |



| | | | | | | | | | | | | |
|---------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 8 th Semester | | | | | | | | | | | | |
| 9 th Semester | | | | | | | | | | 05 | 09 | 14 |
| 10 th Semester | | | | | | | | | | | | |
| 12 th Semester | | | | | | | | | | 05 | 09 | 14 |
| Sub-Total | 13 | 123 | 136 | 01 | 63 | 64 | 12 | 36 | 48 | 26 | 47 | 73 |
| Total Students | 321 | | | | | | | | | | | |

- **Employability**
 - Our students got jobs in various public and private sector organizations. Many students got scholarships and positions in national and international research organizations.
- **Faculty-student ratio**

| Students | Faculty | Ratio |
|----------|---------|--------------|
| 321 | 24 | 13.38 |

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- Basic enrolment
 - M.Sc. Physical Education
- Total 67 Students enrolled in Morning
- Total 43 Students enrolled in Evening
- BS Physical Education
- Total 108 students enrolled in BS Physical Education
- Gender-wise Detail
- M.Sc. Physical Education
- Morning Male: 32 Female: 35
- Evening Male: 25 Female: 18
- BS Physical Education
- Male: 65 Female: 43
- Employability

There is 90% passed out students selected as Lecturer and PET in education department and other working in leading private organizations.
- Faculty-student ratio

DEPARTMENT OF ZOOLOGY

Regular Scheme (Morning)

| Part | Bachelor | | | Master | | | M.Phil/ M.S. | | | Ph.D. | | | Dip. Cert. | | |
|------|----------|---|---|--------|---|---|-----------------|---|---|-------|---|--|------------|---|---|
| | M | F | T | M | F | T | M | F | T | M | F | | TM | F | T |
| | | | | | | | | | | | | | | | |



| | | | | | | | | | | | | | | | |
|--------------------------|-----------|------------|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|---|---|
| Part-I | - | - | - | 5 | 42 | 47 | - | - | - | 4 | 21 | 25 | - | - | - |
| Part-II | | | | 3 | 44 | 47 | - | - | - | - | - | - | - | - | - |
| 1st semester | 6 | 21 | 27 | - | - | - | 3 | 27 | 30 | - | - | - | - | - | - |
| 3 rd Semester | 6 | 19 | 25 | | - | - | 9 | 19 | 28 | 3 | 10 | 13 | | - | - |
| 5 th Semester | 3 | 35 | 38 | - | - | - | - | - | - | 2 | 13 | 18 | - | - | - |
| 7 th Semester | 4 | 34 | 38 | - | | - | | - | - | 8 | 15 | 23 | | - | - |
| Total: | 14 | 115 | 129 | 2 | 94 | 98 | 12 | 46 | 58 | 17 | 48 | 68 | | | |

| Years | Bachelor | | | Master | | | M.Phil/ L.L.M | | | Ph.D. | | | Dip. Cert. | | |
|---------------|----------|----------|----------|----------|----------|----------|------------------|----------|----------|-----------|-----------|-----------|------------|----------|----------|
| | M | F | T | M | F | | | | | | FT | TMF | | T | |
| 2013 | - | - | - | - | - | - | - | - | - | 6 | 19 | 25 | | | |
| 2012 | - | - | - | - | - | - | - | - | - | 5 | 13 | 18 | - | - | - |
| 2011 | - | - | - | - | - | - | - | - | - | 4 | 13 | 17 | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | - | 4 | 2 | 6 | - | - | |
| 2009 | | | | | | | | | | 1 | 6 | 7 | | | |
| Total: | - | - | - | - | - | - | - | - | - | 20 | 53 | 73 | - | - | - |

Self Sporting (Evening)

| Part | Bachelor | | | Master | | | M.Phil/L.L.M | | | Ph.D. | | | Dip. Cert. | | |
|---------------|----------|----------|----------|----------|-----------|------------|--------------|----------|----------|----------|----------|----------|------------|----------|----------|
| | M | F | T | M | F | | TMF | | | TMF | | T | M | F | T |
| Part-I | - | | | 4 | 56 | 60 | 4 | 26 | 30 | | | | - | - | - |
| Part-I1 | - | - | - | 5 | 42 | 47 | - | - | - | - | - | - | - | - | - |
| Total: | - | - | - | 9 | 98 | 107 | - | - | - | - | - | - | - | - | - |

INSTITUTE OF AGRICULTURAL SCIENCES

○ **Basic enrolment**

| | |
|--------------------------------|-----|
| BS (Hons.) | 489 |
| M.Sc. (Hons.) | 104 |
| M.Sc. (Hons.) Leading to Ph.D. | 05 |
| Ph.D. | 79 |

○ **Gender-wise Detail**

| | | |
|--------------------------------|------------|-------------|
| BS (Hons.) | 201 (Male) | 288(Female) |
| M.Sc. (Hons.) | 58 (Male) | 46 (Female) |
| M.Sc. (Hons.) Leading to Ph.D. | 02 (Male) | 03 (Female) |
| Ph.D. | 33 (Male) | 46 (Female) |



- **Employability**

There is lot of chances for the students to search their jobs in the field of Agriculture and equal opportunities in all other related fields. Now our students are being accepted for all jobs in private and Government organizations.

- **Faculty-student ratio**

BS (Hons.) 1:7

M.Sc. (Hons.)/

M.Sc. (Hons.) leading to Ph.D. 1:6

Ph.D. 1:5

INSTITUTE OF APPLIED PSYCHOLOGY

Equity

From the session 2014, Institute has following Basic Enrolment Provisions:

| Program | Open Merit Seats | Reserved Seats | Total Seats |
|---------------------------|-------------------------|-----------------------|--------------------|
| BS (4-Years) Morning | 36 | 08 | 44 |
| BS (4-Years) Replica | 36 | 02 | 38 |
| M.Sc. (Morning) | 42 | 08 | 50 |
| M.Sc. (Replica) | 48 | 02 | 50 |
| M.Phil Applied Psychology | 20 | -- | 20 |
| MS Health Psychology | 20 | -- | 20 |
| Ph.D Applied Psychology | 10 | -- | 10 |

Gender-wise Detail

| Class | Semester | Male | Female |
|----------------------------------|-----------------|-------------|---------------|
| BS (4-Years) Morning | Semester-I | 01 | 56 |
| | Semester-III | 06 | 37 |
| | Semester-V | 01 | 35 |
| | Semester-VII | 01 | 28 |
| BS (4-Years) Replica | Semester-I | 00 | 44 |
| M.Sc. Morning | Semester-I | 02 | 44 |
| | Semester-III | 05 | 39 |
| M.Sc. Replica | Semester-I | 03 | 48 |
| | Semester-III | 01 | 29 |
| M.Phil Applied Psychology | Semester-I | 01 | 19 |
| | Semester-III | 03 | 07 |
| MS Health Psychology | Semester-I | 00 | 07 |



| | | | |
|--------------------------------|--------------|---|----|
| | Semester-III | 00 | 12 |
| Ph.D Applied Psychology | Semester-I | Admissions not offered in Fall Semester | |
| | Semester-III | 1 | 3 |

Employability

Our graduates are serving in wider settings, i.e. Universities, Colleges, Hospitals, NGOs, Armed Forces and also as Consultants. Employability is quite high and they working as academicians, researchers and as private practitioners.

Faculty-student ratio

| | | |
|----------------|-----------------|-------|
| No. of Faculty | No. of Students | Ratio |
| 12 | 433 | 1:37 |

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Basic enrolment (2013-14)

| Name of Program | Enrolment |
|------------------------------------|-----------|
| BS Biochemistry | 45 |
| BS Biotechnology | 45 |
| M. Sc. Biochemistry/ Biotechnology | 35 |
| MS Biochemistry | 15 |
| MS Biotechnology | 15 |
| Ph. D Biochemistry | 07 |

Gender-wise Detail

| Regular | | BS 4 Years | | | Master | | | MS | | | Ph. D. | | |
|-----------|-----------------|------------|--------|------------|--------|--------|-----------|------|--------|-----------|--------|--------|-----------|
| Semester | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Part-I | 1 st | 13 | 77 | 90 | 0 | 35 | 35 | 2 | 28 | 30 | 2 | 5 | 7 |
| Part-II | 3 rd | 6 | 66 | 72 | 3 | 29 | 32 | 5 | 24 | 29 | 0 | 5 | 5 |
| Part-III | 5 th | 4 | 62 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 11 |
| Part-IV | 7 th | 3 | 42 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub-Total | | 26 | 247 | 273 | 3 | 64 | 67 | 7 | 52 | 59 | 5 | 18 | 23 |

Employability

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

Faculty-student ratio

| Class | Regular Faculty | Students | Students ratio |
|-------|-----------------|----------|----------------|
| BS | 22 | 273 | 12.40 |



| | | | |
|--------|----|----|------|
| M. Sc. | 18 | 67 | 3.72 |
| MS | 15 | 59 | 3.93 |
| PhD | 7 | 12 | 2.00 |

SCHOOL OF BIOLOGICAL SCIENCES

○ Basic Enrolment

FOLLOWING Ph.D. STUDENTS WERE ADMITTED IN JULY, 2013

Ph.D.

| S. # | Name of Students |
|------|--|
| 1 | Muhammad Ahsan Butt S/o Muhammad Sohail Butt |
| 2 | Mohsina Akhter D/o Arif Ali |
| 3 | Noor ul Ain D/o Rana Arshad |
| 4 | Anam Tariq D/o Tariq Zulfiqar |
| 5 | Sadaf Ilyas D/o Muhammad Ilyas |
| 6 | Muhammad Kazim Khan S/o Muhammad Naseem |
| 7 | Zell-e-Humma D/o Rehmat Ullah |
| 8 | Memoon Ramzan D/o Jam Muhammad Ramzan |
| 9 | Khadija Rafiq D/o Muhammad Rafiq |
| 10 | Muhammad Sulaiman Saeed S/o Muhammad Saeed Shaheen |

M.Phil Leading to Ph.D

| S. # | Name of Students |
|------|--|
| 1 | Faiza Asghar D/o Syed Asghar |
| 2 | Iqra Jabbar D/o Jabbar Ismail |
| 3 | Muhammad Ali S/o Muhammad Rafiq |
| 4 | Sadia Israr D/o Israr Hussain |
| 5 | Farah Deebea D/o Iftikhar Ellahi |
| 6 | Faiza Asghar D/o Syed Asghar Ali |
| 7 | Ayesha Pervez D/o Pervez Mustafa |
| 8 | Samia Falak D/o Falak Sher |
| 9 | Ayesha Talib D/o Talib Hussain |
| 10 | Fayqa Komal D/o Muhammad Anwar Saeed |
| 11 | Abeedha Tu Allah D/o Muhammad Naeem Khan |
| 12 | Muhammad Shahzad Ali S/o Muhammad Munir |
| 13 | Fozia Akhtar D/o Mohammad Akhtar |
| 14 | Khayam Javed S/o Raja Javed Afzal |
| 15 | Majida Atta Muhammad D/o Atta Muhammad |



B.Sc (Hons.), M.Sc and Ph.D. scholars of other departments of Punjab University and other institutions had spent six months to a year and learnt research techniques and conducted thesis research.

○ **Gender-wise Detail**

| | | | |
|---|------------------------|--------|----|
| A | Ph.D | Female | 07 |
| | | Male | 03 |
| B | M.Phil Leading to Ph.D | Female | 12 |
| | | Male | 03 |

○ **Employability**

So far 80% of the scholars graduated from SBS have got employment.

○ **Faculty Student Ratio**

The faculty student ratio is 1: 10 at the moment.

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

- Basic enrolment

Total Enrolled Students = 223

- Equity
- Gender-wise Detail

Male = 96, Female = 127

- Employability

One male appointed as Naib Qasid in department of Arabic, University of the Punjab, Lahore.

- Faculty-student ratio

1 Teacher = 22 Students

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- Basic enrolment

- i. 13 students are admitted in M.A Kashmiryat Part-I for the Year 2013-14
- ii. 01 students is admitted in M.Phil Kashmiryat in 2013-14
- iii. 03 students are admitted in Ph. D Kashmiryat in 2013-14

- Gender wise Detail

| | Programs | Male | Female |
|-------------------|----------|------|--------|
| M.A Kashmiryat | 2013-14 | 09 | 04 |
| M.Phil Kashmiryat | 2013-14 | | 01 |
| Ph.D Kashmiryat | 2013-14 | 01 | 02 |

- Employability (Maximum 02 Lines)



- Faculty Student Ratio

Faculty of Kashmiryat Student Ratio

04 Ph.D Teachers

DEPARTMENT OF PERSIAN

- Basic enrolment
 - 26 students are admitted in M.A Persian Part-I for the Year 2013-14
 - 02 students are admitted in Ph.D Persian (Spring Session) in 2013-18
 - 11 students are admitted in M.Phil Persian (Spring Session) in 2013-15
 - 10 Students are admitted in Diploma in Persian Session 2013-2014
- Gender wise Detail

| Programs | | Male | Female |
|------------------------|----------------------------|-----------------|--------|
| M.A Persian Part-II | Session 2013-15 | 06 | 18 |
| M.A Persian Part-I | Session 2014-16 | 11 | 12 |
| M.Phil Persian Part-II | (2013-2015 Spring Session) | 06 | 04 |
| M.Phil Persian Part-I | (2014-2016 Fall Session) | 05 | 10 |
| Ph.D Persian | 2009-14 | 4 | 3 |
| Ph.D Persian | 2010-15 | - | 08 |
| Ph.D Persian | 2011-16 | None- Admission | |
| Ph.D Persian | 2012-17 | 03 | 05 |
| Ph.D Persian | 2013-18 (Spring) | 01 | 01 |
| Ph.D Persian | 2014-19 | None- Admission | |

- Faculty Student Ratio

Faculty of Persian Student Ratio

09 Ph.D Teachers and

01 Non Ph.D

DEPARTMENT OF PUNJABI

- Basic enrolment

23 students are admitted in M.A Punjabi Part-I for the Year 2013-14
- Gender wise Detail

| Programs | Male | Female |
|------------------------|------|--------|
| M.A Punjabi 2013-14 | 10 | 13 |
| M.A Punjabi 2014-15 | 12 | 19 |
| M.Phil Punjabi 2014-15 | 07 | 08 |
| Ph.D Punjabi 2014-15 | 0 | 03 |

- Faculty Student Ratio

**Faculty of Punjabi**

08 Ph.D Teachers

Student Ratio

72

DEPARTMENT OF URDU

- Basic enrolment

69 students are admitted in M.A Urdu Part-I for the Year 2013-14

20 students are admitted in M.Phil Urdu in 2013-14

08 students are admitted in Ph.D Urdu in 2013-14

- Gender wise Detail

| Programs | Male | Female |
|---------------------|------|--------|
| M.A Urdu 2013-15 | 30 | 39 |
| M.A Urdu 2014-16 | 29 | 44 |
| M.Phil Urdu 2013-15 | 13 | 07 |
| M.Phil Urdu 2014-16 | 12 | 19 |
| Ph.D Urdu 2010-16 | 07 | 09 |
| Ph.D Urdu 2012-17 | 06 | 05 |
| Ph.D Urdu 2013-18 | 03 | 05 |
| Ph.D Urdu 2014-19 | 12 | 8 |

- Faculty Student Ratio

Faculty of Urdu**Student Ratio**

07 Ph.D Teachers and

248

01 Non Ph.D

Faculty of Pharmacy**UNIVERSITY COLLEGE OF PHARMACY**

- Basic enrolment
- Gender-wise Detail

| Pharm.D Morning Class | | | |
|------------------------------|------------|------------|------------|
| Year | M | F | Total |
| 1st Prof | 41 | 130 | 171 |
| 2nd Prof | 33 | 112 | 145 |
| 3rd Prof | 25 | 91 | 116 |
| 4th Prof | 21 | 72 | 93 |
| Final Prof | 14 | 83 | 97 |
| Sub-Total | 134 | 488 | 622 |



| Pharm.D Evening Class | | | |
|------------------------------|------------|------------|--------------|
| Year | M | F | Total |
| 1st Prof | 28 | 103 | 131 |
| 2nd Prof | 21 | 104 | 125 |
| 3rd Prof | 22 | 84 | 106 |
| 4th Prof | 21 | 72 | 93 |
| Final Prof | 17 | 67 | 84 |
| Sub-Total (ii) | 109 | 430 | 539 |

| M.Phil | | | |
|---------------|-----------|-----------|--------------|
| | M | F | Total |
| Ist Semester | 19 | 30 | 49 |
| 2nd Semester | 13 | 31 | 44 |
| Total | 32 | 61 | 93 |

| Ph.D | | | |
|----------------------|-----------|-----------|--------------|
| | M | F | Total |
| Ist year | 10 | 6 | 16 |
| 2nd year | | | |
| 3 rd year | 8 | 2 | 10 |
| 4 th year | | | |
| 5 th year | 12 | 6 | 18 |
| Total | 30 | 14 | 44 |

- **Employability**

The College graduate have good employability. The graduate of the College are serving locally as well as internationally.

- **Faculty-student ratio**

| Pharm-D (Morning Class) | | |
|--------------------------------|----------|-------|
| Teachers | Students | Ratio |
| 34 | 622 | 18.29 |

| Pharm-D (Evening Class) | | |
|--------------------------------|----------|-------|
| Teachers | Students | Ratio |
| 34 | 539 | 15.85 |

| M.Phil | | |
|---------------|----------|-------|
| Teachers | Students | Ratio |
| 34 | 93 | 2.73 |



| Ph.D | | |
|----------|----------|-------|
| Teachers | Students | Ratio |
| 8 | 44 | 5.50 |

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

Gender-wise Detail

| Sr. No. | Session | Programme | Gender Wise | | Total |
|---------|-----------|---|-------------|--------|-------|
| | | | Male | Female | |
| 1. | 2012-14 | M.Phil. Solid State Physics | 14 | 6 | 20 |
| | 2013-15 | | 9 | 14 | 23 |
| | 2014-16 | | 8 | 16 | 24 |
| 2 | 2012-14 | M.Phil. Microelectronic Engineering & Semiconductor Physics | 7 | 5 | 12 |
| | 2013-15 | | 8 | 7 | 15 |
| | 2014-16 | | 6 | 12 | 18 |
| 3 | 2012-14 | MS. Nanotechnology | 8 | 2 | 10 |
| | 2013-15 | | 4 | 7 | 11 |
| | 2014-16 | | 6 | 9 | 15 |
| 4. | 2013-2018 | Ph.D. | 2 | 2 | 4 |
| 5. | 2014-2019 | Ph.D. | 6 | 4 | 10 |

Employability

These graduates are being employed by Education departments, R&D departments and some go for Ph.D.

Faculty-student ratio

| Sr.No. | Teacher | Students |
|--------|-------------|-------------------------|
| 1. | 12 Teachers | 11 students per teacher |

CENTRE FOR HIGH ENERGY PHYSICS

- Basic enrollment

Report: Following students were admitted:

PhD: 18, *MPhil:* 20, *MSc:* 86, *BS:* 89.

Gender-wise detail

PhD: 12M, 06F, *MPhil:* 07M, 13F, *MSc:* 48M, 38F, *BS:* 53M, 36F

- Faculty-student ratio:



Report: Almost 18 students per teacher: Total Faculty: 32 (visiting: 14 and regular/contractual: 18, for 590 students).

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- **Basic Enrolment**

- M.Sc. (Morning) 46
- M.Phil. (Morning) 32
- Ph. D. 09

- **Gender -wise Detail**

| Program | Male | Female |
|-------------------|-----------|--------|
| M.Sc. (Morning) | 25 | 21 |
| M.Phil. (Morning) | 19 | 13 |
| Ph. D. | 07 | 02 |
| Total | 51 | 36 |
| G. Total | 87 | |

- **Employability**

The Centre's graduates are highly demanding and are employed in national and international organizations both in public and private sectors. These organizations include:

- Water and Power Development Authority (WAPDA)
- Pakistan Council of Research in Water Resources (PCRWR)
- International Water Management Institute (IWMI)
- Climate Change, Alternate Energy and Water Resources Institute (CAEWRI), NARC, Islamabad.
- Pakistan Agriculture Research Council (PARC), Islamabad.
- Soil Conservation Department
- Pakistan Tourism Development Cooperation
- Sustainable Tourism Foundation of Pakistan
- Urban Unit Department
- Environment Protection Agency
- Forest Department
- Pakistan Meteorological Department
- Soil Survey of Pakistan
- Survey of Pakistan
- Universities/colleges in Pakistan
- Consulting firms/NGOs as NESPAK, ACE, PES, NDC, WFF and others

- **Faculty-Student Ratio**

| No. of Faculty | No. of Students | Ratio |
|----------------|-----------------|-------|
| 3 | 87 | 1:29 |

**CENTRE FOR UNDERGRADUATE STUDIES**

- Basic Enrollment (Seniors + Juniors)

| Discipline | Students |
|--------------------------|----------|
| BS (4 Years) Botany | 48 |
| BS (4 Years) Chemistry | 108 |
| BS (4 Years) Mathematics | 64 |
| BS (4 Years) Statistics | 129 |
| BS (4 Years) Zoology | 64 |

- Gender-wise details

| Discipline | Male | Female |
|--------------------------|------|--------|
| BS (4 Years) Botany | 4 | 44 |
| BS (4 Years) Chemistry | 17 | 91 |
| BS (4 Years) Mathematics | 15 | 49 |
| BS (4 Years) Statistics | 31 | 98 |
| BS (4 Years) Zoology | 8 | 56 |

- Employability

| Category | Number |
|---------------|--------|
| Librarian | 1 |
| Assistant | 1 |
| Senior Clerk | 2 |
| Senior KPO | 1 |
| Junior KPO | 1 |
| Junior Clerk | 2 |
| Lab Assistant | 1 |
| Lab Attendant | 4 |
| Store Keeper | 1 |
| Naib Qasid | 1 |
| Plumber | 1 |
| Farash | 2 |
| Khakroob | 3 |
| Driver | 1 |

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Basic enrolment 1223

Gender-wise Detail



BACHELOR DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | M | F | M | F | M | F | M | F |
| Morning | 16 | 49 | 15 | 50 | 13 | 42 | 10 | 45 |
| Replica | - | - | - | - | - | - | - | - |
| Evening | - | - | - | - | - | - | - | - |

MASTER DEGREE

| | 1 st Year | | 2 nd Year | |
|-------------------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| MORNING | | | | |
| M.Sc. Statistics | 12 | 51 | 10 | 58 |
| M.Sc. Actuarial Science | 19 | 44 | 15 | 40 |
| REPLICA | | | | |
| M.Sc. Statistics | 18 | 55 | 17 | 49 |
| M.Sc. Actuarial Science | 24 | 17 | 14 | 18 |
| EVENING | | | | |
| M.Sc. Biostatistics | 06 | 09 | 11 | 21 |
| MIOM (2 sections) | 69 | 53 | 54 | 49 |
| MBSM (2 sections) | 66 | 69 | 61 | 55 |

M.PHIL DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Regular | 10 | 30 | 09 | 20 |

PH.D. DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | 2 | 7 | 6 | 4 | 3 | 7 | | | | |

Employability

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

**Faculty-student ratio**

| No. of Faculty | No. of Students | Ratio |
|---|-----------------|-------------|
| 16 (Permanent & Contract) | 1322 | 1:83 |
| 16 + 23 = 39 (Permanent / Contract & Visiting) | 1322 | 1:34 |

DEPARTMENT OF GEOGRAPHY

- Basic enrolment : 347
- Gender-wise Detail

| Sr. No. | Programme | Male | Female | Total |
|---------|-----------|------|--------|-------|
| 1. | BS | 100 | 86 | 186 |
| 2. | M.Sc. | 44 | 91 | 135 |
| 3. | M.Phil | 8 | 13 | 21 |
| 4. | Ph.D. | 1 | 4 | 5 |

- **Employability**

The graduates of this department are being accommodated in various government as well as non-government organizations like education department, Census of Pakistan, Survey of Pakistan, WWF, research organizations and can perform well in PCPSC, FCPS, Urban Unit, competitive examination held by the federal and provincial governments.

- Faculty-student ratio

| No. of Faculty Member | No of Students | Ratio |
|-----------------------|----------------|-------|
| 8 | 347 | 43.37 |

DEPARTMENT OF MATHEMATICS

- Basic enrolment 485
- Gender-wise Detail

| Level of Education | Male | Female |
|---|------|--------|
| Bachelor Morning 1 st Year (1 st Semester) | 15 | 24 |
| 2 nd Year (3 rd Semester) | 05 | 27 |
| 3 rd Year (5 th Semester) | 03 | 25 |
| 4 th Year (7 th Semester) | 03 | 22 |
| Master Morning [Includes executive courses as well] 16 years of Education:1 st Year | 33 | 43 |
| 2 nd Year (3 rd Semester) | 17 | 49 |
| Master Evening 1 st Year | 56 | 26 |
| 2 nd Year | 36 | 27 |
| M. Phil 1 st Year(1st Semester) | 07 | 21 |



| | | |
|---|----|----|
| 2 nd Year(3 rd Semester) | 04 | 15 |
| PhD 1 st Year (1 st Semester) | 04 | 09 |
| Already enrolled | 03 | 11 |

Employability

Sixteen (16) Teaching Faculty members.

Twenty one (21) Non-teaching staff.

| Faculty | Students |
|---------|----------|
| 16 | 485 |

- Faculty-student ratio

DEPARTMENT OF PHYSICS

- Basic enrolment
- Gender-wise Detail

BACHELOR DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | M | F | M | F | M | F | M | F |
| Morning | 21 | 23 | 07 | 24 | 10 | 14 | 03 | 16 |
| Replica | - | - | - | - | - | - | - | - |
| Evening | - | - | - | - | - | - | - | - |

MASTER DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| MORNING | 23 | 36 | 19 | 29 |
| M.Sc. Physics | | | | |
| REPLICA | | | | |
| M.Sc. Physics | Nil | | | |
| EVENING | | | | |
| M.Sc. Physics | Nil | | | |

M.PHIL DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Regular | 06 | 14 | 02 | 13 |

**PH.D. DEGREE**

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|---|----------------------|----|----------------------|----|----------------------|---|----------------------|---|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | 5 | 7 | 01 | 01 | 02 | 03 | 1 | 1 | 0 | 1 |

○ **Employability**

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

Faculty-student ratio

| No. of Faculty | No. of Students | Ratio |
|--|-----------------|---------------|
| 15+1=16 (Permanent & Contract) | 280 | 17.5:1 |
| 15 + 05 = 20 (Permanent, Contract & Visiting) | 280 | 14:1 |

DEPARTMENT OF SPACE SCIENCE**Basic enrolment**

193

Gender-wise Detail

BACHELOR DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | M | F | M | F | M | F | M | F |
| Morning | 24 | 10 | 17 | 12 | 19 | 13 | 15 | 13 |
| Replica | - | - | - | - | - | - | - | - |
| Evening | - | - | - | - | - | - | - | - |

MASTER DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Morning | 15 | 09 | 11 | 10 |
| Replica | - | - | - | - |
| Evening | - | - | - | - |



M.PHIL DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Regular | 06 | 10 | 01 | 02 |

PH.D DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | - | - | 06 | - | - | - | - | - | - | - |

Employability

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

Faculty-student ratio

| No. of Faculty | No. of Students | Ratio |
|--|-----------------|-------|
| 08 (Permanent) 2 on study leave | 193 | 1:24 |
| 8+22 = 30 (Permanent / (Contract & visiting)) | 193 | 1:6 |

INSTITUTE OF CHEMISTRY

Students are enrolled different disciplines. Following are the discipline in which admission of student takes place once in the year.

BS (4 years)**M.Sc (2 years)****M.Phil (2 years)****Ph.D**

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

Gender-wise Detail

| No of students | Male | Female |
|----------------|------|--------|
| | 153 | 582 |

There is huge market of jobs is opened for the passing out students of the Institute of Chemistry. Students may opt their professional career as teaching organization as well as in industries.



Table for teacher to students' ratio

| No of Teacher | No of Students |
|---------------|----------------|
| 28 | 735 |

NO. OF STUDENTS ENROLMENT BY SEX AND YEAR FOR ACADEMIC SESSION 2014-15

BACHELOR (BS) DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | |
|----------------|----------------------|------|----------------------|------|----------------------|------|----------------------|------|
| | M | F | M | F | M | F | M | F |
| Morning | 05 | 63 | 10 | 48 | 10 | 35 | 02 | 33 |
| Replica | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| Evening | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

MASTER (M.SC) DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|----|----------------------|----|
| | M | F | M | F |
| Morning | 08 | 64 | 11 | 61 |
| Evening | 30 | 54 | 21 | 62 |

M. PHIL DEGREE

| | 1 st Year | | 2 nd Year | |
|----------------|----------------------|-----------|----------------------|---------------------------------------|
| | M | F | M | F |
| Regular | 02 | 28 (fall) | 5 5 10 | 22 (spring) 25 (fall) 21 (fall) |

PH.D DEGREE

| | 1 st Year | | 2 nd Year | | 3 rd Year | | 4 th Year | | 5 th Year | |
|----------------|----------------------|----|----------------------|----|----------------------|----|----------------------|----|----------------------|----|
| | M | F | M | F | M | F | M | F | M | F |
| Regular | 04 | 16 | 09 | 12 | 06 | 08 | 08 | 11 | 07 | 19 |

DIPLOMA/CERTIFICATE

| | M | F |
|--------------------|------|------|
| Certificate | ---- | ---- |
| Diploma | ---- | ---- |



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

NO. OF STUDENTS QUALIFIED/PASSED BY SEX DURING ACADEMIC SESSION 2013-2014 (ACE)

| Program | | No. of students | | | |
|-------------|---------|-----------------|------|--------|------|
| | | Appeared | | Passed | |
| | | M | F | M | F |
| Bachelor | Morning | 01 | 30 | 01 | 24 |
| | Replica | ---- | ---- | ---- | ---- |
| | Evening | ---- | ---- | ---- | ---- |
| Master | Morning | 05 | 65 | 05 | 62 |
| | Replica | ---- | ---- | ---- | ---- |
| | Evening | 12 | 64 | 10 | 58 |
| Ph. D | | 07 | 10 | 07 | 10 |
| M. Phil | | 05 | 22 | 03 | 22 |
| Diploma | | ---- | ---- | ---- | ---- |
| Certificate | | ---- | ---- | ---- | ---- |

INSTITUTE OF GEOLOGY

Basic Enrollment

| Sr No | Name of Program | No. of Students Enrolled in 2013-2014 | | Total Number of Students | | |
|---------------|------------------------------------|---------------------------------------|-----------|--------------------------|-----------|------------|
| | | Male | Female | Male | Female | Total |
| 1. | B.S. Applied Geology (Morning) | 46 | 06 | 216 | 14 | 230 |
| 2. | B.S. Applied Geology (Replica) | NIL | NIL | NIL | NIL | NIL |
| 3. | M.Phil Applied Geology / Geomatics | 29 | 12 | 71 | 25 | 96 |
| 4. | PhD Applied Geology / Geomatics | 08 | 03 | 15 | 04 | 19 |
| TOTAL: | | 83 | 21 | 302 | 43 | 345 |

Employability

Graduate of the Institute of Geology have been employed in following public and private sector organizations in the country and abroad.

- Educational Institutes, Universities and Colleges.
- Pakistan Atomic Energy Commission.
- Geological Survey of Pakistan.
- Oil and Gas Development Corporation.
- Hydrocarbon Development Institute of Pakistan.
- National Engineering Services of Pakistan.



- Water and Power Development Authority (WAPDA).
- Meteorological Department of Pakistan
- Pakistan Mineral Development Corporation.
- Punjab Mineral Development Corporation
- Water & Sanitation Agency L.D.A.
- Road Research Laboratories.
- Azad Kashmir Mineral Development Corporation.
- Pakistan Council for Scientific and Industrial Research.
- Soil Survey of Pakistan.
- Gemstone Corporation of Pakistan.
- Resource Development Corporation.
- Frontier Works Organization.
- Pakistan Steel Mill.
- State Cement Corporation
- Ministry of Natural Resources
- Museum of Natural History.
- Industrial Development Finance Corporation.
- Regional Development Bank of Pakistan.
- EMCO
- Ravi Glass
- Pakistan Oil Field.
- OxidentalPakistan.
- Pakistan Petroleum Ltd.
- Union Texas of Pakistan.
- Associated Consulting Engineers.
- Directorate of Land Reclamation.
- PunjabLand Utilization Authority.
- Dams Safety Organization.
- Hydrogeology (WAPDA).
- Hydrogeology Directorate.
- Hydrology and Research.
- Pakistan Council of Research in Water Resources.
- Cone Drill.
- Bone Master.
- Rock Well.



- Schlumberger International.
- Mathtach International.
- LASMO Oil Pakistan Limited.
- Geo-Consultants Association

Faculty Students Ratio: 20:01

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Basic enrolment

2754 Total Enrolment of all programs

Equity

Justice, Fair play and Impartiality are the basic principles.

Gender-wise Detail

Students Enrollment (Morning)

| Semester | Existing Students Enrollment | | | | | | | | | | | |
|-----------|------------------------------|--------|-------|--------|--------|-------|--------|--------|-------|------|--------|-------|
| | Bachelor | | | Master | | | M.Phil | | | Ph.D | | |
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Fall 2014 | 257 | 99 | 356 | 33 | 23 | 56 | 55 | 30 | 85 | 11 | 10 | 21 |
| Fall 2013 | 246 | 97 | 343 | 24 | 6 | 60 | 30 | 17 | 47 | 5 | 1 | 6 |
| Fall 2012 | 236 | 86 | 322 | -- | -- | -- | -- | -- | -- | 4 | 1 | --5 |
| Fall 2011 | 163 | 47 | 210 | -- | -- | -- | -- | -- | -- | 2 | 1 | --3 |
| Fall 2010 | -- | -- | - | -- | -- | -- | -- | -- | -- | 7 | -- | 7 |
| | 902 | 329 | 1231 | 57 | 59 | 11 | 85 | 47 | 132 | 29 | 13 | 42 |

Self- Supporting Program (Afternoon)

| Semester | Existing Students Enrollment | | | | | | | | | | | |
|-----------|------------------------------|--------|-------|--------|--------|-------|--------|--------|-------|------|--------|-------|
| | Bachelor | | | Master | | | M.Phil | | | Ph.D | | |
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Fall 2014 | 224 | 75 | 319 | 28 | 22 | 50 | -- | -- | -- | -- | -- | -- |
| Fall 2013 | 225 | 71 | 296 | 30 | 25 | 55 | -- | -- | -- | -- | -- | -- |
| Fall 2012 | 257 | 55 | 312 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fall 2011 | 177 | 31 | 208 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 903 | 232 | 1135 | 58 | 47 | 105 | -- | -- | -- | -- | -- | -- |

Total Students Enrolment (Morning & Afternoon)

| Semester | Existing Students Enrollment | | | | | | | | | | | |
|--------------------|------------------------------|------------|-------------|------------|------------|------------|-----------|-----------|------------|-----------|-----------|-----------|
| | Bachelor | | | Master | | | M. Phil | | | Ph. D | | |
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Total (i) | 902 | 329 | 1231 | 57 | 59 | 116 | 85 | 47 | 132 | 22 | 13 | 35 |
| Total (ii) | 903 | 232 | 1135 | 58 | 47 | 105 | -- | -- | -- | -- | -- | -- |
| Grand total | 1805 | 561 | 2366 | 115 | 106 | 221 | 85 | 47 | 132 | 22 | 13 | 35 |

Employability

Our enriched and balanced curriculum enables our graduates to meet the changing needs of employers. In spring 2014, more than 75% of our graduates were hired before the end of their degree with the active support/assistance of our Placement Office especially established for this purpose.

**Faculty-Student Ratio**

| Degree Programs | No. of Students | Student Teacher Ratio |
|-----------------|-----------------|-----------------------|
| BS | 2366 | 38:01 |
| M.Sc. | 21 | 3:01 |
| M. Phil | 132 | 02:01 |
| Ph. D | 35 | 02:01 |

SCHOOL OF PHYSICAL SCIENCES○ **Basic enrolment**

Different researchers, faculty members & postgraduate students come to SPS to use state of the art equipments in their research projects. School of Physical Sciences is also planning to start its own admission in M. Phil & PhD in the fields of Chemistry, Biochemistry and Physics in upcoming years.

○ **Equity**

Students and researchers are allowed to use resources of School of Physical Sciences without any gender discrimination, race and cast.

○ **Gender-wise Detail**

Not Applicable

○ **Employability**

Not Applicable

○ **Faculty-student ratio**

Not Applicable

Punjab University Gujranwala Campus

Basic enrollment : 2441

Gender-wise detail:

Male: 1256

Female : 1185

| Programme | Male (Morning) | Female (Morning) | Male (Afternoon) | Female (Afternoon) |
|-----------------------|----------------|------------------|------------------|--------------------|
| MBA (Hons) 1.5 Year | 63 | 49 | - | - |
| BBA (Hons) | 99 | 175 | 114 | 113 |
| M.Com (Hons) 1.5 Year | 38 | 22 | - | - |
| M.Com. 3.5 Years | 24 | 100 | 47 | 93 |
| B.Com. (Hons) | 134 | 141 | 156 | 87 |
| M.Sc. IT | 15 | 92 | 41 | 67 |
| BS. IT | 121 | 84 | 153 | 43 |
| LL.B 3 Year Programme | 116 | 70 | 135 | 49 |
| Total | 610 | 733 | 646 | 452 |

Employability:

All the programmes at the Gujranwala Campus are professional in nature and most of the passed out students (male and female) are working at executive positions in the national and multinational organizations.

Faculty Student Ratio: one teacher for 37 students: (1:37)



Punjab University Jhelum Campus

Gender-wise detail:

Male : 122 Female : 58

Employability

Since the Punjab University Jhelum Campus has been started w.e.f 23rd April 2012 therefore, the academic sessions are under process and no graduate has so far passed out.

Faculty student ratio : 1 : 45



Chapter

6

UNIVERSITY BUILDING ECONOMIES

- *University-Industry Linkage/Collaboration*
- *New Initiatives*
- *Technology Incubation Centre*
- *Patents*
- *Internship and Placement Office*
- *Student Counseling and Career Guidance*



CHAPTER

6

University Building Economies

Faculty of Arts & Humanities

COLLEGE OF ART & DESIGN

- Internship and Placement Office

Internship is offered as requirement of the degree of BFA and MFA in a number of organizations both in Public and Private Sector such as:

- Lahore Zoo
- Hospitals
- Newspapers
- Government Sector
- NGOs

DEPARTMENT OF ARCHAEOLOGY

New Initiatives

Development of Teaching Museum

Student Counseling & Career Guidance

Teachers guide the students regarding their studies and career as well

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **University- Industry Linkages/ Collaboration**
St. Andrews University, Scotland.

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

- New Initiatives :

The department launched its very first newsletter during 2013-2014 highlighting departmental academics, students' achievements, faculty awards and honours, besides sharing information regarding new courses and events at the department. This initiative was highly appreciated by the worthy Vice Chancellor, respectable Deans and colleagues of the University.

The students' magazine is another fresh initiative taken by the department of French. The students are invited to send their contributions and articles in French or English. The first issue is being planned currently. The achievements of students and faculty will also be highlighted in the



magazine. It is hoped that, *insha Allah*, this magazine will prove a source of inspiration for the entire French community in Pakistan, especially those living in Lahore.

- Student counseling and career guidance :

The department is providing good student counseling and career guidance services through Students Advisors. The two faculty members were given this responsibility to provide quality and authentic information and guidance and to solve students' problems related to everyday life issues. Ms. Sabrina Rassool was Student Advisor for BS (hons) program and Ms. Saira Riaz was Student Advisor for Master program.

PAKISTAN STUDY CENTRE

- University-Industry Linkage

The Centre is trying to play a more effective role in the promotion of academic and research collaboration with other universities, Pakistan Study Centres and other institutions. The Centre has established linkages with scholars and academicians of national and international repute.

- New Initiatives
- Technology Incubation Centre
- Patents
- Internship and Placement Office
- Student Counseling & Career Guidance

The Centre has been in contact with Punjab University's Student Counseling and Career Guidance Centre.

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- University-Industry Linkage / Collaboration
 - Continuously in contact with the public and private sector demands. Awareness raising seminars, conference and conducting research on the women & gender current issues on women & gender.

- Technology Incubation Centre : 30 computers having 24 hours internet facility

- Internships:

Students internship at women and gender development GOs and NGOs is an in-built component of the degree programme. Each year about 90 students are sent for two months internship in around 30 NGOs/GOs working for women/gender development.

INSTITUTE OF COMMUNICATION STUDIES

University- Industry linkage/Collaboration

New Initiative



Technology Incubation Centre

Patents

Internship and placement Office

PTV, ATV, ARY, GEO, AAJ TV, Apna TV, Indus, Royal TV, Din News, Duniya TV, PU FM 104.6, FM.100, FM 101, FM 103, APP, Daily News, Daily Nation, Daily Dawn, Daily Times, Daily Post, Daily Sun, Daily Jang, Daily Nawa-i-Waqt, Daily Khabrain, Daily Pakistan, Daily Insaf, Daily Express, Daily Jinnah, Daily Waqt, Daily Awaz, Daily Ausaf, Midas Public Relations, DGPR, Times & Space and Red Communication offer internship to the students of ICS and coordinators of all programs guide them to find jobs in the field.

Students Counseling and Career Guidance

The function of students counseling and career guidance is performed by the coordinator of the programs. Owing to their proper guidance students get good jobs in field. A career counseling committee has been established. The members include Ms. Abida Eijaz, Mr. Shafiq Ahmed Kamboh.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **University Industry Linkage**

MoU has been signed between University of the Punjab and Pakistan Poverty Alleviation Fund on the initiative of Institute of Social & Cultural Studies. ISCS assumes the role of representative of the university and manages the activities regarding the signed MoU.

○ Efforts are underway for MoUs with NESPAK and WAPDA.

○ **New Initiatives**

(i) M.Phil in Public Health

○ **Internship and Placement Office**

Internship of students is an in-built component of the curriculum taught in all the department of ISCS. This year almost 400 students were placed on internships in different national (Public and Private) as well as international organizations concerning their relevant field.

○ **Student Counseling and Career Guidance**

There is a regular activity of providing counseling to students by the permanent faculty at the ISCS. Special seminars have also been organized, inviting experts from the field for providing career guidance to students.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

We have strong College – Industry Linkages. We believe in gown town relationship. We have collaborated with Insurance Association of Pakistan.



New Initiatives

We have taken new initiative to sign MOUs with some Industrial Group, Banking, Insurance and Corporate Sectors for seeking their assistance in improving our educational system.

Internship and Placement Office

We have institutionalized arrangements for internship and Placement of our graduates. We facilitate participants regarding their Internships in relevant field of study.

Student Counseling and Career Guidance

Continuous students Counseling and Career Guidance is being provided by various faculty members of our College. This has proved to be very helpful. All faculty members have displayed Students' counseling hours on notice board and doors to facilitate the students regarding academic issues.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- New Initiatives
 - Liaison with industrial sector in future particularly for Business Economics
- Internship and Placement Office
 - Students of Master in Business Economics have to complete an internship program by the end of their session to complete the requirement of the degree. They are referred by the department to various multi-national companies and banks.

INSTITUTE OF ADMINISTRATIVE SCIENCES

- **Internship and Placement Office**

Over the years, we have developed a strong liaison with commercial and industrial houses, financial institutions and other organizations of national and international repute. During summer vacations, IBA engaged its students for six to eight weeks internship program with the following organizations. This rigorous training program not only adds value to the firm but also provides an opportunity to the students to polish their own skills.

| Sr. No. | Organization Name |
|---------|-----------------------------------|
| 1 | Acro Spinning & Weaving Mills Ltd |
| 2 | Aftab Associate Pvt Ltd |
| 3 | Allied Bank Limited |
| 4 | Al-Shafi Group of companies |



| Sr. No. | Organization Name |
|---------|----------------------------------|
| 5 | Askari Bank Ltd |
| 6 | Atlas Honda |
| 7 | Attock Petroleum Ltd |
| 8 | Azhar Group |
| 9 | Bank Alfalah Limited |
| 10 | Brighto paints |
| 11 | Caltax |
| 12 | CCL Pharmaceuticals |
| 13 | Coca Cola |
| 14 | Cupola International (Fast Food) |
| 15 | D.G. Cements |
| 16 | Dalda Foods |
| 17 | Dawn News |
| 18 | Dawood Hercules Chemical |
| 19 | Descon Engg. |
| 20 | Fatima Groups |
| 21 | FFC |
| 22 | FMC |
| 23 | Haleeb foods |
| 24 | Hameed Printing Mills Pvt Ltd |
| 25 | ICI |
| 26 | Interwood |
| 27 | Kasur Cooking Oil |
| 28 | Ksb Pumps Pvt Ltd |
| 29 | Lahore Chamber of Commerce |
| 30 | Maple Leaf Cement |
| 31 | Moblink Telcomm. |
| 32 | Nagina Group Pvt Ltd |
| 33 | NBP |
| 34 | Nespak |
| 35 | Nestle Pakistan Ltd |
| 36 | Nishat Mill |
| 37 | Orient Electronic |



| Sr. No. | Organization Name |
|---------|------------------------------|
| 38 | Orix Leasing Pakistan Ltd |
| 39 | Packages Pvt Ltd |
| 40 | PC Hotal |
| 41 | PECO |
| 42 | PEL |
| 43 | Pepsi International |
| 44 | Porsche (Cars) |
| 45 | PTCL |
| 46 | PTV |
| 47 | Sapphire |
| 48 | S.N. G.P.L |
| 49 | Schazoo Zaka (pvt)Ltd |
| 50 | Shadman Cotton Mills Pvt Ltd |
| 51 | Shoukat Khanum |
| 52 | Siemens Pakistan |
| 53 | Sparco Paints |
| 54 | State Bank of Pakistan |
| 55 | Telenor Telcomm. |
| 56 | Tetra Pak Ltd |
| 57 | The Bank of Punjab |
| 58 | Total Parco |
| 59 | Ufone |
| 60 | Warid Telcomm. |
| 61 | World Cell |

○ **Student Counseling and Career Guidance**

The student advisor is all the time available for student counseling at IBA.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

a) Linkages with Industry/Organizations.

The Institute of Business and Information Technology is actively working on developing and strengthening the relationships between academia and industry since its inauguration. We have established an Industrial Liaison Cell at IBIT with an aim to enhance professional networking and contacts with the local industry. During the academic year 2013-14, a few of the students who have graduated were placed at diversified organizations including leading banks, multinationals and



private sector organizations, while few students took admission in our MBIT via BBIT Program. We also provided continuous career counseling for our graduating students and guided them in developing resumes, interview preparations and assisted them in applying abroad for further studies. In the summer of 2014, 224 students of BBIT (Hon.) have done internships in diversified industries and organizations throughout Pakistan.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

New Initiatives

Department is planning three new degrees in B.Ed. Special Education and M.Ed. Special Education, Diploma in Speech and Language Sciences. Department has revised the whole scheme of studies of M.A. and M.Phil.

Technology Incubation Centre

Department has established one computer lab and one Audiology Lab with latest technology for the assessment of hearing.

Internship and Placement Office

The department developed a continuous professional development and placement cell to facilitate its students and alumni in career development and job searching.

Student Counseling and Career Guidance

For career guidance all students of Master's classes completed the four months internship at various institutions working for children with special needs.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

University-Industry Linkage/Collaboration: Professionals from different industries keep seeking guidance for solution of their problems regarding the utilization of coal.

New Initiatives: Initiation of M.Phil. Coal Technology Programme

Internship and Placement Office: Yes

Student Counseling and Career Guidance: Yes

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **University industry linkage**

We are trying to develop a linkage between our department and industry to give better product and technology of our society.

- **New initiatives**



Trying to develop relationships with Gulf and European Universities and we are working over it.

- **Technology Incubation Centre**

Because the department is newly build so we have no such centre.

- **Internship and Placement Office**

Because the department is newly build so we have no such activity.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

University-Industry Linkage / Collaboration

MOUs has been signed with different universities with in the country and abroad to exchange study program and also with different local research organizations e.g. PCSIR Labs, PSQCA, LCCI etc. to exchange expertise.

New initiatives

- Continual Professional Development Cell (CPDC)
- Collaboration with SNGPL for research projects
- Launching of short courses
- Organization of Co-curricular activities like celebration of Serat-ul-Nabi, Quaid and Iqbal days, Independence day, resolution day, Kashmir day.

Technology Incubation Centre

Faculty members are encouraged to carry out researches of commercial importance.

Patents

One patent has been published by Dr. Syed Nadir Hussain and one filed by Dr. Amir Shafeeq.

Internship and Placement Office

At the Institute the internship is the part of curriculum and mandatory requirement to get engineering degree. Every year Institute arranges Internship programs for students in Fifth semester with the facilitation of Industry and R & D organizations.

Student counseling and Career guidance

CPDC and student advisor has mandate for student counseling and career guidance. CPDC works in close contact with industry for the recruitment and placement of the young engineers in local enterprises.

A separate Career Counseling & Alumini office has been established. During 2014, eighteen (18) companies visited Institute for recruiting our graduates and Institute fully supported these recruitment drives.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

University-Industry Linkage / Collaboration

- Students of the Institute regularly visit Industries in their Industrial tours.



- Industrial training of 6-8 weeks is a part of curriculum at Institute of Quality & Technology Management.

New Initiatives

- Laboratories have been updated according to Pakistan Engineering Council requirements.
- Development of new lab is in progress.
- Three phase electric supply has been provided in one of the recently established labs of the Institute.

Internship and Placement Office

Internship is arranged regularly for BS industrial Engineering and MSc Quality & Performance Management programs. Several companies visit from time to time to take job tests for hiring students Job tests are also conducted by several reputed organizations to hire graduates of the institute.

Student counseling and Career Guidance

Cell is present in the institute and a teacher is incharge of this cell. Students contact the office for counseling and guidance.

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

Student Counseling and Career Guidance

Sheikh Zayed Islamic Centre is providing the Counseling and Career Guidance to the student. Dr. Ishtiaq Ahmad Gondal is providing the counseling and career guidance to the students of the Centre.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

University-Industry Linkage Associated with District Bar Council, High Court Bar, Supreme Court Bar

Internship and Placement Office Associated with the senior advocates having at least 10 years actual standing in the field of Law.

Student Counseling and Career Guidance

For most of the time of Faculty of Law provides counseling and career guidance to Law students. In this connection, Law Moots are arranged by the Law Moot Society under the supervision of teacher's incharge. These exercises' enhance the capacity building of the students for future challenges and opportunities. Moreover, the subject of trial advocacy and office managements are being taught to LL.B. students to make them able, how to manage office.



The visiting teachers are also engaged by the Law College to get maximum benefits from their legal experiences. The adjunct faculty offers the interested students to work with them as an associate by keeping in view the area of interest of students. The College also make necessary arrangements in the interest of students for frequent visit of District Courts and superior Courts in Pakistan. These arrangements act as catalyst for giving them a practical view over the working and procedure of these Courts.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Internship and Placement Office

- Mayo Hospital, Lahore
- Sir Ganga Ram Hospital, Lahore
- Services Hospital, Lahore
- Jinnah Hospital, Lahore
- Punjab Institute of Mental Health, Lahore
- Lahore General Hospital
- Fountain House, Lahore
- Amin Maktab, Lahore
- Dar-ul-Sakoon, Half Way House, Social Welfare Department Punjab
- Afiat, Social Welfare Department, Punjab
- Bait ul Mall Social Welfare Department, Punjab
- Dar ul Flah, Social Welfare Department, Punjab
- Chaman, Social Welfare Department, Punjab
- Shadab Training Institute for Speical Education
- Living Institute for Slow Learners, CCP, PU, Lahore

Student Counseling and Career Guidance

Counseling and Therapeutic Services

Centre is providing counseling services as well as therapeutic for the management of Anxiety, Depression, Anger, Self Esteem, Acute and Chronic Stress, Drug, marital Problems and Adjustment Problems.

Counseling services were provided by a team of Faculty Members and trainees of MS in Clinical Psychology to the aggrieved families in Gujrat fire incident on 4th June, 2013.

Assessment Services

Centre is also providing assessment services related to Personality, IQ, Neuropsychological and Achievement.



Living Institute for Slow Learners (LISL)

Living Institute for Slow Learners (LISL) is working to improve the functioning of children with special needs in the area of self-help, language, socialization, motor and cognition, to manage emotional and behavioral problems of children to enable them for inclusive education. For this purpose efforts are being done to enhance self-esteem, social skills, self-confidence and basic learning skills. Their associated and problematic behaviors are also managed in individual sessions. Management training is provided for major childhood disorders e.g. Attention Deficit Hyper Activity Disorder, Mental Retardation, Asperger's Syndrome, Autism and Learning Disorders and difficulties etc.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

University-Industry Linkage

Centre has collaboration with seed companies for field trials of transgenic plants and collaboration with different hospitals for medical and health related projects.

- Ali Akbar seeds Pakistan
- Aziz Group Pakistan
- AL- SEEMI seeds and Agri services
- FMC
- Four Brothers
- AgriFarm
- ABG Seeds
- Pioneer
- Layton Rahmatulla Benevolent Trust (LRBT) Hospital, ,
- Allama Iqbal Medical College (AIMC)/ Jinnah Hospital,
- Avicenna Medical College/Hospital, Lahore
- Mayo Hospital
- General Hospital

New Initiatives

We are in a process of making contracts with seed companies to collaborate with CEMB for transformation of genes in their elite varieties/hybrids.

Following projects are in progress as new initiatives

| Sr. # | Name of Projects / Programmes |
|--------------|--|
| 1 | Establishment of cGMP compliance protein purification Laboratory |
| 2 | Up gradation of Support Facilities/Amenities on the CEMB Campus |
| 3 | Expansion of Teaching in Molecular Biology |
| 4 | Cloning and Expression Studies of Recombinant Human Interferon Genes for Therapeutic Use |
| 5 | Construction of CEMB Sports Complex |



Internship and Placement Office:

CEMB also provide short internships in different disciplines to provide the young researchers hands on experience in basic and advance molecular biology techniques. Students from different universities every year join CEMB for internship. During 2013-14 twenty two internees from the following institutes completed their internship program at CEMB.

1. Lahore College for Women University
2. Kinnaird College
3. University of Veterinary and Animal Sciences
4. University of Health Sciences
5. The University of Lahore
6. Agriculture University Faisalabad
7. Bahawalpur Islamia University

DEPARTMENT OF BOTANY

Student Counseling & Career Guidance

Student Advisor provides counseling and career guidance to the students

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

○ University-Industry Linkage/Collaboration

Following industries were visited by the students of BS and MSc in the time period 1st October, 2012 to 30th Sep, 2013

1. AB-Mauri Yeast Fermentation Industry, December, 2013.
2. Shakar Ganj Sugar Mills, Jhang, Pakistan, May, 2014.

○ New Initiatives

1. Establishment of tumor metabolism laboratory
2. Biosafety II and III cabinets
3. Atomic Absorption facility
4. Cell culture facility
5. Anaerobic culturing facility
6. Experimental station (Tunnels and its wire houses)

○ Internship and Placement office

1. Two students of College of Earth and Environmental Sciences (CEES), University of the Punjab, Lahore , completed internship in the department
2. Two students of University of Lahore, completed internship in the department
3. Four students of Institute of Biochemistry and Biotechnology, University of Veterinary and Animal sciences, Lahore, completed internship in the Department.



○ **Student Counseling and Career Guidance**

The department has formulated Character Building Society (CBS) of the students, which organizes events related to different social issues and problems. It act as a plate form for student counseling and related issues.

INSTITUTE OF AGRICULTURAL SCIENCES

○ ***University-Industry Linkage/Collaboration***

We have already organized different University Industry Linkage Programme with the collaboration of **Institute of Research Promotion (IRP)**.

Invention to Innovation Summit 2013 Venue: University of the Punjab Date:9-10 April, 2013.

Institute of Agricultural Sciences, University of the Punjab, organized a seminar on 3 Oct, 2013 with the collaboration of **State Bank of Pakistan (SBP)** on “**Policy Adeqacy and Awareness seminar on Agriculture Financing**”

Institute of Plant Pathology, AARI, Faisalabad.

Maize and Millet Research Institute, Yousafwala, Sahiwal.

○ ***New Initiatives***

- Transgene technology for the purpose of producing virus resistant cotton plants, Kitchen Gardening, Tunnel Farming, Germplasm trials and seed production strategies, Conservation Agriculture, To promote Food Science & Technology (Introduction & preparation of several new products in the lab, such as jam, juices, dried vegetable powders).
- Mushroom cultivation has been started in the Institute of Agricultural Sciences and in near future spawn production will also be initiated.
- Rice germplasm conservation and enhancement: Rice germplasm conservation and enhancement is very important and basic tool for the development of new rice varieties through different breeding approaches. We have collected more than 300 rice germplasm lines (exotic + local) from different sources to increase the production and adaptability of some exotic rice varieties:

Objectives:

1. To launch a new breeding program
2. To increase yield
3. To improve quality
4. Breeding for resistant varieties against biotic and abiotic stresses.

○ **Technology Incubation Center**

Production of different food products in Food Sciences centre and isolation/identification of new pathogens for the improvements of crop plants in different laboratories of the institute by using our own resources.



- **Patents**

Dr. Naseer Ahmad

(1) **Ahmed, N.,** Rashid, N., Haider, M. S. and Akhtar, M.. (2013). Single Step Liquefaction and Saccharification of Corn Starch Using an Acidophilic, Calcium Independent and Hyperthermophilic Pullulanase. US PATENT Number 13/765,481 filed on 12/02/2013.

- **Internship and Placement Office**

Regular internship programme is being conducted and Institute has established a Placement Bureau office to deal with the business related to the availability of jobs for the graduates of IAGS.

INSTITUTE OF APPLIED PSYCHOLOGY

Student Counseling and Career Guidance

As psychologists we are sensitized to the students' psychological needs. While pursuing higher education, the students undergo a stressful and demanding time in their lives and they need help in coping with stress and optimizing their academic performance. Student Counseling and Assessment Services (SCAS) was therefore set up in 2005 at the premises of the Institute to provide counseling to university students in order to deal with their academic, emotional, social, adjustment, behavioral and other related problems. Initially the main objective of SCAS was to address the needs of Punjab University students, however owing to the increasing demand; these services were extended to the University employees. In order to facilitate and maintain the comfort level of the students, the SCAS has been moved to the premises of the University Health Centre since 2009.

Counseling services are offered by highly motivated, committed, fully trained and experienced professionals i.e. a team of clinical psychologists under the supervision of Director, Institute of Applied Psychology and Chief Medical officer, Health Centre. Ms. Sadia Shahzeb a Senior Clinical Psychologist is supervising counseling and assessment services provided at the SCAS. SCAS can be approached to set up appointments and seek advice. Detailed information about SCAS is available at <http://pu.edu.pk/scas/> Ph No. 042-99231256.

All contacts and communication with counselor are kept completely confidential. The services also help in developing skills needed for a successful student life mainly: stress reduction and management, time management, confidence building and assertiveness skills. The SCAS also performs psychological assessment of students and employees referred by the University competent authority. Group Counseling sessions are also conducted to address large group of students' issues such as confidence building, time management skills, assertiveness, prioritizing, interpersonal skills etc. SCAS runs awareness activities for University students in form of putting stalls, delivering orientation lectures in Departments and distribution of information leaflets. Our ultimate aim is to enable University students to maximally utilize their potentials to show outstanding academic performance in particular and to lead a healthy and quality life in general.



The number of students benefiting from counseling services has been increasing gradually and they have shown good progress.

The most commonly seen problems are listed as follows:

| Academic problems | Adjustment / relationship problems | Psychological problems | Personal |
|---|---|--|--|
| <ul style="list-style-type: none"> • Poor time management • Presentation anxiety • Lack of concentration/attention • Poor study habits. | <ul style="list-style-type: none"> • Adjustment issues in hostel • Adjustment problem in department • Problems in managing finances • Relationship problems with friends and family | <p>Mild level: Anxiety, Stress, Anger control problem, Lack of assertive skills, Lack of confidence, low self esteem</p> <p>Severe Level: Depression, suicidal ideation, Obsessive-compulsive disorder, Personality disorder, Schizophrenia, Delusional disorder</p> | <ul style="list-style-type: none"> • Self grooming, • Living habits • Inappropriate mannerism according to the social environment • Dietary habits • Sedentary life style |

Referrals:

The students referred to SCAS come either through self referral, through teachers of their respective departments, through medical professionals at the Health Centre and through the University competent authority.

Tasks Achieved:

- Development of Time Management Planner for the University Students developed by Prof. Dr. Rukhsana Kausar & Ms. Sadia Shahzeb.
- In addition to counseling, SCAS also offers Psychological Assessment Services and many students and employees have also availed these services.
- Research collaboration with Institute of Applied Psychology, University of the Punjab Lahore.
- Community work program was organized by Institute of Applied Psychology to give awareness and orientation about psychological well-being and counseling services provided at SCAS for University students.
- Group counseling sessions were also organized in the premises of Institute of Applied Psychology for Balochistani Students. Their individual problems in academics, adjustment, in language and in general were addressed in group sessions.

Future Plans:

The future goals being decided for uplifting the services of SCAS are as follows:

1. To raise awareness about psychological health and role of SCAS through presentation at departments of the University.



2. The Heads of the departments will be requested to nominate a teacher preferably student advisor as a liaison person for students referrals and follow ups.
3. Group sessions regarding common psychological problems among students will also be conducted.
4. In collaboration with Institute of Applied Psychology & Centre for clinical Psychology Staff training program will also be provided in future in collaboration with other professionals.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- University-Industry Linkage/Collaboration
Teachers of the Department have interpreted High Profile delegations of Kashmir visited the Department of Kashmiryat and make some concerns about the Literature of Kashmir.
- New Initiatives
- Technology Incubation Centre (if Applicable)
- Patents (in Number & detail about patent not more than one line)
- Internship and Placement Office

DEPARTMENT OF PERSIAN

- University-Industry Linkage/Collaboration
 - Prof. Dr. Muhammad Saleem Mazhar and Prof. Dr. Muhammad Nasir attended International Conferences at Iran and Tajikstan.

DEPARTMENT OF PUNJABI

- New Initiatives (**Established two chairs i.e. Baba Farid & Faqir Muhammad Faqir**)

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

- Internship and Placement Office
One officer is dealing with the internship program for Community Pharmacy, Hospital and Pharmaceutical Industry

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

- ❖ **University-Industry Linkage**
 - Many national and international organizations collaborate with the Centre to carryout research activities in terms of financing, data collection, analysis and finalization of research reports/Thesis.



❖ **Internship and placement office**

- One student of M.Sc. Mountain Conservation and Watershed Management (MCWM) did three months internship at Archifiles Lahore Pakistan.
- Two students of M.Sc. (MCWM) did internship in WWF Gilgit Baltistan.
- 05 students of M.Sc. (MCWM) did internship in WAPDA Lahore.
- 05 students of M.Sc. (MCWM) did internship in Pakistan Meteorological Department, Lahore.
- 05 students of M.Sc. (MCWM) did internship in Flood Forecasting Division, Lahore.
- 05 students of M.Sc. (MCWM) did internship in Urban Unit Department Lahore.

❖ **Student Counseling and career Guidance**

- Graduates of the CIMR are provide guidance and career counseling by the faculty members of the CIMR in line with their specialization and current scenarios in the country and abroad

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Internship and Placement Office

- i. A sub-office of Internship and Placement is being run to accommodate the students of this College.

Student Counseling and Career Guidance

- i. A sub-office for 'student counseling and career guidance' is also being operational to accommodate the students of this College.

DEPARTMENT OF PHYSICS

○ **Student Counseling and Career Guidance**

Yes, we do provide counseling services to the students of the Department.

DEPARTMENT OF SPACE SCIENCE

Student Counseling & Career Guidance

University of the Punjab has established an office for 'students counseling & career guidance'.

INSTITUTE OF CHEMISTRY

There are industry and University linkages. Different industries remain in contact with Institute of chemistry for quality testing for their raw material as well as finished products. We are in process of commercializing out some of our instruments in order to enhance the income sources. No patents yet published in the last year. There is no regular program of internship in our institute. In class rooms after the lectures often teachers talk about moral values and importance of right decision while choosing nature of profession.

INSTITUTE OF GEOLOGY

Institute of Geology provides consultancy services in material testing and mineral sector organization, WAPDA, NESPAK, and number of organizations in public & private sector.



New Initiatives

Development of Courses & Syllabi for M.S. degree in Natural Resources Development degree program to be initiated in next academic session.

Internship and Placement

- 04 students of BS Applied Geology got internship at the Building Research Station, Canal Road, Lahore
- 04 students of M.Phil Applied Geology got internship at the PCRWR Lahore.
- 03 students of M.Phil. and B.S. got internship / training at the
- 02 Students of BS Applied Geology got internship at the Oil and Gas Training Institute (OGTI), Islamabad

Student Counseling and Career Guidance

Graduates of the Institute are provided guidance and career counseling by the faculty members of the Institute in line with their specialization and current scenarios in the country and abroad.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Human Acceptance Autonomous Social Media Agent

A research and development project has been conducted at PUCIT during 2013 – 2014 with the title “Human Acceptance Autonomous Social Media Agent”. A funding of PKR 40,000/- was secured from National ICT R&D Fund under National Grassroot ICT Research 2013-14 for this project. Some of the goals and objectives of this project were:

To identify the potentially known social actions on Facebook and reproduce them programmatically

To architect a social Agent capable of choosing its own intentions and executing actions to achieve its goals

To implement the Agent and deploy it

To log the Agent’s activities for further evaluation of Acceptance level

3D Visualization of Search Engine on Android

A research and development project has been conducted at PUCIT during 2013 – 2014 with the title “3D Visualization of Search Engine on Android”. A funding of PKR 36250/- was secured from National ICT R&D Fund under National Grassroot ICT Research 2013-14 for this project. Some of the goals and objectives of this project are as under:

As there is a lot of work on search engines but there is one thing that is common. All engines including some famous names, shows data in linear fashion. User gets a list of documents depending upon his/her searched keyword(s). But as we are moving towards the user friendly environment, there is a need of 3D search engine, so that user can visualize his/her search and find out appropriate results. In order to achieve this we have to implement a multi-indexing algorithm, so we can show results in 3D



space, also a web crawler is needed who will continue crawling over the internet.

Internship and Placement Office

Since its establishment over 6 years ago, PUCIT Placement Office has played an important part in helping our graduates in availing suitable opportunities for part time and full time employment as well as paid and unpaid internships.

Student Counseling and Career Guidance

There isn't any **formal** channel for Student Counseling. Our Degree Supervisors and other faculty members use to give proper time to the students for their counseling.

To provide Career Guidance to the final year students, the Placement Office managed to arrange talks and discussion sessions by inviting experts from the leading software houses. More than 35 activities were held including Annual Job Fair, In-Campus Tests & Interviews and visits of Software Industry during 2014. Also more than 30 representatives from Software houses participated in Annual Job Fair last year in which 500 job opportunities were available for our about 450 graduates

SCHOOL OF PHYSICAL SCIENCES

○ **University-Industry Linkage/collaboration**

School of Physical Sciences, University of the Punjab, Lahore is planning to develop on its own & in coordination with ORIC industrial collaboration with different industries with the development of the projects related to physical, biochemical and molecular sciences.

Punjab University Jhelum Campus

New Initiatives

- Punjab University Jhelum Campus is planning to arrange different multinational companies / organizations / industrial tours and trying to establish linkages with the local industry for internship and employment of the students.
- The Law students have visited different Bars / Police Stations & District Jail for practical knowledge and experience.



Chapter

7

STRENGTHENING PHYSICAL INFRASTRUCTURE

- *Development Projects (Laboratories, Libraries, etc.)*
- *Research Equipment*
- *Construction Projects*



CHAPTER

7

Strengthening Physical Infrastructure

Faculty of Arts & Humanities

COLLEGE OF ART & DESIGN

- Development projects (Laboratories, Libraries, etc.)
A total of 14819 books are available in three libraries of the College. Total numbers of reference books are 400. No. of thesis are 13 and No. of Reports 160.
- Research Equipment (**Added during the said year**)
- Construction projects
PC-1 has been approved for the construction. Funding is awaited for the commencement of the construction.

DEPARTMENT OF ARCHAEOLOGY

Development projects (Laboratories, Libraries, etc.)

Development of New Teaching Museum

Establishment of New Computer Lab (in progress)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Development Projects (Laboratories, Libraries, etc)

The M. Phil, ELT and Linguistics sections of the Department Library have been computerized. The formation of electronic data-bank of MA English books is in progress.

Construction Projects

Construction of Undergraduate block for BS (4 years) English completed and inaugurated by the Worthy Vice Chancellor on 16th April, 2014.

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

Development projects (Laboratories, libraries, etc) :

Keeping in mind the extensive usage of computers in different courses of the semester, the French department upgraded the computers with the latest technology to facilitate students in their research activities. A good variety of books related to French language, literature, social, psychological and political issues improved the quality of library in the department of French.

DEPARTMENT OF PHILOSOPHY

Development projects (Laboratories, Libraries, etc.)

- The classrooms are equipped with audio visual and multimedia projectors facilities.



- The Library of the department is computerized and computer facilities are also available in the library.
- A separate computer lab for the research scholars and students is also available.

PAKISTAN STUDY CENTRE

- Development projects (Laboratories, Libraries, etc.)

The Centre's Library contains a good collection of books, journals, reports, newspapers covering a wide-range of themes related to history, politics, economy, geography, languages, culture and literature of Pakistan. There is also a sufficient collection on the South Asia, Central Asia and the Middle East. New books are being added on regular basis. The library receives more than 20 research journals covering a vast field of subjects particularly Social Sciences. The Library is also acquiring English and Urdu local newspapers.

- Research Equipment (**Added during the said year**)
- Construction projects

The construction of a new hall for library was completed and furnishing of the new hall is in progress.

Faculty of Behavioral & Social Sciences

INSTITUTE OF SOCIAL & CULTURAL STUDIES

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

In order to upgrade the library facilities 268 number of latest books has been added in the Institutes library. The detailed status of institute's library is as follows:

| Category | No. |
|---|----------|
| Total No. of General Books | 12000 |
| Total No. of Reference Books | 1000 |
| Total No. of Journals Subscribed (Foreign) | 02 |
| Total No. of Journals Subscribed (Local) Gifted | 05 |
| Total No. Thesis | 2500 |
| Total No. of Reports | - |
| Budget provision for book | 2,50,000 |
| Budget provision for other library requirements | |

- **Construction projects**

The first floor of ISCS is now completed and functional. It includes faculty offices, Class rooms, Library, Mosque, Research Centres and Ladies common room.



Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

Development Projects (Laboratories, Libraries, etc):

We have recently added 100 new computers of the State of Art and have also been strengthening our Library by purchasing several books.

Research Equipment:

We have provided Desktops and laptops to students with on campus WiFi facility.

Construction Projects:

We are in process of developing our program for undertaking revocation & repairs of old Halls that will be used for faculty and administrative staff.

HAILEY COLLEGE OF COMMERCE

| | |
|------------------------------|--|
| Development projects | 03 Computer Labs, 01 Open Shelf Library |
| Construction Projects | Plan to construct Multipurpose hall, Extension of Computer Labs |

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Development projects (Laboratories, Libraries, etc.)

Enhancement of the existing library by the inductions of new books and a new section. The Department of Economics has bought over hundred books in last year according to the need of the students.

Research Equipment

The Department has two computer labs according to the need of modern researches.

Construction projects

Civil works for annexation of another academics block are in progress. By the end of next year, the Department will get four more classrooms and two halls for computer labs.

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

- Development projects (Laboratories, Libraries, etc.)



1. The name of the Department has been changed from Department of Library and Information Science (DLIS) to Department of Information Management (DoIM) on 18 August 2014 (Notification no: D/3397/Acad.).
2. The Vice Chancellor, Prof. Dr. Mujahid Kamran allocated to DoIM the whole building, vacated by College of Statistical & Actuarial Sciences on 19 December 2014(Notification no: D/941/R dated: 19/12/2014).
3. Computer lab and departmental library were also expanded and renovated during the text period.
4. DoIM also increased the number of seat for MPhil/PhD programs such as from 10 seats to 20 and 15 seats respectively.
 - Research Equipment (**Added during the said year**)
 - Construction projects

INSTITUTE OF BUSINESS ADMINISTRATION

IBA Computer Labs

There are two fully equipped and modern computer labs for the students at IBA, having 170 state-of-the-art computers. These labs are equipped with multimedia projectors and sound systems.

IBA Library

| Sr. No. | Description | Quantity |
|----------------|---|-----------------|
| 1 | Total books available as on 30-09-2013 | 19,815 |
| 2 | New books added during the reporting period | 665 |
| 3 | Total book as on September 30, 2014 | 20,480 |

In addition to above books, IBA library is also regularly subscribing for 1 (one) foreign and 9 (nine) local famous journals.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

- a. Web Portal: www.ibitpu.edu.pk/
- b. Online Admission system: <http://www.ibitpu.edu.pk/admissions/>

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Development projects (Laboratories, Libraries, etc.)

Department established one computer lab and one Audiology Lab with latest technology used for hearing assessment.



Department extend its computer lab with Wi-Fi network.

Established Audiology lab with latest equipment used to diagnose hearing level.

Faculty of Engineering & Technology

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Development Projects**

Certain development projects have completed and following labs are established in this context

- Thermal analysis Lab
- Mechanical analysis Lab
- Polymer and material synthesis Lab
- Polymer processing Lab
- Spectroscopic Lab
- Paint and Coating characterization Lab
- We have 1 library related to our taught courses and research projects.

- **Research Equipments**

- Research Microscope
- Synthesis assembly
- Universal Testing Machine Floor Type
- Dynamic Mechanical Analyzer with Accessories
- Hardness Tester with different measuring ranges
- Pendulum Impact Testing Machine
- Lab Attritor
- Lab Scale Reactor
- Lab Mixing Extruder bench type
- Solution Viscometer
- High Temperature Press (Hydraulic)
- Gas permeability tester
- Ultrasonic Cleaner
- Cylindrical Mandrel Bending Tester
- Drying Time Recorder
- Wet Abrasion Scrub Tester
- Tubular Impact Tester
- Gloss Master
- Fineness Grind Gauge 0-100UMS wide



- Adjustable Film Applicators
- Hardness Tester
- Pinhole Detector
- Opacity Meter
- Spindle Viscometer
- Coating Thickness Tester
- Research Microscope
- Simultaneous Differential Scanning Calorimeter Thermo Gravimetric Analyzer (SDT Q600)
- Differential Scanning Calorimeter (DSC Q 200)
- Thermo Mechanical Analyzer (TMA Q400)
- Rheometer
- Gel Permeation Chromatograph (GPC)
- Fourier Transform Infrared Spectrophotometer (FTIR)
- Polymer Synthesis Pilot Plant
- Pervaporation Unit
- Bench Scale Reactors
- Polymer Synthesis Glass Assemblies
- Dip Goods Synthesis Plant
- Pipe Extruder
- Film Extruder
- Blow Moulding
- Injection Moulding
- Mechanical Stirrer
- Oil Bath
- Hot Plate Magnetic Stirrer
- Rotamental
- Orbital Shaker
- Glove Box
- **Construction Projects**
 - No recent project but all previous projects have been completed

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- Development projects (**Laboratories, Libraries, etc.**)
Department of Textile Engineering & Technology purchased 405 books for the library from 2008 to date.
- Research Equipment (Added during the said year)



Department of Textile Engineering & Technology purchased following pieces of equipment for its laboratories from 2008 to date.

List of Equipment

| | | |
|---------------------------------|--|--------------------------------------|
| Computerized microscopic system | Infra Red Dyeing Machine | Launder-o-meter-automatic |
| Yarn examining machine | HT Dyeing and Washing Machine | Perspiration tester |
| Automatic wrap reel for yarn | Padder | Water repellency tester |
| Twist tester | UTM (Universal strength testing machine) | Martindale abrasion & pilling tester |
| Lab knitting machine | Flammability tester 45° | Random Tumble Pilling Tester |
| Crock meter | Incubator Cabinet | Magnetic Stirrer Hot plate |
| AATCC Launder-o- Meter | PH Meter | Simple Hot Plate |
| Electronic Psychomotor | Analytical Balance | Yarn Examining Machine |
| WRAP WREEL | Reciprocating Vacuum Pump | Glass Ware A Grade |
| Digital Thermometer | Mechanical Shaker | Glass Ware B Grade |

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Development projects

The institute receives budget for its development projects from University of the Punjab and HEC.

Research Equipments

The institute has state of the art research labs. Upgradation of these labs is a continuous process. Recently, thermodynamics lab has been established with a grant of 2.6 million supported jointly ICET savings and Worthy Vice Chancellor's special grant. Postgraduate labs are adorned with state of the art Analytical and Experimental facilities:

Automatic Density Meter

Karl fisher Titration Apparatus

Particle Size Analyzer

CFBC Feeder

Flame Photometer

Analytical Balance

pH meter

Conductivity Meter

Refractrometer

Gas Chromatograph

Atomic Absorption Spectrometer

Micrometrics Chemisorb

Rheometer



Construction projects

- The faculty offices are being upgraded.
- Now department is working on an uninterrupted power supply by virtue of two generators and UPS installed. These generators have been purchased by the departmental savings and Worthy Vice Chancellor's special fund.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

Development projects (Laboratories, Libraries, etc.)

- Projects are in process to equip Laboratories as per requirements of Pakistan Engineering Council.
- Vice Chancellor of Punjab University has allocated Rs. 3.1 million to update Industrial Engineering laboratories from his special education funds.
- University of the Punjab has allocated Rs. 0.3 million to update the department library.

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

Development projects (Laboratories, Libraries, etc.)

- i. The Computer Lab. of the Centre has equipped with 26 computers.
- ii. 13905 books were available in the library but during the course of time 570 books were purchased. Now the total numbers of books in the library are 14475.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

Development projects

Strengthening of Academic Research and Clinical Services at Centre for Clinical Psychology, University of the Punjab, Lahore.

Construction Projects

The Project was approved by the DDWP of Higher Education Commission in its meeting held on 18th May, 2006. The ground breaking ceremony took place on 6th June, 2007 by the Vice-Chancellor, Punjab University, Lahore. The Project was completed in June, 2013 and inaugural ceremony was held on 28th June, 2013 by the Prof. Dr. Mujahid Kamran, worthy Vice Chancellor, University of the Punjab, Lahore.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Development Projects (Laboratories, Libraries, etc.)

- Strengthening of CEMB



- Establishment of National Centre for Stem Cell Research and Regenerative Medicine

Research Equipment

- Refrigerators
- Air-Handling Unit
- Cooling Tower
- UPS
- Temperature Control Units
- Microscopes
- Ultra Low Temperature Freezer -86°C
- Real Time PCR
- Nitrogen tank
- Cold cabinets
- Pipette man set
- CIRAS-3 Photosynthesis System

DEPARTMENT OF BOTANY

Development projects (Laboratories, Libraries, etc.)

A new research laboratory of “**Plant Biotechnology**” was developed in the Department of Botany, University of the Punjab, Lahore.

Research Equipment (Added during the said year)

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Development projects (Laboratories, Libraries, etc.)**
 - Establishment of Cell Culture Facility for culturing various cancer cell lines, used in tumor metabolism studies and in anticancer drugs screening
 - Establishment of a separate Tumor Metabolism Lab in the department.
 - Establishment of a new section of research lab 3 for handling/cultivation an experimentation on *Helicobacter pylori* and related organisms involved in stomach ulcer
 - Up gradation of Computer Lab with latest technology
 - WiFi in department

Research Equipment

Items Purchased from HEC’s National Research Program for Universities and from other departmental and university research grants

- Gel & Blot Imaging System
- Centrifuges
- Eucaryotic Cell Culture Incubator
- ELISA Reader



- Spectrophotometer
- Gel Electrophoresis Apparatus
- Microcentrifuge
- PCR
- Incubator
- Oven
- Electronic Balance, pH Meter, Refrigerators, Auto Pipettes and Electronic Pipette Controller
- -86 C lab freezers
- Glass ware, glass columns
- Culture media, chemicals etc

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- **Development projects (Laboratories, Libraries, etc.)**
50 i3 computers added in computer lab
- **Construction projects**
The construction of Two more class rooms has been completed.

INSTITUTE OF APPLIED PSYCHOLOGY

Development Projects (Laboratories, Libraries, etc.)

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

The Institute has an animal laboratory, the first of its kind in the country which provides opportunity to students to carry out pigeon experiments in the field of learning and conditioning. The students gain firsthand experience of demonstrating principles of operant conditioning on pigeons. The students learn to house, magazine train, conditioning through various schedules of reinforcement, generalization and extinction.

The human experimental lab is equipped with the latest apparatus to perform experiments on human memory, perception, learning, problem solving and other mental processes.

The planning is underway for establishing a computerized cognitive experimental lab where memory and language experiments will be carried out on computers as well as a behavioural observation lab equipped with one way mirror screen and video facilities along with a fully equipped neuropsychology lab, which will set a bench mark in the history of the Applied Psychology in Pakistan.

The Institute of Applied Psychology takes pride in having the largest collection of international and indigenous psychological tests and evaluative techniques and keeps on adding latest tests to its



list. Use of psychological tests is strictly monitored and is in accordance with the international codes of ethics. The major collection of tests falls under the following categories:

- Intelligence Scales and Tests
- Aptitude Tests
- Personality Inventories and Tests.
- Adjustment Tests
- Achievement Tests
- Art & Social Sciences Tests
- Diagnostic Tests
- Behaviour Checklists
- Language Tests
- Neuropsychological Tests
- Parental Stress Tests
- Family Relation Tests
- Interpersonal Problem Tests
- Self-Assessment Tests
- Reading Tests
- Cognitive Functioning Tests
- Executive Functioning Tests
- Memory Tests
- Vocational Tests

Research Equipment

Every year latest computers are added for the scholars of MS/MPhil and PhD. The institute also provides services of latest data analysis software for which training sessions are also arranged.

Each year New Psychological tests are added to the Institute's testing lab which is one of the best testing Lab with a wide range of psychological tests for the assessment of personality, intelligence, aptitude, neurological functioning, diagnostic scales, adjustment, etc.

Construction projects

Computer Lab has been constructed which hosts 100 users and is catering the needs of PhD, MPhil, MS, MSc and BS students.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Research Equipment

- Fractional Collector
- Micro Centrifuge Machine



- UV/Vis Spectrophotometer
- Medium Speed Refrigerated Centrifuge J2–21
- Shaking Water Bath
- Laboratory Refrigerator Digital

SCHOOL OF BIOLOGICAL SCIENCES

Development projects (Laboratories, Libraries, etc.)

The infrastructure of School is distributed in two double storied buildings, adjacent to each other, which are provided with all fixtures and facilities of any modern Molecular Biology and Analytical Chemistry labs. Presently there are 11 functional and fully furnished laboratories with the necessary equipment for research work in the first building. The second building, which is replica of the first building, houses some specialized laboratories/facilities, for example, Animal Cell Culture, Radioactivity, Cold Room, HPLC, Proteomics, Atomic Absorption, Maldi-Tof Mass Spectrometry, Human Growth Hormone Laboratory, Forensic Diagnostic and Research Laboratory etc, besides a small Lecture Hall. Another small building just behind the new block houses a Small Animal House, an Insectary and a Green House. Another wing with 14400 sq.ft plinth area is being constructed. This would enable the School to expand its existing research activities. The School had embarked upon an extensive formal practical training programme in Molecular Biology for researchers, faculty members and post-graduate students of this university, other universities in and outside Lahore in Punjab and other provinces of Pakistan. Twenty two faculty members got this training during the 2013. . School is making rapid progress and is heading towards its objectives with the concerted efforts of younger faculty members and the senior faculty members under the able guidance of a worlds renowned Director General.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

Development projects (Laboratories (Nil), LIBRARY, etc.) (for the year 2013-14)

| Sr. No. | Particulars | Available in 2013 | Addition | Total |
|----------------|--------------------|--------------------------|-----------------|--------------|
| 01 | Books | 5313 | 81 | 5394 |
| 02 | Research Journals | 235 | 21 | 256 |
| 03 | Thesis (M.A) | 278 | 06 | 284 |
| 04 | Thesis (M.Phil) | 03 | 02 | 05 |
| 05 | Ph.D Dissertation | 05 | 01 | 06 |

DEPARTMENT OF PERSIAN

- Renovated two Class Room of Department of Persian
- Renovated two Professor's Room.



DEPARTMENT OF PUNJABI

Installed one Multimedia's in Audio Visual Cell.

UNIVERSITY ORIENTAL COLLEGE

College Library

Oriental College Library is 2nd big library on language and literature of the University, comprising more than one lac collection including departmental Libraries:-

- | | | | |
|----------------------------|--------------|-----------------------|-------------|
| (1) College Section: | 45298 books | (2) Arabic: | 9695 books |
| (3) Persian: | 7809 books | (4) Urdu: | 19173 books |
| (5) Ref. | 3083 books | (8) Asiatic/Regional: | 2,017 books |
| (9) Oriental Publications: | 12000. books | | |

Computer Lab

Two combined Computer Labs for all the Teaching Departments and Institute of Languages of the College, comprises on 42 computers, the students, researchers and Teachers are facilitating with the Internet service.

Language Lab

A combined Language Lab for all the Teaching Departments of this College, is consisting of 30 heads with the facility of Audio-visual aid equipments, computer and Inter net service.

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

- Development projects
New Pharmaceutical Chemistry Research Laboratory for Postgraduates and refurbishment of pharmacognosy, physiology undergraduate have been established, renovation of other undergraduate Labs, and Animal house have also been established.
- Research Equipment
Rotary Evaporator
- Construction projects
Tough tile flooring for College of Pharmacy.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Development Projects

- Establishment of CIMR Meteorological Observatory with the collaboration of Pakistan Meteorological Department (PMD) (in progress).



- Soil and Water Quality Lab
- Up-grading of Computer Lab.
- Installation of Security Cameras
- Up keeping of surrounded area of main building of CIMR.

CENTRE FOR UNDERGRADUATE STUDIES

- **Development Projects**

- Development of Aloe Vera preservation research centre
- Installation of multimedia projectors in two class rooms
- Up gradation of fully functional video conference room
- Up gradation of Chemistry, Botany and Zoology lab

- **Research Equipment**

- Laboratory (Automated Autoclave, Compound Microscopes)

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Development projects (Laboratories, Libraries, etc.)

- Five research laboratories namely, Environmental Biotechnology Research Laboratory, Environmental Toxicology Research Laboratory, Advanced Analytical Research Laboratory, Environmental Quality Research Laboratory and GIS Lab and Weather Station were developed and completed.
- LED screens were also installed in the PhD room and Tourism and Hospitality Management laboratory.
- Three-Bin system was introduced in the college to segregate the solid waste generated at the primary storage sites, for utilization in waste-to-energy projects.
- Two new generators were purchased for the College to serve as back-up.
- New benches were placed in lawns at various places in the College.
- Internal fencing was completed to improve security conditions of the College.
- A new seminar room was completed in the Labs Block. It is currently equipped with two multimedia projectors, new seats, an amplifier as well as an air conditioner.
- Extensive plantation was completed in the College.
- A new car parking shed was constructed in the students parking area.
- Renovation of existing class rooms, laboratories and offices was completed. Office tables were repaired and polished, curtains washed, and new blinds installed. White wash and termite proofing was also done, keeping long-term preservation in mind.
- All offices and rooms in the Admin Block were furnished with room numbers and name plates.
- New air conditioners were installed in the recently furnished office block.



- Road survey equipment was obtained by the College in order to assist in research activities.
- A faculty lounge was reinstalled. Old sofas were re-furnished and repaired, a new rug was placed and an LED screen with cable connection was installed.



Generators



Students' Parking Shed



Internal Fencing



Benches



Three-Bin System



Seminar Room



COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Development projects (Laboratories, Libraries, etc.)

- The existing Computer Lab. is significantly updated by adding new & latest computers;
- The classrooms are equipped with audio visual and projector facilities;
- The Library of the College was computerized and computer facilities are also available in the Library;
- A separate computer lab for the research scholars is also established in the College.

Construction projects

- After launching of five masters level, one BS, one M.Phil and PhD programs, the existing building of College of Statistical and Actuarial Sciences, University of the Punjab, Lahore becomes insufficient. A master plan was developed and PU authorities not only sanctioned it but also provided land and finance for the construction of new purpose-built building of the College. The construction work of administration block and ground floors of five academic blocks have successfully completed and we have sifted there.
- The plan for the construction of first floors of academic blocks is also under the consideration.

DEPARTMENT OF GEOGRAPHY

- Development projects (Laboratories, Libraries, etc.): *5 Labs. & One Library*
- Research Equipment: *Sound level meter and 13 computers*

DEPARTMENT OF MATHEMATICS

- **Development projects (Laboratories, Libraries, etc.)**
 - i. Three Computer Labs.
 - ii. One Library
- **Research Equipment**
 - 116 Computers
 - 03 Multimedia

DEPARTMENT OF PHYSICS

Development projects (Laboratories, Libraries, etc.)

- The existing Computer Labs have been significantly updated by adding new & latest computers.
- The Library of the Department has been computerized and now students can avail computer facilities in the Library.
- A separate computer lab for the research scholars is also established in the Department.

Research Equipment

- The following research equipment/Labs are available in the Department for the M.Phil/ PhD research work.
- XRD Lab, Computer Lab, FTIR Lab, SPS Labs



INSTITUTE OF CHEMISTRY

A number of were purchased in order to boost the research trend in the institute. Like every year, in last year books related to literature and chemistry has been purchased. No considerable construction projects were launched in last year.

INSTITUTE OF GEOLOGY

- Upgraded the class rooms of the Institute
- Upgraded Engineering Geology Laboratory set-up.
- Upgrade the furnished the Geological Museum
- New construction of Seminar Hall

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Development projects (Laboratories, Libraries, etc.)

- Electronics Lab
- Open Source and E-Lancing Lab
- Remote Sensing & GIS Lab
- New Library established at PUCIT Quaid-e-Azam Campus (QAC)
- New Computer Lab. established at PUCIT QAC
- New DLD Lab. being established at PUCIT QAC

Research Equipment

The following research equipment was purchased for the said tenure.

| Sr. # | Product |
|--------------|------------------------|
| 1 | GPS |
| 2 | Kaspersky Antivirus |
| 3 | D-Link Network Switch |
| 4 | IPhones |
| 5 | Laptops |
| 6 | UPS and Electric items |

Construction projects

- Two Academic Blocks
- PUCIT Computer Science Floor at the top of the GIS Centre building
- First Floor of IT Center construction completed and classes started from Fall 2014 session.
- HRD building in plans, expected to be completed by December 2015.



- Academic block with 12, state of the art Lecture Theaters, 7 Computer Labs. and 33 offices at old campus being constructed.
- Second Floor of PUCIT QAC completed.
- Renovation of 16 Classrooms with provision of modern educational equipment Establishment of Faculty Lounge and Committee Room
- Provision of Girls Common Room at PUCIT QAC
- 20 Washrooms, Guard room, and Daycare Centre being constructed at PUCIT QAC
- Construction of Reception & Information Room in progress at PUCIT AIC. Renovation of Labs, Library, Classrooms and offices at PUCIT AIC.
- Establishment of Library, Computer Labs, and Digital Logic Design Lab. at PUCIT QAC.
- Establishment of Faculty offices at PUCIT QAC Construction of Car Parking at PUCIT QAC
- Establishment of Car Parking Sheds at PUCIT AIC
- Renovation of outer face of PUCIT AIC building and repair and maintenance of roofs. Fixing of Granite Tiles in classrooms and verandas of Academic Block at PUCIT AIC establishment of Video Conferencing Room at PUCIT AIC MPhil/PhD Lecture Room at PUCIT AIC.

SCHOOL OF PHYSICAL SCIENCES

Development Projects (laboratories, Libraries, etc.)

Some projects are in progress to equip laboratories as per requirements by SPS. Advance Chemistry and Molecular Research Laboratory has been developed at SPS and all equipments are now in working condition.

Research Equipment

Following equipment were made operational

- PCR machine and UPS.
- High Speed centrifuge machine.
- Electrophoresis system for Proteins and DNA.
- HPLC.
- CHNS
- Gas Chromatography

Construction Projects

With the induction of more M.Phil and PhD students and availability of the grants, the current infrastructure will be further expanded according to requirement for Research and teaching activities necessary for the development of the School in order to cope with future challenges of Research Innovation and Development. Currently class rooms, seminar hall & committee room is been shared with Centre for undergraduate studies.



Punjab University Gujranwala Campus

Development Projects

Library: The PUGC library has added 249 Books this year.

Punjab University Jhelum Campus

Development Projects (Laboratories, Libraries, etc.)

- Punjab University Jhelum Campus is strengthening its Computer Lab with latest computers equipped with variety of Software Applications and implementation of Wireless Computer Network.
- The Library of Punjab University Jhelum Campus is a digital Library and is being equipped with old and latest Text & Reference Books, Journals, Research Articles, Case Law & Internet facility.

Research Equipment

- 50 Computers with all accessories.

Construction Project

- The Judicial Complex of Jhelum has been handed over to Punjab University, which is being converted into an Educational Institution according to the academic requirements.



Chapter

8

STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

- *Digital Library*
- *PERN*
- *Video Conferencing*
- *Campus Management Solution*
- *Web Portal*
- *Development of Online Admission System*

**CHAPTER****8****Strengthening Technological Infrastructure****Faculty of Arts & Humanities****CENTRE FOR SOUTH ASIAN STUDIES**

- Digital Library - Yes
- Campus Management Solution - Yes
- Web Portal - Yes

DEPARTMENT OF ARCHAEOLOGY

- Data is being upgraded with the CMS regularly in respect of this Department

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Campus Management Solution**

Almost all the results, result cards, academic transcripts and final transcripts are prepared on the CMS. CMS is actively operational in the Department.

DEPARTMENT OF PHILOSOPHY

- **Digital Library**

Synchronization with PU main Library for the use of digital library facilities to our students is under the way. Department of Philosophy has its own small digital library for students of the department.

- **Campus Management Solution**

Almost all the results, result cards, academic transcripts & Final transcripts are generated from the CMS. CMS is 70-80% operational in the department.

- **Web Portal**

Updated information of our Department is available at www.pu.edu.pk

PAKISTAN STUDY CENTRE

- Digital Library

Centre provides electronic access to Punjab University's Main Library and HEC Digital Library through its computer lab for students and researchers.

- PERN

The Centre is connected to PERN which is a national research and education network of Pakistan which connects premier educational and research institutions of the country.

- Video Conferencing



- Campus Management Solution
Implementation of Punjab University's Campus Management Solution has been accelerated and required key information have been updated in the CMS system.
- Web Portal
Centre's significant activities are publicized through social media.
- Development of online admission system

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Digital Library
 - Working to convert the old system into new software
- Campus Management Solution
 - Trained the staff on handling the CMS. Presently entering data directly into the New software CMS
- Web Portal
 - Strengthening the website of the Department. Planning to start on-line short courses.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **Digital Library**
The ISCS has access to digital library through Punjab University library.
- **PERN**
The ISCS utilizes the facility of online journals, online research resources through Punjab University digital library using PERN band width.
- **Campus Management Solution**
The ISCS on a regular basis updates its semester results and admission records through Campus Management Solution of Punjab University
- **Web Portal**
Punjab University IT Centre is providing NSSA (National Student Software Accessibility) Web Portal Service with the collaboration of HEC & Microsoft to all the faculty members and students of the University including this Institute.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

The College has WiFi facility for Students and Staff members.



Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- Campus Management Solution
Presently in operation
- Development of online admission system
In progress

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

- Digital Library
The teachers and students make extensive use of HEC online sources to fulfill their academic and research needs.
The Department has developed its own digital library which is accessible on the intranet to the faculty and researchers
- *PERN
- Video Conferencing
- Campus Management Solution
- The department has been entering its data in CMS and the work is in progress. A KPO has been deputed to work on this task.
- Web Portal
- Development of online admission system
We made use of the system as per requirement.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Campus Management Solution**
Campus Management Solution has been accelerated and required information have been uploaded in the CMS system.

Faculty of Education

INSTITUTE OF EDUCATION & RESEARCH

- Digital Library Partially
- PERN
- Video Conferencing Yes
- Campus Management Solution Yes



Faculty of Engineering & Technology

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Digital library**
In progress
- **Video Conferencing**
In Progress
- **Web Portal**
University web portal

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- Digital Library
Higher Education Commission/Punjab University resources are available.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Digital Library

The institute is currently being benefited from the digital libraries hosted by the HEC, PU located in the main library.

Faculty members are encouraged to utilize the PERN.

Video Conferencing

The Institute is utilizing video conferencing facility of the university on need basis.

Campus management solution

The institute has implemented the Campus Management solution for managing student enrollment and examinations. Most of the faculty members have been using Turnitin software for the publication. All MS thesis are mandatory to be tested for plagiarism by this software. All the transcripts are been generated using CMS.

Web Portal

The Institute has a shared web portal with University of the Punjab.

Development of online admission system

The Institute of is planning to develop online admission system to facilitate the candidates in the admission process. After admission process, a CMS formulated by HEC is introduced in the Institute to notify admission lists and results announcements.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

- Digital Library: Digital Library service is available.



- Video Conferencing facility is available in the University campus and can be arranged whenever needed.
- Campus Management Solution (CMS) has been successfully operating in the institute.

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Digital Library (All the library books etc have been successfully digitalized through MLIMS software.)
- Campus Management Solution
- Web Portal

SHEIKH ZAYED ISLAMIC CENTRE

Digital Library

- Sheikh Zayed Islamic Centre is providing the digital library facilities to the students with the help of University Digital Library System.

Video Conferencing

- Video Conferencing facilities are available in the Language Lab. of the Centre.

Campus Management Solution

- The Centre is using Campus Management Solution for different categories i.e. admission, Examination, Hostel and Finance. The trained staff is available for implementation of Campus Management Solution.

Web Portal

- University of the Punjab is providing the Web portal to the Centre. All the information related to the Centre is available on the University Web Portal.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

• Campus Management Solution

CMS is used for the admissions, results and accounts related activities.

• Web Portal

Information regarding Centre is available on Punjab University Web Portal.

• Development of online admission system

In future admissions will be conducted through online admission system through CMS.



CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Digital Library

Digital library resources are available in the Centre as well as in the hostels for the students and faculty members.

PERN

PERN 2 is operational for wired and wireless internet as well as intranet.

Video Conferencing

Polycom VSX-7000 video conferencing solution is available for national and international communications.

Campus Management Solution

Availing CMS deployed by the University of the Punjab.

Web Portal

Website is available for the Centre <http://www.cemb.edu.pk>

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- Digital Library
- PERN
- Video Conferencing
- Campus Management Solution
- Complete record of departmental students has been updated in CMS. Five office staff is continuously working on it.
- Web Portal
- Development of online admission system

INSTITUTE OF APPLIED PSYCHOLOGY

Digital Library

At present, Institutional students are given access to Digital Library of HEC. The Digital Services of the Punjab University Main Library are also accessible from the webpage of the University. Digital Access is provided free of cost to almost world famous journals/e-books i.e. full access to JSTOR, Science Direct, EBSOHOST, IEEE etc.

PERN

Digital Services being provided by the University is based on PERN. This project is also supporting the students in their research activities as non-stop access to internet is given to the students through cable and Wi-Fi connections.

Video Conferencing

Presently institute strongly feels need of Video Conferencing facility and aims to develop infrastructure for the same.



Campus Management Solution

Campus Management Solution (CMS) is also in progress and all the data of the students is entered in this database.

Web Portal

The Administration of the Institute in collaboration with University IT department is in the process to have one dedicated webpage for the Institute. In this regard some paper work has already been done on development of alumnus portal.

Development of online admission system

Presently there is no provision of online admissions in the institute. In near future this institute is planning to have online admission system which will facilitate the general public in meeting admission process more easily.

Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

❖ **Digital Library**

- The Centre is providing the digital library facilities to the students with the help of University Digital Library System.

❖ **Video Conferencing**

- The Centre is utilizing video conferencing facility of the University on need basis.

❖ **Web Portal**

- Website is available for the Center <http://www.cimr.edu.pk>

❖ **PERN**

- Digital services being provided by the University is based on PERN

CENTRE FOR UNDERGRADUATE STUDIES

- Digital Library (under process)
- Aloe Vera lab (under process)
- Video Conferencing (Fully functional)
- Campus Management Solution (Fully functional)
- Web Portal (Fully functional)

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Digital Library

Synchronization with PU Main Library for the use of digital library facilities to our students is under the way.



Video Conferencing

Presently not in operation, however, equipment & techniques are available in the College

Campus Management Solution

Almost all the results, result cards, academic transcripts & Final Transcripts are generated from the CMS. CMS is 75-80% operational in the College.

Web Portal

Updated information regarding our College is available at pu.edu.pk

DEPARTMENT OF GEOGRAPHY

- Digital Library: Yes
- Video Conferencing: Yes
- Campus Management Solution: Yes
- Web Portal: Yes
- Development of online admission system: Yes

DEPARTMENT OF PHYSICS

- **Digital Library**
Synchronization with the PU Main Library to avail digital library facilities available is in process.
- **Campus Management Solution**
Almost all the examination results, result cards, academic transcripts & final transcripts are generated from the CMS. The CMS is 70-85% operational in the Department.
- **Web Portal**
Updated information regarding our Department is available at www.pu.edu.pk

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Digital Library

Links available

PERN

100 MB Bandwidth

Video Conferencing

Yes

Campus Management Solution

CMS provides the standard tools for faculty to manage their online courses, process assignment, maintain grade books and stay in contact with colleagues and students. Students enjoy being able to easily see their assignments, lessons and other information for all of their classes like semesters transcript etc. staff benefits from services such as built-in help desk, textbook requisitions, exam scheduling and faculty/course changes.

Web Portal

www.pucit.edu.pk



Development of online admission system

Yes

SCHOOL OF PHYSICAL SCIENCES

- **Digital Library**
 - Digital Library facility at main library of Punjab University is available. Video conferencing facility is also available in the university campus and can be arranged whenever needed.
 - Campus Management Solution (CMS) has been operating in the University.

Punjab University Gujranwala Campus

Strengthening Technological Infrastructure

Digital Library:

PUGC library has the access to HEC Digital Library on JSTOR, Springer Link and Wiley Online Library.

PERN:

Punjab University Gujranwala Campus has been selected as Aggregation Point of Presence (A-POP) for the connectivity of PERN2 by the HEC. PUGC is utilizing 8 MB of internet bandwidth on PERN2.

Video Conferencing:

The equipment for video conferencing is available at PUGC.

Campus Management Solution (CMS):

The Campus Management Solution is functioning and the following modules have been used:

- Student Application Entry
- Term Activation
- Student Enrollment
- Student Grading and Enrollment
- Student Financials



Chapter

9

UNIVERSITY BUILDING COMMUNITIES

- *University-Community Interaction*
- *University's Role in Building Community*
- *Alumni Affairs: Outstanding Achievements etc.*



CHAPTER

9

University Building Communities

Faculty of Arts & Humanities

CENTRE FOR SOUTH ASIAN STUDIES

- **Department-community interaction**

Center for South Asian Studies regularly organize seminars for the students and general public in which eminent scholars and experts give lectures on emerging & Current Social Issues. Number of Students and other participants belonging to different fields of life attend the seminars.

- **Department's role in building community**

Eminent scholars and experts are invited to deliver lectures on emerging and current socio-economic issues.

DEPARTMENT OF ARCHAEOLOGY

Alumni Affairs: Outstanding Achievements etc.

The students were taken for field studies and practical training in museology to the various archaeological sites and museums.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Department-Community Interaction**

Supporting *Abroo* for the education of underprivileged children through waste recycling

- **Department's Role in Building Community**

Funding one child's education for TCF (The Citizen Foundation)

Funding one child's education for HASIL Foundation

DEPARTMENT OF FRENCH LANGUAGE & LITERATURE

- Department-community interaction

- Department's role in the building community

The department of French has always made efforts to develop linkages and to build community with other sections of the society. This year too, as usual, the department organized Guest Lectures and Discussion Panels. Eminent personalities from society and academia are invited at the occasions and their interaction with students is an important step in the capacity building of our youth.

- Alumni affairs : outstanding achievements etc : Nil



DEPARTMENT OF PHILOSOPHY

- University-community interaction
- University's role in building community
- Alumni Affairs: Outstanding Achievements etc.
- Alumni meeting annually

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Alumni Affairs: Outstanding Achievements etc.
 - "Gender Alliance" is Alumni of the department and has membership of around 425 student graduates.

DEPARTMENT OF POLITICAL SCIENCE

- University community interaction
- University's role in building community
- Alumni Affairs: outstanding achievements etc

INSTITUTE OF COMMUNICATION STUDIES

Department's role in building community

Institute of Communication Studies is playing pivotal role in strengthening the community building of media professional. The Institute arranges various types of seminars, workshops, and lectures for highlighting and solving their issues of field.

Alumni Affairs: Outstanding Achievements etc.

Meetings are causally held with the following significant Alumni.

Mr. Arif Nizami, Mr. Zahid Malik, Mr. Shuaib Bin Aziz, Mr. Shakoor Tahir, Mr. Asghar Abdullah, Mr. Sarwar Muneer Rao, Mr. Hamid Mir, Mr. Arshad Ansari, Dr. Waqar Chaudhry, Mr. Ashraf Azeem, Rizwan Ur Rehman Rizi Mr. Imran Mir, Taseer Mustafa, Muhammad Junaid, Muhammad Ajmal Jami, Nabeeha Ijaz, Huda Ikram, Sagheer Rame, Karmat Bhatti, Rameez Khan, Majid Nizami, Hafiz Usman, Asif Jafery, etc.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ Department-community interaction

Efforts are made in this context through regular 'Field Work' activity.

○ Department's role in building community

Internship of students is an in-built component of the curriculum taught in all the department of ISCS. Through this activity students are given an understanding of the realities of issues discussed with



them during their classes. Small projects are allocated to students concerning social welfare and urban development.

- **Alumni Affairs: Outstanding Achievements etc.**
 - The Annual get-together of Alumni Association of Punjab University Sociologists (AAPUS) was arranged at Institute of Social and Cultural Studies on 23rd March, 2013. Various eminent sociologists attended this get-together.
 - Many Alumnus of the Institute are pursuing higher academic degrees in various high profile universities across the globe. An Alumni directory is in process to compile the achievements of Alumnus

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

University – Community Interaction

We have organized interactive and religious culture in our college. We strictly observe discipline.

University’s Role in Building Community:

SOPs set by University are strictly observed and implemented. Moral & Ethical values are strictly observed.

Alumni Affairs: Outstanding Achievements etc:

We have recently announced on the college Website the establishment of our Alumni Association and we are hoping to institutionalize its affairs. This effort will be beneficial to all stakeholders.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

Department-community interaction

Prof. Qazi M. Farid Memorial Society

Department’s role in building community (N.A)

Alumni Affairs: Outstanding Achievements etc

Annual gathering of Alumni Association members

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

- Department-community interaction

World Book Day 2014

The Department, in collaboration with the PU Library celebrated the World Book & Copyright Day on 22nd April, 2014 under the theme “Living with books is living with world”. A mega event was arranged and a number of scholars, teachers, columnists, book sellers, media persons and students participated in the awareness walk and seminar. Vice Chancellor, PU Prof. Dr. Mujahid Kamran was the chief guest and



renowned writers/poets/scholars including Farruckh Sohail Goindi, Prof. Hassan Shahnawaz Zaidi and Prof. Dr. Khawaja Muhammad Zakariya were the guest speakers at the seminar. The speakers talked about the importance of book reading and appreciated the efforts of Dr. Mujahid Kamran, Prof. Dr. Kanwal Ameen for promoting reading culture at campus. At the end, PU Library acknowledged book lover students by rewarding books prize. DOIM, PU also arranged an essay competition among students on the "Role of reading in personality development". The winner of this competition was announced in the ceremony and got books by the PU Library as award.

- Department's role in building community

Through patronizing alumni association and organizing various training workshops for the working information professionals and faculty members. Moreover, the Department is playing a pivotal role in bonding the community.

- Alumni Affairs: Outstanding Achievements etc.

PULISAA Executive Council took oath in a ceremony to commemorate Word Book and Copyright Day on 23rd April 2014 held at Quaid-i-Azam Library, Lahore. Rana Mashood Ahmad Khan, Provincial Minister for Education (Punjab) administered the oath. The detail of office bearers of PULISAA is as under:-

President- Muhammad Taufiq, Vice President- Muhammad Saleem Malik, Secretary- Muhammad Ayub Bhatti, Joint Secretary- Dr. Nosheen Fatima Warriach, Treasurer- Waris Ali Arslan

- Executive Members: Akhtar Naseer Warriach, Alia Arshad, Amna Farzand Ali, Azhar Rashid, Hina Asif Khan, Muhammad Tariq, Quratul Ain Saleem, Sammiya Naz, Sidra Shan, Talib Hussain

INSTITUTE OF BUSINESS ADMINISTRATION

- **Alumni Affairs: Outstanding Achievements etc.**

IBA Alumni Annual Dinner & General Body Meeting was arranged on Saturday December 14, 2013 at Royal Palm, Lahore.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

Department's role in building community:

Significant for disabled students. Teachers contributions to parents and teachers of Govt. Institutions etc. for the matters related to their education, training and counseling.

INSTITUTE OF EDUCATION & RESEARCH

- Department-community interaction



- Department's role in building community
- Alumni Affairs: Outstanding Achievements etc.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Department-Community Interaction: Department effectively interacts with the community including students' parents, consultants, industrialists and public media persons etc.

Department's role in Building Community: Centre for coal technology is playing a vital role in community building by providing consultancy and solutions to the local industry, which are switching to coal rapidly.

Alumni Affairs: Outstanding Achievements etc. Preparation of Alumni database is under progress.

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Department Community interaction (for the year 2012-13)**

Community interaction with electronic media e.g. Facebook pages

Three pages are active

- Department of Polymer Engineering and Technology
- Polymer Club
- Society of Polymer and Material Engineering

- **Departments's Role in building Community**

Due to department's interaction with the universities and industry we are helping in development of products which are useful for human use and helpful in increasing the quality of life in many ways. Therefore we have a strong impact for building community

- **Alumni Affairs: Outstanding Achievements etc.**

First batch of M.Phil Polymer Technology will pass out in February 2014. Therefore still no alumni has been established for the department

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Institute-community interaction

The institute appreciates community interaction activities among the students and faculty. In this regard institute is continuously interacting with the industry as well as international faculty to incorporate and improve new trends and enrich the curriculum.

Institution's role in building community



The institute is actively participating in different bodies constituted under the law to put an impact to improve the quality standards of education and technical requirements for the betterment of community.

Alumni affairs: Outstanding achievements etc.

Alumni office has been established at the institute. The office is building its database for all alumni in the first phase. Alumni of the institute have established a Zakat Fund from which a handsome amount of scholarships is being paid to needy students. The alumni of the institute are serving the industry as well as public sector organizations in various positions. Software has been developed on the faculty of Engineering and Technology level and used for generating merit lists during admission process.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

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

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Department-community interaction
 - Invitation to some leading scholars and journalist in the department.**
- Alumni Affairs: Outstanding Achievements etc.
 - Annual congregation of Majlis-e-Fazlin. The Alumni organization of this deptt.**

Faculty of Life Sciences

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

Department-Community Interaction:

The Department provides the opportunity to community such as students from colleges, universities and young researchers to visit the Centre and get knowledge related to applications of Molecular Biology.

Alumni Affairs: Outstanding Achievements etc.:

List of Alumni has been prepared and available on web portal.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

Department-community interaction

- Dr. Anjum Nasim Sabri reviewed PSF project proposal as expert.
- Dr. Anjum Nasim Sabri conducted Viva Voce examination and evaluated the theses of MS students of Earth and environmental sciences.



- Dr. Anjum Nasim Sabri acted as External examiner for Dissertation MPhil in Microbiology. University of Karachi.
- Dr. Anjum Nasim Sabri Evaluated Ph.D thesis in Environmental Sciences. GCU, Lahore.
- Dr. Anjum Nasim Sabri acted as expert in Public Service Commission selection (interview) committee for the subject biology.
- Dr. Anjum Nasim Sabri Acted as expert for Microbiology and Molecular Genetics in selection committee of Women University Multan.
- Dr. Zakia Latif acted as expert in Public Service Commission selection (interview) committee for the subject biology.
- Dr. Zakia Latif acted as External examiner for evaluation of thesis of BS and M.Phil. students at GCU, Lahore, CEMB, Punjab University Lahore and FC College, Lahore.
- Dr. Sikander Sultan acted as External examiner for evaluation of Dissertation MPhil in Genetics, University of Hazara, Mansehra.
- Dr. Sikander Sultan acted as expert in Public Service Commission selection (interview) committee for the subject biology.
- Dr. Muhammad Faisal acted as External examiner for evaluation of Dissertation MPhil and Ph.D. in Genetics, University of Hazara, Mansehra.
- Dr. Nazia Jamil reviewed and evaluated Ph.D. thesis entitled “PHA from microbial subpopulations in mixed culture” from Queensland University, Australia.
- Dr. Basharat Ali acted as External examiner for evaluation of thesis of BS and M.Phil. students at GCU, Lahore.
- Dr. Imran Sajid acted as External examiner for evaluation of thesis of BS and M.Phil. students at LCWU, Lahore and UVAS, Lahore.
- Dr. Zaigham Abbas acted as External examiner for evaluation of thesis of BS and M.Phil. students at UVAS, Lahore.
- Dr. Shafiqe-ur-Rehman acted as External examiner for evaluation of thesis of BS and M.Phil. students at UVAS, Lahore.
- **Conventional and Nonconventional Vegetable Farm**
Department is managing conventional and nonconventional vegetable farm that provide fresh vegetables which are offered to people on and off the university campus.
- **Activities for the Awareness of the Society**
Following activities has been organized by the department for the awareness of general public in the society.

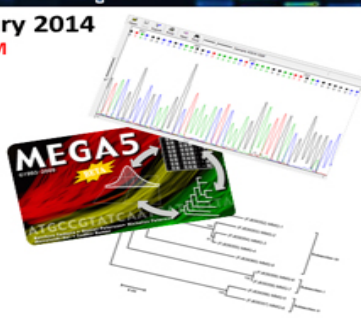


Department of Microbiology and Molecular Genetics
One day workshop on
Making Sense from Sequence

Saturday, 25th January 2014
0930AM - 0100PM

- **Sequence Analysis**
 - DNA sequencing
 - Reading and Interpreting DNA fluorograms
 - Sequence assembly/BLAST
- **Phylogenetic Analysis**
 - Sequence alignment
 - Construction of Phylogenetic tree
 - Phylogenetic tree interpretation

*Open for ALL MMG Faculty Members and Students.
As it will be a practical training session, all participants must bring their laptops. Try to get installed ChromasLite, FinchTV and MEGA5.0*



Dr. Mehboob Ahmed
Mr. Yasir Rehman



Prof. Dr. Anjum Nasim Sabri (Chairperson MMG) planting tree in Tree Planting Campaign held in the Department of Microbiology and Molecular Genetics in collaboration with Punjab Forest Department on March 14, 2014.



An exhibition & competition of “Models on Ecosystems” held among BS-4 students of MMG Department on May 23, 2014.

- Organized a one day training session on “Introduction and Efficient Use of National Digital Library” in Department of Microbiology and Molecular Genetics, University of the Punjab, December 13, 2013.
- Organized , One Day Training of Govt Science College Students in Plasmid Isolation and Agarose Gel Electrophoresis by Dept of Microbiology & Molecular Genetics 17 Nov, 2013.
- Organized one day workshop “Making Sense From Sequence” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 25th January 2014.
- Organized one day workshop “Endnote Bibliography Made Easy” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 20th February 2014.
- A Tree Planting Campaign was held in the Department of Microbiology and Molecular Genetics in collaboration with Punjab Forest Department on March 14, 2014. Tree saplings were planted by Prof. Dr. Anjum Nasim Sabri (Chairperson MMG), Prof. Dr. Razi Abas Shamsi (Professor Emeritus), other faculty members and students of the department. Later Dr. Syed Muhammad Akmal Rahim (Divisional Forest Officer, Lahore and Conservator of Forests) delivered a lecture on “Role of Forests in Biodiversity Conservation and Economy” and highlighted the importance of trees and forests in society. Prof. Dr. Anjum Nasim Sabri presented souvenir to Dr. Muhammad Akmal Rahim and lauds the efforts of Punjab Forest Department for raising awareness in people regarding forests.
- Organized a lecture on “Role of forests in biodiversity” by Dr. Muhammad Akmal Rahim, Forest Conservator, Forest department, Government of the Punjab at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 14, 2014.



- Organized one day workshop “Scientific writing: guidelines, issues and solutions” At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 27 March, 2014.
- Organized two days workshop in collaboration with ORIC University of the Punjab on “CHNS” at At Al Razi Hall Undergraduate studies, University of the Punjab. 3-4 April, 2014.
- Organized lecture by Prof. Dr, Shahna Urooj Kazmi on “Scientific Manuscript writing and publication” Ambassador American Society of Microbiology. At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 14 April , 2014.
- Organized, Work Shop on “Biosafety and risk assessment “organized by Biosafety and Bioresource Committee of Punjab University. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 April, 2014.
- Organized a lecture on “Forest Ecosystem and Biodiversity” by Dr Muhammad Akmal Rahim, Forest Conservator, in collaboration with Forest department, Government of the Punjab for students Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. of at Changa Manga Forest, 26April, 2014.
- Organized, an exhibition and competition of models on “Ecosystem and Biodiversity” for students of Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, May, 23, 2014.
- Organized, one day symposium on “Recent Trends in Molecular Therapeutic” organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. At Al Razi Hall Undergraduate studies, University of the Punjab. 19 August, 2014.
- **Department’s role in building community**
 1. Formulation of Character Building Society (CBS), in the department, which organizes seminars, awareness campaign among the students about civic sense, social responsibility and community service
- **Alumni Affairs: Outstanding Achievements etc.**
 1. Developed Alumni Association of the department, for which home page on social media (Facebook, Twitter etc) has been created, the association organize its annual meeting and alumni remain in contact with the department through social media, email etc. Registration of Alumni Association is in the plan of department.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- Department-community interaction
Department provided health and fitness related guidance to the general public.
- Department’s role in building community



Health & Fitness is major component to do any work perfectly. Department produced professional teachers in the field of Sports Sciences & Physical Education, Fitness trainer and professional coaches that work in different places regarding Health and fitness.

Student Counseling and Career Guidance (maximum 1 – 2 pages)

The faculty members provide proper career guidance to the students according to their skills.

There is proper mechanism of counseling to the weak students.

INSTITUTE OF AGRICULTURAL SCIENCES

o Department-community interaction

Institute has very strong interaction with the farmers as well as agriculture community. Institute invites different agricultural resource persons for interaction with the students and for further collaboration with community.

Institute arranged different demonstration plots such as Kitchen gardening through which It help to interact with urban and rural communities

o Department's role in building community

Institute organized visit to farmer communities and different departments to understand the problems and issues of the farmers and try to highlight or provide the solutions of the specific problems

Institute arranges different events i.e. Annual function and Get together and invites all the peoples related with different communities

o Alumni Affairs: Outstanding Achievements etc.

Institute has developed very strong coordination with Punjab Agriculture extension department to promote the recent research and knowledge to the different communities.

Annual function was organized every year which produced excellent interaction with the societies

INSTITUTE OF APPLIED PSYCHOLOGY

Department-community interaction

Institute of Applied Psychology, University of the Punjab, Lahore collaborated with Drug Free Pakistan Foundation (DFPF) to organize fourth Pakistan Youth Congress in Lahore. The purpose of this congress was to provide life skills to the youth of Pakistan in order to empower them for a better future of the nation. Several students of the Institute participated in this event as well few students were youth mobilizes and were involved in the management of the whole event.

To inculcate the sense of volunteerism and responsibility towards community, the Institute of Applied Psychology has included Community work as mandatory part of their degree. Students work on community project in form of small groups under the supervision of a teacher.



Department's role in building community

Institute's Students and faculty members are sensitized to the needs of the community and are either actively involved in projects having implications for the betterment of the community and also undertake research projects which are of direct relevance to the needs of the community.

Alumni Affairs: Outstanding Achievements etc.

- Our graduates have been successfully placed in army, industry, special education schools NGOs, Research organizations and academic institutes across the country.
- Institute has established an alumni forum .The mission of the Alumni Forum is to support and promote the interests of the Alumni through the creation of personal links, providing services to its members, maintaining connection and interaction among them.
- The main objective of the Forum is to establish a long standing relationship between graduates and the Institute for mutual benefits.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT (KASHMIR STUDIES)

- Department Community Interaction (2013-14)
- Department's role in Building Community
- Alumni Affairs: Outstanding Achievements etc
- 07 Graduates of the Department of Kashmiryat are teaching as Assistant Professor, Lecturer in Muzaffarabad University Azad & Jammu Kashmir, Post Graduate College, Kotli, Azad Kashmir, G.C University, Faisalabad, Shah Faisal University, Saudi Arabia.

DEPARTMENT OF PERSIAN

- Department Community Interaction (2013-14)
- Department's role in Building Community
- Alumni Affaires: Outstanding Achievements etc
- About 7 Graduates of the Department of Persian are selected as Lecturer in difference University and Colleges on internship basis for one year.

DEPARTMENT OF URDU

- Alumni Affaires: Outstanding Achievements etc
- 25 Graduates of the Department of Urdu are selected as Lecturer in G.C University, Lahore, University of Sargodha, Sargodha and G.C University, Faisalabad through Punjab Public Service Commission (PPSC), Lahore.



Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

❖ **Department-community Integration**

- The Centre's activities mainly based on community participation, therefore, effectively interact with the community including students' parents, consultants, public and private organizations, NGOs etc.
- Efforts are made in this context through regular "Field Work" activities.

● **International Mountain Day 2014 (Special Day)**

- The Centre celebrated four days "International Mountain Day 2014" from 8th Dec. to 11th Dec. 2014. The theme of this year mountain day was "Mountain Farming". Family farming encompasses all the activities within the realms of agriculture, forestry, fisheries, pastoralism and aquaculture that are predominantly reliant on family labour. The Day is meant to provide opportunities to raise awareness to community and different stakeholders on the importance of mountains to life; highlight opportunities and constraints in mountain development; and build partnerships for positive change in mountains and highlands. This occasion was well attended by the senior scientists, Professors from Centre of Excellence in Water Resources in Water Resources (CEWRE), University of Engineering and Technology, Lahore; Soil Survey of Pakistan; Institute of Agriculture Science, (IAGS); Climate Change, Alternate Energy and Water Resources Institute (CAEWRI), NARC, Islamabad. Students from CIMR and other disciplines well participated in it.

❖ **Department's Role in Building Community**

- The Centre arranges various types of seminars, workshops and lectures for highlighting and solving their issues of field.

❖ **Alumni Affairs: Outstanding Achievements etc.**

The Centre recently announced on Centre website to establishment of Alumni association. This effort will be beneficial to all stakeholders.

CENTRE FOR UNDERGRADUATE STUDIES

- The Annual Sports gala and cultural day of Centre for Undergraduate Studies were held in March 2014. About two hundred students participated in different games like cricket, football, badminton, table tennis, tug of war and some other indoor games with enthusiasm and great sportsmanship. The prize distribution ceremony was held on in May 2014 at the Annual Dinner



Program. The sports program was a great success and was greatly appreciated by both students and teaching faculty.

- Like previous years, Center has successfully arranged field study tour to Qila Rohtaas. Students of relevant subjects took part in these tours heartily. These were well-managed, disciplined, and knowledgeable tours, which increased the intellectual ability of students to a significant extent.
- Faculty members of Centre including Dr. Najam-ul-Sehar, Ms. Amara Dar, Ms. Bushra Nisar Khan, Ms. Robina Begum, Dr. Muhammad Younis and Dr. Asim Zafar participated as Judge in Punjab Science Fair 2014-15 that held from October 27-29, 2014 at Shaukat Khanum Memorial Cancer Hospital and Research Centre in collaboration with Intel Education Initiative and Pakistan Science Foundation.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

Alumni Affairs: Outstanding Achievements etc.

Rebuild and strengthen the 'Pakistan Statistical Association' by conducting various meetings of the members from all over the Pakistan (even from abroad) and thoroughly revived the 'rules & regulation' of the association.

DEPARTMENT OF GEOGRAPHY

- Alumni Affairs: *Outstanding Achievements etc. Old Geography Students Association hold Annual General Body Meeting and Dinner each year from 22 March followed by one day picnic tour place of Geographical Importance.*

DEPARTMENT OF PHYSICS

- Alumni Affairs: Outstanding Achievements etc.
Alumnae Ex-Students of Physics (AESOP)

INSTITUTE OF CHEMISTRY

There is strong interaction among the faculty members. There is small meeting arranged every day at 11:00 am in the institute where all the teachers are gathered and discuss different issues. At University level, lectures and seminars are arranged on regular basis. This could also provide a platform for the faculty members of the University to do interactions with other faculty members. Different events are also arranged in which students and teachers both participate that give the opportunity to students to get interact with the teachers.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Department-community interaction

- Tea Club
- Faculty Longue



Punjab University Jhelum Campus

Department-community interaction

- Punjab University Jhelum Campus from the very beginning has its interaction with the parents being the basic part of the community and not only guide the students regarding their future carrier but also inform and the activities of students to their parents.
- The Punjab University Jhelum Campus play a role in building community by way of interaction with the community of this remote area and guides the people regarding different issues with respect to their children and other community issues like dengue virus.



Chapter

10

SPORTS

- *Inter-Departmental Sports*
- *Participation in National Championship*
- *Achievements at National Level*
- *Incentives and Honours/Awards for Sports Persons*



CHAPTER

10

Sports

Department of Sports (Women)

**PUNJAB UNIVERSITY WOMEN SPORTS TOURNAMENT COMMITTEE
INTER-COLLEGIATE ANNUAL REPORT (2013-2014)**

1. Wushu

Date: 06-12-2013

Participating Teams: 05 Teams

Winner: PUTDSA.

Runner: Klliya-tul-Banat Degree College Lahore.

Third: P.U.C.I.T

Fourth: University Law College New Campus, Lahore.

2. Table Tennis

Date: 23-12-2013

Participating Teams: Teams

Winner: Govt. College for Women Gujar Khan.

Runner: P.U. Teaching Department.

Third: Shablee College of Women Madina Town Faisalabad.

Fourth: University College of Pharmacy P.U Lahore.

3. Taekwondo

Date: 07-01-2014

Participating Teams: 04 Teams

Winner: P.U Teaching Department.

Runner: Govt. G.N Degree College for Women Nankana Sahib.

Third: G.C.W. of Home Economics Gulberg Lahore.

Fourth: Kulliya-tul-Banat Degree College Lahore.

4. Handball

Date: 10-01-2014

Participating Teams: 06 Teams.



Winner: PUTDSA.
Runner: G.C.W. Baghbanpura, Lahore.
Third: Queen Mary College Lahore.
Fourth: Himayat-e-Islam Degree College Lahore.

5. Badminton

Date: 30-01-2014
Participating Teams: 05 Teams
Winner: PUTDSA.
Runner: Shiblee College of Commerce Faisalabad.
Third: University College of Pharmacy P.U. Lahore.
Fourth: Hailey College of Commerce P.U. Lahore.

6. Hockey

Date: 04-02-2014
Participating Teams: 07 Teams.
Winner: PUTDSA.
Runner: G.C.W. Baghbanpura, Lahore.
Third: Kulliyatul Banat Degree College Lahore.
Fourth: Govt. Fatima Jinnah College for Women Chuna Mandi, LHR.

7. Cycling

Date: 12-02-2014
Participating Teams: 10 Teams
Winner: PUTDSA.
Runner: College of Art & Design P.U Lahore.
Third: Kulliyat-tul-Banat Degree College Lahore.
Fourth: Govt. Model College for Women Model Town, Lahore.

8. Football

Date: 24-02-2014
Participating Teams: 05 Teams.
Winner: PUTDSA.
Runner: G.C.W. Baghbanpura, Lahore.
Third : Kulliyat-ul-Banat, Lahore.

9. Basketball

Date: 04-03-2014
Participating Teams: 06 Teams



Winner: PUTDSA.
Runner: Shiblee College of Commerce Faisalabad.
Third : University College of Pharmacy P.U. Lahore.
Fourth: Hailey College of Commerce P.U. Lahore.

10. Rowing (Machine)

Date: 02-04-2014
Participating Teams: 05 Teams.
Winner: PUTDSA.
Runner: Queen Mary College, Lahore.
Third: P.U.C.I.T
Fourth: Himatat-e-Islam Degree College Lahore.

Achievements

- National Handball 25th to 28th June ,2014(Razia Nazir, Rooma Abbas, Gmina Shahzadi, Sadaf Parveen).
- Swimming National 12th June, 2014 Islamabad. (Mah Noor, Ujala Abid, Ifra , Filza Aleem).
- Women Basketball 15th to 20th June, 2014 PSB Islamabad (Samia Hadier, Robina Kauser, Nayyer Nasir, Razia Nazir).
- 9th National Ju-Jitsu, 2014 1st June, Sports Gymnasium Allama Iqbal Medical College Lahore (Sonia Manzoor - 48 Kg, Shamila Tasneem – 52 Kg, Iqra – 70 Kg, Adeela Saeed - +70 Kg, Sumaira Zahoor, Aqsa Nawaz – 55 Kg & -58 (Nawaza), Bushra Butt - -70 Kg, Kanwal -49 Kg).
- National Badminton Championship 1st April, to 30th June , 2014 (Mahpara Gull, Rubab).
- Women National Taekwondo 10th to 15th April , 2014 (Mahnoor Hamid).
- 28th National Women Hockey 26th March to 4th April , 2014 (Munaza Irum, Sahrish Ghumman, Asma Ashraf, Bushra Nazir, Hira Aziz, Aisha Yousaf, Shumaila Khalid).
- National Championship Qatar Football 14th to 19th May, 2014(Rooma Abbas).
- 6th Women National Judo 13th to 15th February, 2014 (Sidra -40 Kg, Kanwal Naz -48 Kg, Adeela Saeed – 70 Kg,)
- 9th National Women Football 4th to 9th December, 2013 at lahore (Sumaira perveen, Humaiza Butt, Samiya Farukh, Zanura Jameel, Amina Shahzadi, Fatima Zahid, Bushra Butt, Saira Zulifqar, Rooma Abbas, Maryyam Asif Butt).
- 12th National Women Netball Championship 2013.



PUTD Scholarships to Players

PUTDSA is giving Scholarship and Fee Waivers to the outstanding players.

| Sr. No | Name | Institution | Game | Amount |
|--------|--------------------|-------------|--------------------|-------------|
| 1 | Munazza Irum | | Hockey | 5,000/- P.m |
| 2 | Bushra Nazir | | Hockey | 5,000/- P.m |
| 3 | Hunaiza Hanif | | Karate | 2,500/-p.m |
| 4 | Saima Maqsood | | Cricket , Baseball | 1,500/- p.m |
| 5 | Farana Naz | | Wushu | 4,000/- p.m |
| 6 | Sadia Latif | | Basketball | 4,000/- p.m |
| 7 | Kinza Zubair | | Wushu | 4,000/- p.m |
| 8 | Amna Mehboob | | Squash | 4,00/- p.m |
| 9 | Asma Haq | | Cycling | 1,500/- p.m |
| 10 | Saba Shabbir | | Hockey | 4,000/- p.m |
| 11 | Ibra Sheikh | | Hockey | 4,000/- p.m |
| 12 | Mehwish Dilshad | | Karate | 2,500/- p.m |
| 13 | Fouzia Perveen | | Karate | 4,000/- p.m |
| 14 | Qurat-ul-Ain | | Katate | 2,500/- p.m |
| 15 | Aisha Yousaf | | Hockey | 2,500/- p.m |
| 16 | Sidra Ashfaq | | Judo | 4,000/- p.m |
| 17 | Gulbreen | | Wushu | 2,500/- p.m |
| 18 | Komal Emmanuel | | Wushu | 4,000/- p.m |
| 19 | Natasha Zaman Khan | | Skiing | 1,500/- p.m |
| 20 | Ishrat Iqbal | | Athletics | 1,500/- p.m |
| 21 | Rubab Imtiaz | | Badminton | 4,000/- p.m |
| 22 | Asma Usman | | Football | 5,000/- p.m |
| 23 | Samar Anjum | | Squash | 5,000/- p.m |
| 24 | Sehrish Ghumman | | Hockey | 5,000/- p.m |
| 25 | Kashaf Javed | | Judo | 4,000/- p.m |
| 26 | Adeela Saeed | | Ji-Jitsu, Judo | 4,500/- p.m |
| 27 | Summiya Farukh | | Football | 4,500/- p.m |
| 28 | Madiha Hussain | | Karate | 2,500/- p.m |
| 29 | Marium Lodhi | | Karate | 2,500/- p.m |



| | | | | |
|----|------------------|--|----------------------|-------------|
| 30 | Ume kalsoom | | Baseball | 5,000/- p.m |
| 31 | Rabia Akbar | | Tennis | 4,000/- p.m |
| 32 | Ansa Ali | | Karate | 2,500/- p.m |
| 33 | Marium Altaf | | Taekwondo | 2,500/- p.m |
| 34 | Faiza Aslam | | Wushu | 4,000/- p.m |
| 35 | Sidra Munir | | Table Tennis | 1,500/- p.m |
| 36 | Saira Zulfiqar | | Football, Baseball | 3,000/- p.m |
| 37 | Ujala Abid | | Swimming | 5,000/- p.m |
| 38 | Zunaira Liaqat | | Rifle Shooting | 4,500/- p.m |
| 39 | Fatima Zahid | | Football | 4,500/- p.m |
| 40 | Bushra Mehmood | | Ju-Jitsu | 4,000/- p.m |
| 41 | Asia Tariq | | Cycling | 4,000/- p.m |
| 42 | Najma Ghaffar | | Archery | 2,500/- p.m |
| 43 | Zunaira Jameel | | Basketball | 2,500/- p.m |
| 44 | Rabia Liaqat | | Baseball | 4,500/- p.m |
| 45 | Uzma Farooq | | Wushu | 4,000/- p.m |
| 46 | Kiran Yaqoob | | Athletics | 3,000/- p.m |
| 47 | Romna Liaqat | | | 2,500/- p.m |
| 48 | Syeda Huda | | Football | 4,000/- p.m |
| 49 | Ishrat Begum | | Hockey | 2,500/- p.m |
| 50 | Saba Tahir | | Basketball, Handball | 4,000/- p.m |
| 51 | Nadia Naseem | | Baseball | 1,500/- p.m |
| 52 | Nazia Saba | | Handball | 5,000/- p.m |
| 53 | Ayesha Zaman | | Hockey | 4,000/- p.m |
| 54 | Irum Shahzadi | | Baseball, Row, Cri | 5,000/- p.m |
| 55 | Zahida Parveen | | Athletics | 3,000/- p.m |
| 56 | Rukhsana Shaheen | | Archery | 4,000/- p.m |
| 57 | Unaiza Bashir | | Hockey | 5,000/- p.m |
| 58 | Shamshad | | Cricket | 1,500/- p.m |
| 59 | Sidra kanwal | | Chess | 4,000/- p.m |
| 60 | Sobia Ghafoor | | Volleyball | 4,000/- p.m |
| 61 | Tahira Ayoub | | Volleyball | 1,500/- p.m |
| 62 | Nimra Liaqat | | Cycling | 1,500/- p.m |



| | | | | |
|----|----------------|--|----------------|-------------|
| 63 | Abida Siddique | | | 2,500/- p.m |
| 64 | Naima Nadim | | Rifle Shooting | 5,000/- p.m |
| 65 | Kiran | | Table Tennis | 1,500/- p.m |
| 66 | Natalia | | Table Tennis | 1,500/- p.m |
| 67 | Asifa | | Table Tennis | 1,500/- p.m |
| 68 | Samra Sultana | | | 2,500/- p.m |
| 69 | Rabeel Arshad | | | 1,500/- p.m |
| 70 | Haleema Sadia | | Volleyball | 4,000/- p.m |
| 71 | Mavra Syed | | Tennis | 1,500/- p.m |
| 72 | Irsa Khawer | | Chess | 1,500/- p.m |
| 73 | Sana Amjad | | Hockey | 4,000/- p.m |
| 74 | Rashida Malik | | Hockey | 4,000/- p.m |
| 75 | Amina Ghaffar | | Hockey | 4,000/- p.m |
| 76 | Bushra Mushtaq | | Baseball | 1,500/- p.m |
| | | | Total Rs. | 2,52,000/- |

Scholarships for Players

Performance Based Monthly Scholarship

| Sr. No. | Name | Institution | Game | Amount |
|---------|-------------------|-------------|-----------------------|----------|
| 1. | Sehrish Asghar | | | 18,000/- |
| 2. | Rooma Abbas | | BB, FB, NB, HB, | 20,000/- |
| 3. | Nayyer Nasir | | BB, HB | 7,000/- |
| 4. | Shumaila Khalid | | VB, FB,HB, | 10,000/- |
| 5. | Marrrium Butt | | Rifle, Row, BB | 12,000/- |
| 6. | Filza Aleem | | Swimming, Judo, Rifle | 14,500/- |
| 7. | Sidra Ghulam Nabi | | Cycling, Archery | 10,500/- |
| 8. | Humaiza Butt | | FB,NB, Skiing | 8,500/- |
| 9. | Robina Kausar | | VB, NB,BB, | 20,000/- |
| 10. | Sammia Haider | | VB, NB,BB | 15,000/- |
| 11. | Aasia Sattar | | BB, VB, HB | 17,000/- |
| 12. | Sadia Khaliq | | Rowing, BB | 22,500/- |
| 13. | Noor Asfia | | Taekwondo, Wushu | 8.500/- |



| | | | | |
|-----|------------------|--|----------------------|----------|
| 14. | Shumaila Nazir | | Taekwondo | 5,500/- |
| 15. | Urooj Sohail | | R.F, Squash, Chess | 19,000/- |
| 16. | Sumaira Zahoor | | Taekwondo | 7,000/- |
| 17. | Attaiya Sultana | | Athletics | 5,500/- |
| 18. | Sonia Manzoor | | Judo, Ju-Jitsu | 8,500/- |
| 19. | Iqra Maroof | | Wushu, Ju-Jitsu | 7,500/- |
| 20. | Asma Ashraf | | HB, FB, BB | 10,500/- |
| 21. | Shumaila Tasneem | | Ju-Jitsu | 7,000/- |
| 22. | Iffrah Atif | | Swimming | 7,000/- |
| 23. | Attiya Altaf | | BB<,FB, HB | 5,500/- |
| 24. | Sehrish Naz | | Table Tennis | 6,000/- |
| 25. | Nosheen Qasier | | Chess, Rifle, Arc | 13,000/- |
| 26. | Barka Loshi | | NB, BB | 7,000/- |
| 27. | Afshan Khadim | | FB, Rowing | 5,500/- |
| 28. | Maria Javed | | NB, Rowing | 7,000/- |
| 29. | Mah Para Gull | | Badminton | 7,000/- |
| 30. | Razia Nazir | | NB, BB, HB | 10,000/- |
| 31. | Razia Hanif | | Cycling, VB, Row | 24,000/- |
| 32. | Ghazala Javed | | Rifle,Row, Badminton | 28,000/- |
| 33. | Saima Shehzadi | | Athletics | 15,000/- |
| 34. | Sadaf Rao | | Handball | 12,000/- |
| 35. | Amna Shehzadi | | Handball | 10,500/- |
| 36. | Kanwal Naz | | Judo, Ju-Jitsu | 5,500/- |
| 37. | Amna Siraj | | Athletics | 11,000/- |
| 38. | Aneela Gulzar | | Athletics | 8,000/- |
| 39. | Sumaira Perveen | | FB, NB, Athletics | 8,000/- |
| 40. | Azra Farooq | | VB, FB, Hockey, BB | 13,500/- |
| 41. | Hina Pevaiz | | | 10,000/- |
| 42. | Sadia Baloch | | Volleyball | 8,000/- |

Incentives for Teachers

According to the decision of Executive Committee of PUWSC 5000/- Rupees will be paid to the Sports In-charges who participate 5 or more games of Punjab University Inter-Colligate Competitions.



This Year Following Colleges In charges got incentives:

1. Govt. College for Women, Kot Khawaja Sayed Lahore.
2. Govt. Fatima Jinaha Degree College for Women Chuna Mandi.
3. Himayat-e-Islam Degree College Lahore.
4. Queen Marry College. Lahore
5. Govt. Kulya tul Banat College Lahore.

Inter – University Events

Wushu Championship

Date: 24.12.2013

Venue: University of Punjab Lahore.

Position: Winner.

Participants: Noor Asfia, Uzma Farooq, Faiza Aslam, Iqra Maroof, Azra Farooq, Komal Emmanuel, Saher Asif Butt, Nain Tara Ahmed, Kinza Zubair, RubabAfzaal, Kiran Yaqoob, Gulbreen, Naila Qadar, Farhana Naz, (University of the Punjab, Lahore).

Volleyball Championship

Date: 08.04.2014

Venue: University of Peshawar.

Position: Winner.

Participants: Robina Kausar, Samia Haider, Aasia Sattar, Sadia balouch, Munaza Ilyas, Azra Farooq, Almas Akram, Rabia Kanwal, Sobia Ghafoor, Razia Hanif, Tahira Ayub, Haleema Sadia, Shamaila Khalid, (University of the Punjab Lahore).

Badminton Championship

Date: 11.02.2014

Venue: Shah Abdul Latif University of Khairpur.

Position: Winner.

Participants: Mah Para Gull, Hina Sajjad, Ghazala Javed, Rubab Imtiaz, Sadia Abdul Khaliq, Rabia Akbar, (University of the Punjab, Lahore).

Taekwondo Championship

Date: 20.01.2014

Venue: G.C. University Faisalabad.

Position: Winner.



Participants: Shumaila Nazeer, Noor Asfia, Nimra Abdul Sami, Hina Ashiq, Laila Saman, Quratul-Ain Kazmi, Samrina Safdar, Mariam Altaf, Shamsa Khadim, Mehwish Shafi, Syeda Zanib Anwar, Rabeel Arshad, Samra Sultana, Mahnoor Hamid, Sabha Wazir Fatima, Sumaira Zahoor, (University of the Punjab, Lahore).

Swimming Championship

Date: 10.06.2014

Venue: University of the Punjab, Lahore.

Position: Winner.

Participants: Filza Aleem, Iffra Atif Malik, Ujala Abid, Nazish Saleem, Mahnoor, (University of the Punjab, Lahore).

Rowing Championship

Date: 10.06.2014

Venue: University of the Punjab, Lahore.

Position: Winner.

Participants: Ghazala Javed, Maria Javed, Razia Hanif, Iqra Mushtaq, Adeela Saeed, Sadia Abdul Khaliq, Rabia Liaqut, Maryum Asif Butt, Irum Shahzadi, Kiran Shahzadi, Sariya Naeem, Ishrat Iqbal, (University of the Punjab, Lahore).

Chess Championship

Date: 10.06.2014

Venue: University of the Punjab, Lahore.

Position: Winner.

Participants: Nausheen Qaiser, Maruym Asif Butt, Arooj Sohail, Irsa Khawar, Sidra Kanwal, (University of the Punjab, Lahore).

Archery Championship

Date: 10.06.2014

Venue: University of the Punjab, Lahore.

Position: Winner.

Participants: Najma, Nousheen Qaiser, Sidra, Sumaira Parveen, Rukhsana Shaheen, (University of the Punjab, Lahore).

Tennis Championship

Date: 10.06.2014



Venue: University of the Punjab, Lahore.

Position: Winner.

Participants: Khunsha Babar, Azra Farooq, Rabia Akbar, Mavra Syed, Munaza Ilyas, (University of the Punjab, Lahore).

Skiing Championship

Date: 07.01.2014

Venue: University of Karachi.

Position: Third.

Participants: Humeza Riaz, Natashah Zaman, Bushra Mehmood, (University of the Punjab, Lahore).

Baseball Championship

Date: 31.03.2014.

Venue: Islamia University Bahawalpur.

Position: Third.

Participants: Maryum Asif Butt, Sadia Abdul Khaliq, Azra Farooq, Umme Kalsoom, Iqra Maroof, Nadia Naseem, Saira, Summyia Farrukh, Almas Akram, Zunaira Liaqat, Rabia Liaqat, Saima Maqsood, Irum Shahzadi, Rooma Abbas, Asma Ashraf, Bushra Mushtaq, (University of the Punjab, Lahore).

Rifle Shooting Championship

Date: 20.12.2013.

Venue: University of Nust Islamabad.

Position: Winner.

Participants: Filza Aleem, Nausheen Qaiser, Zunaira Liaqat, Maryum Asif Butt, Mahnoor Iftikhar, Arooj Sohail, Ghazala Javed, Naima Nadeem, Rubab Afzaal, Saba Tahir, (University of the Punjab, Lahore).

Netball Championship

Date: 17.12.2013.

Venue: Lahore College of Women University.

Position: Winner.



Participants: Rooma Abbas, Humeza Riaz, Barka Lodhi, Robina Kausar, Samia Haider, Nazia Saba, Sidra, Razia Nazir, Amina Shahzadi, Sadia Balouch, Sadaf Parveen, Maria Javed, (University of the Punjab, Lahore).

Judo Championship

Date: 27.11.2013

Venue: Quaid-e-Azam University Islamabad.

Position: Winner.

Participants: Filza Aleem, Sonia Manzoor, Shamaila Tasneem, Bushra Mehmood, Zunaira Liaqat, Azra Farooq, Adeela Saeed, Aqsa Nawaz, Kanwal Naz, Sidra Ashfaq, Iqra Maroof, Sumaira Zahoor, Sadia Abdul Khaliq, Israt Iqbal, (University of the Punjab, Lahore).

Squash Championship

Date: 24.11.2013.

Venue: Sarhad University Peshawar.

Position: Winner

Participants: Aamna Mahboob, Sammer Anjum, Arooj Sohail, Aamnah Taj, (University of the Punjab, Lahore).

Handball Championship

Date: 16.04.2014.

Venue: G.C. University of Faisalabad.

Position: Winner.

Participants: Samia haider, Asia Sattar, Rabia Kanwal, Rooma Abbas, Asma Ashraf, Atia Altaf, Saba Tahir, Razia Nazir, Sadaf Parveen, Nazia Saba, Amina Shahzadi, Nayyar Nasir. (University of the Punjab, Lahore).

Table Tennis Championship

Date: 05.01.2014.

Venue: QUEST, University of Nawab Shah.

Position: Third.

Participants: Sidrah Munir, Sehrish Naz, Asifa Zafar, Natalia Firdous, Kiran Shaheen, (University of the Punjab, Lahore).



Ju-Jitsu Championship

Date: 10.01.2014.

Venue: Univerwity of the Agriculture Faisalabad.

Position: Winner.

Participants: Bushra Mehmood, Kanwal Naz, Iqra Maroof, Sumaira Zahoor, Adeela Saeed, Sonia Manzoor, Shamaila Tasneem, Aqsa Nawaz, Fozia Parveen, (University of the Punjab, Lahore).

Athletics Championship

Date: 16.03.2014.

Venue: University of thePeshawar.

Position: Winner.

Participants: Sehrish Asgur, Humeza Riaz, Kiran Yaqoob, Hina Parvaiz, Sumaira Parveen, Sadaf Parveen, Sumaira Zahoor, Attiya Sultana, Saima Shahzadi, Aaasia Sattar, Aneela Gulzar, Abida Siddique, Zahida Perveen, Aneeqa Hashmi, Amna Saraj, Sadia Balouch, Sadia Khaliq, Ishrat Iqbal, (University of the Punjab, Lahore).

Cricket Championship

Date: 28.01.2014..

Venue: Kinnared College of Women, Lahore.

Position: No Position.

Participants: Saima Maqsood, Nadia Naseem, Saira, Summyia Farrukh, Umme Kalsoom, Rabia Akbar, Faiza Aslam, Sadia Abdul Khaliq, Badar-un-Nisa Shaukat, Rabia Liaqut, Rabia Kanwal, Maryum Asif Butt, Asma Usman, Irum Shahzadi, Azra Farooq, Farzana Shafi, (University of the Punjab, Lahore).

Karate Championship

Date: 08.03.2014.

Venue: University of Lahore.

Position: No Position.

Participants: Madeeha Hussain, Sumaira Zahoor, Ansa Ali, Anza Tahir, Mehwish Dilshad, Aqsa Raheed,Kanwal Naz, Fozia Peveen, Sania Arif, Qura-tul-Ain Kazmi, Mahwish Nasir, Mahnoor Hamid, (University of the Punjab, Lahore).



Football Championship

Date: 09.03.2014.

Venue: Islamia University, of Bahawalpur.

Position: Winner.

Participants: Rooma Abbas, Asmaa Usman, Summiya Farrukh, Fatima Zahid, Sayyada Huda Sabzwari, Atia Altaf, Sumaira Parveen, Saira, Shumaila Khalid, Humeza Riaz, Afshan Khadim, Sadaf Perveen, Amina Shehzadi, Zahida Perveen, Amna Saraj, Asma Ashraf, Azra Farooq, Irum Shahzadi, (University of the Punjab, Lahore).

Basketball Championship

Date: 24.03.2014.

Venue: Karachi University of Karachi.

Position: Winner.

Participants: Rooma Abbas, Sadia Khaliq, Sadia Latif, Razia Nazir, Samia Haider, Robina Kousar, Aasia Sattar, Saba Tahir, Barka Lodhi, Nazia Saba (University of the Punjab, Lahore).

Cycling Championship

Date: 25.05.2014.

Venue: University of the Punjab, Lahore.

Position: Second.

Participants: Razia Hanif, Romna Liaqat, Ammara Bhatti, Asia Tariq, Sidra, Nimra Liaquat, Asma Haq, (University of the Punjab, Lahore).

Hockey Championship

Date: 07.05.2014.

Venue: Sargodha University of Sargodha.

Position: Winner.

Participants: Sehrish Ghuman, Asma Ashraf, Munaza Iram, Unaiza, Shumaila Khalid, Hina Parvaiz, (University of the Punjab, Lahore).



Faculty of Arts & Humanities

DEPARTMENT OF ARCHAEOLOGY

- **Participation in National Championships**
 - Mr. Junaid Shafqat Participated in Punjab Level Cricket Tournament

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

- **Inter-Departmental Sports**
 - Our College has participated in several Inter-Departmental Sports activities namely; Cricket, Hockey, Football, Boxing, Weight Lifting, Tennis and Rifle Shooting etc. We have achieved greater heights and also won several medals.
- **Participation in National Championships**
 - Our students have participated in various National Championships. One of our female students of BBA (Hons) (Ms. Sehrish Asghar) achieved high position and won several gold, silver and bronze medals in 100, 200 & 400 meters Relay Races in the National Championships.
- **Incentives and Honors/Award for Sports Persons**
 - We are offering cash awards, role of honour, shields etc. to outstanding Sports persons in terms of incentives.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- **Inter-Departmental Sports**
 - Participation in Cricket, Hockey and Football and Tug of War games in tournament at university level.
- **Incentives and Honors/Award for Sports Persons**
 - Distribution of cash and other prizes by Farid Memorial Society.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

University has allocated separate seats for sports and other extra-curricular activities. Students are admitted on sports basis which are part of the different teams of Punjab University.

- Sports
 - The students of IBIT have participated actively in sports activities throughout the year including Cricket, Football, Basketball, Badminton and Squash. Sports gala was arranged in



which students participated enthusiastically. Afterwards, a price distribution ceremony was hosted where certificates and trophies were distributed among the winners.

- Societies
 - There is a Student Executive Council at IBIT that takes a keen interest in events like Annual Dinner, Farewell Party, Sporting Events, Conferences and Industrial Liaison activities, on a regular basis. Brilliant minds from all the batches constitute the executive members of the Student Executive Committee. The SEC is further divided into different sub-committees that deal with different areas like public relations, industrial liaison, functions and events. Student's Executive Committee provides an excellent opportunity for the students to enhance their skills in their relevant areas of interest. It also serves as a forum where the administration and students interact frequently to discuss matters of mutual interests.

Faculty of Life Sciences

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

- **Inter-Departmental Sports**

Sports such as Badminton, Cricket matches, Football, Chess, Table Tennis, Luddo matches are organized among students and faculty members.

- **Incentives and Honors/Award for Sports Persons**

- Certificates and trophies have been distributed to the winning teams

INSTITUTE OF APPLIED PSYCHOLOGY

- **Incentives and Honors/Award for Sports Persons**

- Mr. Azfar Abbas Student of BS II won Silver Medal in the Giant Slalom Intersarsity Skiing Competition held on 28th February, 2014.
- Mr. Ali Raza Student of BS-II won Gold Medal in the All Pakistan Intersarsity Rugby Championship held in Islamia University, Bahawalpur on 24th March, 2014.
- Mr. Ali Raza was selected by the HEC to play rugby on national level. The team competed and won the 21st National Sevens Rugby Championship on 8th June, 2014 defeating the Police Team by 22-14 Score in the Final Match.
- Mr. Muneeb ul Haq Student of (BS-VII) participated in Chief Minister Youth Festival and win a Gold Medal in the TUG of War Competition held on 10th June 2014.

- **Incentives and honors/awards for sports persons**

- As per University policy the students admitted on sports basis are exempted from Semester Fee and Dues as well as hostel charges.



Faculty of Sciences

DEPARTMENT OF GEOGRAPHY

- **Inter-Departmental Sports**

- Every year in the month of February the department organizes annual sports week in which all the student participates. The sports week followed by prize distribution to encourage the students. The students who participate in sports are given shields and certificates. During last two years this event is followed by one day picnic.
- Every year five students are admitted on sports basis who participate at national and International level being member of Punjab University team.

- **Participation in National Championships**

- Students of BS honor participated in Inter-departmental Jashn-e- Baharan girls sports Gala, 2014

- **Achievements at National Level**

- Win one shield and two Trophies in Inter-Departmental Jashn-e- Baharan girls sports Gala, 2014.

- **Incentives and Honors/Award for Sports Persons**

- A number of students who play in the University teams obtained a number of awards.

Punjab University Jhelum Campus

Inter-departmental Sports

- The annual sports of the Punjab University Jhelum Campus were conducted w.e.f. 12th March 2013 to 14th March 2013 in which 82 male and 42 female students of all the four departments have participated and won the positions.

Incentives and honors / awards for sports persons

| Sr. No. | Name of Sports Played | 1 st Position | 2 nd Position |
|---------|-----------------------|--------------------------|--------------------------|
| 1. | Cricket Boys | LLB | BBA |
| 2. | Cricket Girls | BSCS | LLB |
| 3. | Tug of War Boys | BCOM | BBA |
| 4. | Tug of War Girls | BSCS | BBA |
| 5. | Volley Ball Boys | BCOM | BBA |
| 6. | Arm Wrestling Boys | LLB | BBA |
| 7. | Arm Wrestling Girls | BCOM | LLB |
| 8. | Table Tennis Boys | LLB | BCOM |
| 9. | Table Tennis Girls | BSCS | LLB |
| 10. | Badminton Boys | BCOM | BBA |
| 11. | Badminton Girls | BSCS | LLB |
| 12. | Running 100 m Boys | LLB | BBA |
| 13. | Running 100 m Girls | BBA | BSCS |
| 14. | Running 200 m Boys | LLB | BBA |
| 15. | Running 200 m Girls | BBA | BCOM |



Chapter

11

UNIVERSITY BUILDING LEADERSHIP

- *Faculty Leadership (Awards and Representation in Govt. Policy Making Committees, Memberships on various Councils etc.)*
- *Student Leadership (Co-Curricular Activities: University Dramas, Exhibitions, Expos, Competitions, Debates at National & International Levels)*



CHAPTER

11

University Building Leadership

Faculty of Arts & Humanities

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

• **Faculty Leadership**

- Dr. Amra Raza – Member Rotary Club International
Member, International ASIA (TEFL) Association for English Language Teachers (2004 to date).
Convener, Board of Studies in English (2011 to date)
Editor-in-Chief Journal of Research (Humanities), Journal of English Studies ,Department of English, PU, (2011 to date).
Member, Equivalence Committee, University of the Punjab, Lahore (2008 to date).
Member, Selection Committee (Extra Curricular/ English Debates) (2010 to date).
Member, FPSC Review Committee of syllabi for CSS English Language/Literature (2011 to date).
Subject Specialist (English) Federal Public Service Commission.
Member of Faculty News Editorial Board (English) Punjab University.
Member of the Board of Faculty of Arts & Humanities (1997 to date).
Ms. Shamaila Dodhy – Syllabus Design and Coordination Committee, PU - In charge of Quality Enhancement Cell, Department of English, University of the Punjab, Lahore.
Ms. Amna Umer Cheema, Executive Member – ASA (Academic Staff Association), University of the Punjab, Lahore.
Ms. Ayesha F. Barque, - Faculty Advisor, PUMUN.
Mr. Shahzeb Khan, Secretary, Journal of Research (Humanities)

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

• **Faculty Leadership**

- Member Provincial Task Force on Women Empowerment and Provincial CEDAW Committee

DEPARTMENT OF SOCIAL WORK

• **Faculty Leadership**

- Ms. Bushra Naheed, Incharge/Assistant Professor
- Looking after administrative affairs of the Department



- Member Board of Studies in Social Work, University of the Punjab, Lahore
- Member Board Faculty of Behavioral and Social Sciences, University of the Punjab, Lahore
- Member Board of Studies in Social Work, Lahore College for Women University, Lahore.
- Member Board of Social Sciences, Bahauddin Zakariya University, Multan
- Social Work Expert in Punjab Public Service Commission
- Social Work Expert in Selection Board of Lahore College for Women University
- Convener Department Disciplinary Committee
- Convener Department Admission Committee
- Teaching two MSc courses “Social Case Work” & “Medical & Psychiatric Social Work”
- Monitoring and Guiding Social Work Practicum of different groups.

Attended / Conducted

Attended a Seminar on “Pakistan: Responding to Toughest Challenges” on February 20, 2014 at Pakistan Study Centre, University of the Punjab, Lahore.

Conducted a workshop at Department of Social Work in collaboration with Career Counseling & Placement Centre at Department of Social Work on 26 February, 2014

Conducted “Training of Trainers (TOT) on Social Work Practice with Drug Users” on 19 March 2014. The resource person was Dr. Andrew Hamid, a faculty member at Columbia’s School of Social Work, New York.

Attended “2014 National Education Forum on Higher Education” on March 20, 2014 at Law College, University of the Punjab, Lahore.

Attended an International Seminar on “Political Development and Violent Conflicts” on April 09, 2014 at Institute of Social & Cultural Studies, University of the Punjab, Lahore.

Conducted a workshop in collaboration with CWS on “Democracy and Minorities Rights” on 14 April, 2014.

Conducted “Training of Trainers (TOT) on Community Development Practice India and Pakistan” on 04 June 2014.

Conducted a Seminar on “Evolution of Social Work and Social Welfare in India & Pakistan”, by Social Work Department, University of the Punjab, Lahore, Pakistan on June 06, 2014.

Ms. Tahira Jabeen/Assistant Professor

- Member Board Faculty of Behavioral and Social Sciences
- Member Board of Studies, Social Sciences, BZ University, Multan.



- Member of the National Curriculum Review Committee for Social Work, and actually participated in revision of the BS Hons and MSc syllabus in 2014
- Member Department Doctoral Committee
- Member Department Disciplinary Committee
- Teaching one M Phil course 'Qualitative Research Methods', one PhD course 'Policy Making Process and Analysis' and one MSc course 'Social Policy, Planning and Welfare Administration'.
- Supervised two MSc research theses.
- Supervising Field Work Practicum.

Attended

- Attended "2014 National Education Forum on Higher Education" on March 20, 2014 at Law College, University of the Punjab, Lahore.
- Attended an International Seminar on "Political Development and Violent Conflicts" on April 09, 2014 at Institute of Social & Cultural Studies, University of the Punjab, Lahore.
- Participated in Training of Trainers on "Community Development Practice: India and Pakistan", Social Work Department, University of the Punjab, Lahore, Pakistan, 4 June 2014
- Presented a paper in a Seminar on "Evolution of Social Work and Social Welfare in India & Pakistan", by Social Work Department, University of the Punjab, Lahore, Pakistan on June 06, 2014.
- Facilitated the National Consultation Workshop for SOPs – CPUs development, UNICEF - Pakistan, Lahore, 16-17 July 2014.
- Presented SOPs – CPUs in the National Validation Workshop, UNICEF, Lahore, 28 August 2014.
- Presented at the International Rotary Club – Lahore chapter on International Peace Day, 23 September, 2014

Student Leadership

Co-curricular Activities

Students of Department of Social Work participated in

- Women Day Program on 8 March 2014
- Pakistan Day Program on 23 March 2014

Student Leadership

- Co-curricular Activities.
- In this year following events/activities of students were also organized:
 - Tours 2
 - Annual Dinners 1
 - Welcome Parties 1
 - Fair Well 1



Office of Resource Generation/Development

Future Plans

- Programs of different nature in the field of Community Development and Child Care & Protection.
- To Equip Computer Lab and Library with latest technologies.
- Taking initiative on digital library and install multimedia in all classes.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

- **Student Leadership**
 - Several societies exist in our College and throughout the year Exhibitions, Competitions, and Debates were arranged by them to actively involve the students and to help develop leadership in them. This institutionalized effort has been very helpful.

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- **Faculty Leadership**
 - The Chairman of the Department, as member Academic Council of National Textile University (NTU), Faisalabad, participated in the meeting held on 23.10.2012.
 - The Chairman of the Department, as member participated in the Selection Board of the National Textile University, Faisalabad held on 30.08.2012
 - The Chairman of the Department; participated in the 4th International Conference on Textile and Clothing (ICTC 2013) on the theme of Sustainable Products on Textile Exports, jointly organized by Society of Dyes and Colorists (SDC), The Textile institute Lahore, of University of Management and Technology (UMT) Lahore on March 28-30, 2013.
 - The Chairman of the Department; as member delivered a keynote lecture at the 1st Conference on Emerging Materials and Processes (CEMP 2013) – NUST at Islamabad held on 22nd - 24th August, 2013.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

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



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

Faculty of Sciences

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

- **Faculty Leadership**
 - i. Prof. Dr. Shahid Kamal is the member of Population Census Commission, Islamabad;
 - ii. Prof. Dr. Shahid Kamal and Dr. Sohail Chand are members of Federal Service Commission & Punjab Service Commission Interview Committees;
 - Prof. Dr. Shahid Kamal is the member of the committee on Rawalpindi Board (nominee from the PU) of Punjab Govt. Education Department.

DEPARTMENT OF GEOGRAPHY

- **Faculty Leadership**
 - The faculty members of this department are members Board of Studies of varies geography department of Pakistan. The faculty is also involved with HEC in preparing Curriculum of Geography.

SCHOOL OF PHYSICAL SCIENCES

- **Faculty Leadership**
 - Dr. Fawzia Tabassum, Assistant Professor, School of Physical Sciences is Life Member of Pakistan Society of Biochemistry and Molecular Biology, University of the Punjab and Member of Pakistan Chemical Society.



Chapter

12

FINANCE

- *Annual Statement of Accounts*
- *Financial Year at a Glance*
- *Audit Report*
- *Development Budget*
- *Recurring Budget*
- *Self-Generated Income*
- *SAP Related Activities*
- *Trend of Per Student Spending*



CHAPTER

12

Finance

ANNUAL STATEMENT OF ACCOUNTS

Rupees in million

| Sr. No. | Head of Income | Estimates 2013-14 | Revised 2013-14 | Actual 2013-14 |
|---------|---|-------------------|-----------------|----------------|
| | OPENING BALANCE | 22.823 | 22.823 | 22.823 |
| 1 | GOVERNMENT GRANTS | 1,777.243 | 1,941.478 | 1,950.103 |
| 2 | EXAMINATION FEES | 1,644.915 | 1,625.625 | 1,668.793 |
| 3 | REGISTRATION & DEGREE FEE | 632.850 | 633.000 | 629.919 |
| 4 | FACULTY OF BEHAVIORAL & SOCIAL SCIENCES | 3.940 | 4.910 | 5.296 |
| 5 | FACULTY OF ECO. & MANAGEMENT SCIENCES | 15.300 | 20.200 | 20.670 |
| 6 | FACULTY OF ARTS & HUMANITIES | 5.570 | 4.810 | 5.131 |
| 7 | FACULTY OF SCIENCE | 30.800 | 40.630 | 43.514 |
| 8 | FACULTY OF LIFE SCIENCES | 9.900 | 8.950 | 10.769 |
| 9 | FACULTY OF ENGG. & TECH. | 4.000 | 5.600 | 7.080 |
| 10 | FACULTY OF PHARMACY | 4.000 | 3.000 | 3.072 |
| 11 | FACULTY OF LAW | 5.500 | 5.000 | 4.570 |
| 12 | FACULTY OF COMMERCE | 15.000 | 12.800 | 16.217 |
| 13 | FACULTY OF ORIENTAL LEARNING | 3.225 | 2.300 | 2.685 |
| 14 | FACULTY OF ISLAMIC STUDIES | 1.375 | 1.360 | 1.929 |
| 15 | FACULTY OF EDUCATION | 0.380 | 0.450 | 0.461 |
| 16 | SUB CAMPUSES | 5.392 | 10.560 | 10.429 |
| 17 | FOREIGN STUDENTS | 20.000 | 23.000 | 31.607 |
| 18 | SELF SUPPORTING SCHEME | 152.070 | 153.850 | 182.661 |
| 19 | HOSTELS ADMISSION FEE & ROOM RENTS | 7.760 | 8.670 | 9.328 |
| 20 | RENTS COLLECTION | 63.700 | 38.730 | 48.941 |
| 21 | PUBLICATION | 3.700 | 4.000 | 4.992 |
| 22 | UTILITY CHARGES (RECOVERY) | 213.691 | 224.070 | 249.222 |



| | | | | |
|----|---------------------------------|------------------|------------------|------------------|
| 23 | INCOME FROM QUAID-E-AZAM CAMPUS | 28.355 | 27.820 | 46.404 |
| 24 | ENDOWMENT FUNDS INCOME | 352.900 | 403.767 | 400.312 |
| 25 | MISCELLANEOUS INCOME | 45.608 | 62.030 | 75.039 |
| | Total: (Income) | 5,047.174 | 5,266.610 | 5,429.144 |
| | Total Funds Available | 5,069.997 | 5,289.433 | 5,451.967 |

Note: Excluding I.E.R.

| SrNo. | Head of Expenditure | Estimates201 3-14 | Revised201 3-14 | Actual2013 -14 |
|-------|---|----------------------|--------------------|-------------------|
| 01 | General Administration | 291.604 | 289.601 | 272.725 |
| 02 | Examinations | 718.410 | 725.408 | 694.924 |
| 03 | Faculty of Behavioral & Social Sciences | 127.773 | 118.591 | 111.983 |
| 04 | Faculty of Eco. & Management Sciences | 157.723 | 141.224 | 130.595 |
| 05 | Faculty of Arts & Humanities | 163.880 | 148.784 | 140.472 |
| 06 | Faculty of Science | 550.955 | 482.712 | 452.546 |
| 07 | Faculty of Life Sciences | 291.100 | 269.776 | 256.843 |
| 08 | Faculty of Engineering & Technology | 190.638 | 169.570 | 155.165 |
| 09 | Faculty of Pharmacy | 83.000 | 67.920 | 59.791 |
| 10 | Faculty of Law | 85.078 | 77.975 | 73.501 |
| 11 | Faculty of Commerce | 128.115 | 117.271 | 111.813 |
| 12 | Faculty of Oriental Learning | 156.658 | 132.700 | 124.466 |
| 13 | Faculty of Islamic Studies | 48.300 | 42.136 | 37.016 |
| 14 | Faculty of Education | 43.400 | 39.074 | 35.612 |
| 15 | Sub Campus Gujranwala | 100.914 | 84.984 | 72.433 |
| 16 | Undergraduate Studies | 25.509 | 27.520 | 26.010 |
| 17 | Improvement of Education | 544.677 | 503.594 | 409.650 |
| 18 | Sports & Games | 32.660 | 29.090 | 27.476 |
| 19 | University Hostels | 105.565 | 101.266 | 95.347 |
| 20 | Department of Press & Publication | 40.357 | 37.334 | 34.073 |
| 21 | Campus Corporation | 222.560 | 218.166 | 201.103 |
| 22 | Maintenance of Land & Garden | 143.266 | 139.096 | 133.469 |



| | | | | |
|----|--|--------------------|------------------|------------------|
| 23 | Works & Maint. of Buildings | 133.281 | 149.930 | 142.811 |
| 24 | Utility Chargess | 362.830 | 352.330 | 329.106 |
| 25 | Medical Facility | 117.282 | 112.171 | 105.756 |
| 26 | Miscellaneous | 95.454 | 87.332 | 70.939 |
| 27 | Students Scholarships | 108.639 | 108.639 | 100.435 |
| 28 | Pension / Employees Benefits | 622.227 | 562.978 | 542.356 |
| 29 | Development Budget | 401.870 | 410.328 | 361.386 |
| | Total: (Expenditure) for the Year | 6,093.725 | 5,747.500 | 5,309.802 |
| | Surplus / Deficit for the Year | (1,046.551) | (480.890) | 119.342 |
| | Transfer to Endowment Funds | - | - | 125.000 |
| | Closing Balance | (1,023.728) | (458.067) | 17.165 |

Note: Excluding I.E.R.

Finance year at Glance:

- The University started financial year 2013-14 with projected deficit of Rs.1,046.551 Million. Main reason for the deficit was increase in salaries over the three years not compensated with increase in Government Grants. To meet with the deficit, multifaceted plans were initiated. Which were:

- H.E.C was requested to provide additional funding for increase in salaries.
- Self generation of income from existing resources was focused.
- New hiring was restricted to only in essentially required cases.
- Certain expenses were curtailed.

- Financial year 2013-14 closed with contributions of Rs.125 Million to Endowment funds and savings of 17.165 million.

Development Budget:

- Development Expenditure of Rs.391.870 Million was estimated for 2013-14 including Rs.207.146 Million for development of buildings & structures and Rs.194.724 Million for purchase of Equipment, Furniture, Computers, Software's.

Recurring Budget:

- Following are the details of Budget Estimates for the year 2013-14:



| S.No | Description | Amount (Rs. in Million) |
|-------|--|----------------------------|
| i) | Pay & Regular Allowances | 3,178.653 |
| ii) | Other Benefits & Facilities | 392.614 |
| iii) | Pension | 557.527 |
| iv) | Conduct & Remuneration of Examinations | 452.900 |
| v) | Utility Charges | 517.230 |
| vi) | Lumpsum Provision for Research | 100.000 |
| vii) | Scholarships (Faculty / Students) | 199.239 |
| viii) | Other Current Expenditures | 293.692 |
| | Total: | 5,691.855 |

Self Generated Income

o Self generated income of the University of the Punjab comprised of four major sources as under:

- On-campus students. Rs. 276.452 Million
- Off-campus students. Rs.2,277.765 Million
- Other income from land and other activities. Rs. 362.864 Million
- Endowment Funds Rs. 352.900 Million

Trend of per student spending:

| Year | Annual Operational Expenses | Total on-campus regular students | Annual Expenses per student |
|-----------|-----------------------------|----------------------------------|-----------------------------|
| 2012-2013 | 3,892,879,571 | 19,554 | Rs. 199,084 |
| 2013-2014 | 5,691,855,000 | 19,376 | Rs. 293,758 |



Chapter

13

UNIVERSITY GOVERNANCE

- *Syndicate Meetings*
- *Academic Council Meetings*
- *Board of Advanced Studies Meetings*



CHAPTER

13

University Governance

UNIVERSITY GOVERNANCE

• **Chief Executives**

- Chancellor ---
- Pro Chancellor ---
- Vice Chancellor ■ **Prof. Dr. Mujahid Kamran**
- Pro Vice Chancellor ---

• **Deans**

- Dean, Faculty of Sciences ■ **Prof. Dr. Kh. Haris Rashid**
from 25.5.2011 to 24.05.2014
- Dean, Faculty of Life Sciences ■ **Prof. Dr. Muhammad Akhtar**
since 11.09.2014
- Dean, Faculty of Arts & Humanities ■ **Prof. Dr. Massarrat Abid**
since 01.01.2014
- Dean, Faculty of Commerce ■ **Prof. Dr. Hassan Mobeen Alam**
since 14.08.2014
- Acting Dean, Faculty of Law ■ **Prof. Dr. Shazia Qureshi**
since 10.08.2014 (Acting Dean)
- Dean, Faculty of Economics & Management Sciences ■ **Prof. Dr. Muhamamd Ehsan Malik**
since 31.12.2008
- Incharge, Dean Faculty of Education ■ **Prof. Dr. Mumtaz Akhtar**
since 13.03.2014
- Dean, Faculty of Engineering & Technology ■ **Prof. Dr. Muhammad Taqi Zahid Butt**
w.e.f 27.7.2012
- Incharge, Dean, Faculty of Islamic Studies ■ **Prof. Dr. Tahira Basharat**
since 28.04.2014
- Dean, Faculty of Oriental Learning ■ **Prof. Dr. Ismatullah Zahid**
Incharge Dean w.e.f 20.01.2014
- Dean, Faculty of Pharmacy ■ **Prof. Dr. Mobasher Ahmad Butt**
w.e.f 20.01.2014

• **Heads of Administrative Departments**

- Registrar ■ **Dr. Liaqat Ali**
Professor on Contract, Hailey College of Commerce
(Additional assignment from 23.02.2014 to 10.10.2014)
- Treasurer ■ **Rao Muhammad Sharif**
Additional Treasurer
(Additional assignment from 06.03.2012 to date)



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- | | |
|--|---|
| ○ Controller of Examinations | ▪ Prof. Dr. Liaqat Ali Principal, Hailey College of Commerce (Additional assignment from 03.03.2011 to 12.10.2014) |
| ○ Chief Librarians | ▪ Prof. Dr. Shahid Munir Director, Centre for Coal Technology Additional assignment from 13.10.2014 to date) |
| ○ Chief Medical Officer | ▪ Ch. Muhammad Hanif (16.09.2004 to 31.01.2014) On contract from 01.02.2014 to 30.11.2014) |
| ○ Chairman, Hall Council | ▪ Mr. Haseeb Ahmad Piracha Temporary basis from 01.12.2014 to date |
| ○ Director, Directorate of Student Affairs | ▪ Dr. Nauman Ahmed (from 16.03.2011 to 26.09.2014) (on contract from 27.09.2014 to date) |
| ○ Resident Officer-I | ▪ Prof. Dr. Muhammad Akhtar Chairman, Department of Zoology (Additional assignment from 28.05.2012 to date) |
| | ▪ Shahid Mahmood Gul Assistant Professor, Department of Philosophy (Additional assignment from 29.01.2014 to date) |
| | ▪ Mr. Javed Sami Assistant Professor, Department of Space Science (Additional assignment from 25.06.2010 to 24.06.2014) |
| | ▪ Dr. Ahsan Sharif Assistant Professor, Institute of Chemistry (Additional assignment from 25.06.2014 to 17.10.2014) |
| | ▪ Prof. Dr. Sajid Rashid Ahmad Institute of Geology (Additional assignment from 18.10.2014 to date) |
| ○ Resident Officer-II | ▪ Malik Muhammad Zaheer (14.10.2000 to date) |
| ○ Chief Engineer | ▪ Mr. Jamil Ahmad (11.03.2013 to date) |
| ○ Director, P&D Wing | ▪ Engr. Tariq Majeed Qureshi Formerly General Manager (Planning & Development) PTCL (on contract from 05.08.2008 to date) |
| ○ Director, Press & Publications | ▪ Mr. Amjad Pervez Assistant Professor, College of Art & Design (Additional assignment from 25.04.2012 to date) |
| ○ Director, I.T. Centre | ▪ Mr. Imran Qureshi (01.12.2009 to date) |
| ○ Director, Public Relations | ▪ Vacant |



- Director, Directorate of External Linkages
- Public Relations Officer
- Resident Auditor
- **Directors**
 - Institute of Administrative Sciences
 - Institute of Business Administration
 - Institute of Social & Cultural Studies
 - Institute of Communication Studies
 - Director General, Punjab University Gujranwala Campus
 - Centre for Clinical Psychology
 - Institute of Applied Psychology
 - Institute of Chemical Engineering & Technology
 - Centre for Undergraduate Studies
 - School of Physical Sciences
 - Institute of Quality & Technology Management
 - Sheikh Zayed Islamic Centre
 - Institute of Education & Research
 - Institute of Biochemistry & Biotechnology
- **Ms. Maria Isabel Maldonado**
Assistant Professor, Spanish Language
(Additional assignment from 18.01.2010 to date)
- **Mr. Khurram Shahzad**
(on contract basis 03.02.2011 to date)
- **Mr. Naeem Iqbal Qureshi**
Government of the Punjab, Finance Department
Town Accounts Officer, Town Municipal Administration, Aziz Bhatti Tow, Lahore
(on deputation from 16.02.2010 to date)
- **Prof. Dr. Nasira Jabeen**
since 10.9.2009
- **Prof. Dr. Muhamamd Ehsan Malik**
since 05.01.2009
- **Prof. Dr. Muhammad Hafeez**
till 02.02.2012
- **Prof. Dr. Muhammad Zakria Zakar**
w.e.f 04.4.2012
- **Dr. Noshina Saleem (Incharge)**
since 13.2.2013
- **Prof. Dr. Muhamamd Ehsan Malik**
since 03.5.2008
- **Prof. Dr. Rukhsana Kausar**
w.e.f 15.11.2011
- **Prof. Dr. Rukhsana Kausar**
w.e.f 15.11.2011
- **Dr. Aamir Ijaz**
since 01.6.2012
- **Dr. Aamir Ijaz**
w.e.f 17.01.2014
- **Dr. Aamir Ijaz**
since 15.03.2011
- **Dr. Abdul Salam**
w.e.f 01.06.2012
- **Dr. Muhammad Ijaz**
since 21.3.2011
- **Prof. Dr. Mumtaz Akhtar**
since 22.12.2008
- **Prof. Dr. Amtul Jamil Sami**
since 08.08.2014



- Institute of Business & Information Technology
 - Institute of Chemistry
 - Institute of Geology
 - Centre for High Energy Physics
 - Institute of Agricultural Sciences
 - Centre for Coal Technology
 - Centre for Integrated Mountain Research
 - Institute of Languages
 - Pakistan Study Centre
 - Centre for South Asian Studies
 - Centre for Solid State Physics
 - School of Biological Sciences
 - Department of Literary History of the Muslim of Indo-Pak Sub Continent
 - Centre for Excellence and Molecular Biology
 - **Chairmen/Chairpersons**
 - Department of History
 - Department of Archeology
 - Department of Philosophy
 - Department of Islamic Studies
- **Prof. Dr. Syed Mansoor Sarwar**
 - **Prof. Dr. Muhammad Makshoof Athar**
since 24.02.2014
 - **Prof. Dr. Shahid Ghazi**
since 11.03.2014
 - **Dr. Bilal Masood**
since 30.05.2014
 - **Prof. Dr. Muhammad Saleem Haider**
since 14.03.2014
 - **Prof. Dr. Shahid Munir**
since 02.12.2011
 - **Dr. Khalida Khan**
since 20.10.2011
 - Ms. Maria Isabel Maldonado
since 13.7.2010
Director External Linkages w.e.f 18.07.2009
 - **Prof. Dr. Massarrat Abid**
since 18.8.2004
 - **Prof. Dr. Ambreen Javaid**
Acting Director since 08.2.2011
 - **Prof. Dr. Shahzad Naseem**
 - **Prof. (R) Dr. Muhammad Akhtar**
since 01.07.2002
 - **Prof. (R) Dr. Khawaja Muhammad Zakria**
since 30.5.2008
 - **Prof. Dr. Tayyab Husnain**
Acting Director
 - **Prof. Dr. Muhammad Iqbal Chawala**
since 01.3.2013
 - **Dr. Farzand Masih**
 - **Prof. Dr. Abdul Hafeez**
from 06.8.2011 to 31.10.2012
 - **Dr. Shagufta Begum**
since 01.04.2013
 - **Prof. Dr. Muhammad Saad Siddiqui**
since 31.12.2013



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- | | |
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| <ul style="list-style-type: none">○ Department of Economics○ Department of Social Work ○ Department of Political Science○ Department of Library & Information Science○ Department of English Language & Literature○ Department of Arabic ○ Department of Persian ○ Department of Urdu ○ Department of Punjabi ○ Department of Kashmiryat ○ Department of Mathematics ○ Department of Geography ○ Department of Metallurgy & Materials Engineering○ Department of Mosque○ Department of Botany ○ Department of Microbiology & Molecular Genetics○ Department of Physics | <ul style="list-style-type: none">▪ Prof. Dr. Muhammad Saad Siddiqui since 31.12.2013▪ Dr. Hafeez ur Rehman▪ Dr. Zahid Javed upto 27.12.2011▪ Mr. Tahir Riaz Ch. w.e.f 28.12.2011▪ Ms. Bushra Naheed Acting Incharge since 11.2.2013 ▪ Dr. Umbreen Javaid▪ Prof. Dr. Kanwal Amin since 25.5.2009▪ Dr. Amra Raza since 01.10.2011▪ Prof. Dr. Khalid Dad Malik since 22.03.2014▪ Prof. Dr. Ghulam Moeen ud Din since 14.05.2014▪ Mr. Muhammad Kamran w.e.f 29.10.2013▪ Prof. Dr. Ismat Ullah Zahid since 14.06.2014▪ Dr. Nusrat Nisar Incharge w.e.f 28.12.2011▪ Prof. Dr. Shahid S. Siddiqui from 15.03.2010 to 05.05.2013▪ Prof. Dr. Muhammad Sharif since 16.5.2013▪ Prof. Dr. Abdul Ghaffar since 12.7.2010▪ Prof. Dr. Rafiq Ahmad since 23.06.2011▪ Dr. Hafiz Abdullah▪ Prof. Dr. Muhammad Saleem since 23.02.2014 ▪ Prof. Dr. Anjum Nasim Sabri since 18.05.2014▪ Prof. Dr. M. Azhar Iqbal since 04.02.2014 |
|--|--|



- Department of Space Science ■ **Dr. Syed Amer Mahmood**
since 11.08.2014
- Department of Zoology ■ **Prof. Dr Muhammad Akhtar**
- Department of Sports & Physical Sciences ■ **Mr. Zafar Iqbal Butt**
since 02.6.2011(Incharge)
- Textile Engineering & Technology ■ **Prof. Dr. Tahir Jamil**
since 21.03.2014
- Department of Polymer Engineering ■ **Prof. Dr. Tahir Jamil**
since 30.08.2014
- Department of Electrical Engineering ■ **Prof. Dr. Rafiq Ahmad**
w.e.f 25.6.2013
- Department of Gender Studies ■ **Prof. Dr. Zakria Zakir**
Incharge, Chairperson since 30.4.2013
- Department of Special Education ■ **Dr. Humara Bano**
Incharge Chairperson since 14.3.2008
- Moulana Zafar Ali Khan Chair ■ **Prof. Dr. Zahid Munir Amir**
from 28.2.2011 to 07.01.2013
- Iqbal Studies Chair ■ **Prof. (R) Dr. Sayyid Muhammad Akram**
(on contract)
- Urdu Development Committee ■ **Prof. Dr. Aurangzeb Alamgir**
Convener
- Firdausi Chair ■ **Dr. Muhammad Nasir**
Professor on Firdausi Chair since 06.1.2014
- Hajvery Chair ■ **Prof. (R) Dr. Zahoor Ahmad Azhar**
since 02.8.2010 (on contract)
- Rumi Chair ■ **Prof. Dr. Durmust Bulgur**
since 20.2.2012
- **Principals**
 - College of Engineering & Emerging Technologies ■ **Prof. Dr. Rafiq Ahmad**
from 10.9.2011 till further order
 - University College of Pharmacy ■ **Prof. Dr. Mobasher Ahmad Butt**
since 09.03.2014
 - University Oriental College ■ **Prof. Dr. Mazhar Moeen**
since 16.7.2002 to 31.01.2013
 - Hailey College of Commerce ■ **Prof. Dr. Ismat Ullah Zahid**
since 01.02.2013
 - Hailey College of Banking & Finance ■ **Prof. Dr. Hassan Mobeen Alam**
since 10.08.2014
 - Hailey College of Banking & Finance ■ **Prof. Dr. Mubashber Munawar Khan**
since 13.08.2014



- College of Statistical & Actuarial Sciences ▪ **Prof. Dr. Shahid Kamal**
- College of Earth & Environmental Sciences ▪ **Prof. Dr. Riaz Ahmad Sheikh**
since 02.11.2010
▪ Prof. Dr. Firdaus-e-Bareen
since 04.4.2012
- Punjab University College of Information Technology & GIS Centre ▪ **Prof. Dr. Syed Mansoor Sarwar**
- University Law College ▪ **Dr. Shazia N.Quershi**
since 18.04.2014
- University College of Art & Design ▪ **Prof. Dr. Shahida Manzoor**
Since 08.08.2014

● **Meetings of Various Bodies of the University**

The details of the meetings of various bodies of the University of the Punjab conducted by the Meetings Section from 1st October, 2013 to 30th September, 2014 are as under:-

- **Senate**
 - Nil
- **Syndicate**
 - 03-10-2013
 - 11-11-2013
 - 26-11-2013
 - 19-12-2013
 - 23-12-2013
 - 04-01-2014
 - 18-01-2014
 - 01-02-2014
 - 29-03-2014
 - 19-04-2014
 - 19-04-2014
 - 26-06-2014
 - 08-08-2014
- **Academic Council**
 - 03-03-2014
 - 19-06-2014



○ **Advanced Studies & Research Board**

- 03-10-2014
- 11-11-2013
- 26-11-2013
- 19-12-2013
- 23-12-2013
- 30-01-2014
- 20-02-2014
- 02-04-2014
- 02-06-2014
- 30-06-2014
- 17-07-2014
- 21-08-2014
- 03-09-2014
- 29-09-2014



Chapter

14

OFFICE OF RESOURCE GENERATION/DEVELOPMENT

- *Initiatives and Implementation*
- *Future Plans*

**CHAPTER****14****Office of Resource Generation/Development****Office of Resource Generation/Development**

Planning & Development wing is a department of the University through which all spheres of activities are planned, controlled and put into developmental operations. The wing is flourishing under the tutelage of Eng. Tariq Majid Qureshi, Director Planning & Development. The Wing is currently monitoring & evaluating all the development projects funded by both federal and Provincial Governments. It also prepares the Telephone directory and compiles all type of statistics data related to the University. The compiled data is forwarded to different stakeholders like Higher Education Commission etc. which in term manipulates the collected data for ranking of University throughout Pakistan.

During 2013-14, the Planning & Development Wing monitored the 11 on-going federally funded projects as per following details:

On-going Projects Funded by Federal Government

| Sr. | Name of the Projects | Total Cost (Rs. In M) |
|-----|--|-----------------------|
| 1 | Capacity Building and Upgradation of Selected Departments at, University of the Punjab, Lahore. | 834.188 |
| 2 | Strengthening & Up-gradation of Departments. | 474.630 |
| 3 | Establishment of Newly Emerging Disciplines. | 466.880 |
| 4 | Strengthening of school of biological sciences. | 377.328 |
| 5 | Financial Assistance for Punjab University | 99.740 |
| 6 | Strengthening of Academic Research and Clinical Services at Clinical Psychology. | 37.290 |
| 7 | Expansion/Up-gradation of existing facilities at GIS. | 37.00 |
| 8 | Strengthening of Newly Initiated Academic Programs. | 179.804 |
| 9 | Establishment of Industrial Research Laboratory for Material Synthesis and Characterization. | 52.982 |
| 10 | Establishment of Experimental Facilities for Fabrication and Characterization of Functional Nonoceramics at center of Excellence in Solid State Physics. | 38.533 |
| 11 | Provision for Sports Facilities | 92.484 |

During 2013-14, P&D wing has proposed Higher Education commission (2) projects to be included in Public Sector Development Program (PSDP) as per following details



| Sr.No | Name of Project | Estimated Cost (Rs. In Million). |
|-------|---|----------------------------------|
| 1. | Improvement, up-gradation and uplifting of existing Departments at University of the Punjab, Lahore | 890.00 |
| 2. | Establishment of Punjab University Medical & Dental Complex at Punjab University, Lahore | 880.00 |

Statistical Data Collection during 2013-14

| Sr. # | Task accomplished |
|-------|--|
| 1 | Collection of Annual Statistical Data 2013-14 |
| 2 | Laptop Distribution under Prime Minister Laptop Scheme |

Student financial aid centre is presently working under the control of Director, Planning & Development.

The following functions are being performed by SFAC.

- **Merit/Needy Scholarship Awarded to Students**
 - Total Allocation: 60,000,000/- @ 12000/- each to 5000 students.

| Sr. No. | Name of Faculty | Scholarship Allocated |
|---------|---|-----------------------|
| 1 | Faculty of Behavioral & Social Sciences | 381 |
| 2 | Faculty of Economics & Management | 461 |
| 3 | Faculty of Arts & Humanities | 243 |
| 4 | Faculty of Commerce | 750 |
| 5 | Faculty of Law | 298 |
| 6 | Faculty of Oriental Learning | 103 |
| 7 | Faculty of Islamic Studies | 65 |
| 8 | Faculty of Engineering & Technology | 299 |
| 9 | Faculty of Life Sciences | 617 |
| 10 | Faculty of Sciences | 1102 |
| 11 | Faculty of Pharmacy | 163 |
| 12 | Faculty of Education | 36 |
| 13 | Gujranwala Faculty | 337 |
| 14 | Jhelum Campus | 105 |
| 15 | At the disposal of the Vice-Chancellor | 40 |
| | Total | 5000 |



- Total Allocation of disabled students: 1,000,000/- @ 4184/- each student for **239** students
- PEEF Scholarships Master Level **284** Students Stipend per Month @ 5000/- Boarder and @ 3000/- Day Scholars) + Tuition fee, Admission fee, Examination fee.
- PEEF Scholarships Meritorious Level **89** Students (Students Stipend per Month @ 4950/- Boarder and 3000/- Day Scholars) + Tuition fee, Admission fee, Examination fee.
- Balochistan Students Stipend **172** Scholarships @ 3000/- per month
- HEC Need Based Scholarships for **260** Students (Students Stipend Per Month @ 6000/-) + Tuition Fee
- Pakistan Scottish Scholarships Scheme (PS3) **05**
- Ph.D Scholarships **100** @ 5000 per month
- M. Phil/ MS scholarships **100** @ 2500 per month
- Sports Scholarships **30** students @ 12000 each
- Prime Minister's National ICT Scholarship Program **24**
- Others Scholarships by Different Donors **390**
- National Bank Loan **20** students

**Scholars Proceeded Abroad for Oral / Poster Presentation of Research Papers
From 01.10.2013 to 30.09.2014**

| Sr. No. | Name & Designation | Department | Subject | Country | Period |
|---------|---|--|---|-------------------------------|----------------------|
| 1. | Prof. Dr. M. Saleem Haider Director | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled "Characterization of begomoviruse isolated from a weed Sonchus oleraceus (Sowthistle) from Pakistan | Hangzhou, China | 03-09 November, 2013 |
| 2. | Prof. Dr. Shahid Kamal Principal | College of Statistical and Actuarial Sciences | Travel grant for oral presentation of research paper titled "Leadership Styles in Public and Private Sector Universities in Pakistan" | San Antonio's River Walk, USA | 18-20 October, 2013 |
| 3. | Prof. Dr. Rafi Ullah Khan | Institute of Chemical Engineering & Technology | Travel grant for oral presentation of research paper titled "Characterisation of Blended Biodiesel Produced By Trans-Esterification of Jatropha Oil" | San Francisco, USA | 03-08 November, 2013 |
| 4. | Dr. Shahid Jamil Sameeni | Institute of Geology | Travel grant for oral presentation of research | Phuket, Thailand | 28-29 October, 2013 |



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|-----|--|---|---|--------------------------|----------------------------|
| | Associate Professor | | paper titled "Biostratigraphy of Chorgali Formation, Bochal and Pir Makhdum Jahanian area, Central and Eastern Salt Range, Northern Pakistan" | | |
| 5. | Dr. Noshina Saleem Assistant Professor Incharge | Institute of Communicati on Studies | Travel grant for oral presentation of research paper titled "US Foreign Policy towards Pakistan, India and Afghanistan (2011-2012): Framing of Pakistani Press" | Osaka, Japan | 08-10 November, 2013 |
| 6. | Dr. Tariq Mahmud Assistant Professor | Institute of Chemistry | Travel grant for oral presentation of research paper titled "Utilization of Ricinus communis stem powder for sorpitive eradication of Methylene Blue dye from aqueous media ineco-friendly way" | Istanbul, Turkey | 05-07 November, 2013 |
| 7. | Dr. Ahmed Sher Awan Assistant Professor | Institute of Education & Research | Travel grant for oral presentation of research paper titled "A Study of Constructivist Approach of Learning for the Conceptual Change about the Concept Chemical Change" | Las Vegas, NV-USA | 17-20 December, 2013 |
| 8. | Dr. Adnan Mujahid Assistant Professor | Institute of Chemistry | Travel grant for poster presentation of research paper titled "Poly (Vinyl Alcohol)/Copper Ionic Composite-based Humidity Sensors" | Auckland, New Zealand | 08-12 December, 2013 |
| 9. | Dr. Tajamal Hussain Assistant Professor | Institute of Chemistry | Travel grant for oral presentation of research paper titled "Febrication of Nanoparticle and Nanocomposite and Comparitive Study of their Activity" | Sarawak, Malaysia | 03-04 December, 2013 |
| 10. | Ms. Fouzia Ali Lecturer | Hailey College of Commerce | Travel grant for poster presentation of research paper titled "Assessing Knowledge Base and | Orlando, Florida, USA | 02-05 January, 2014 |



| | | | Trends Regarding Corporate Social Responsibility among Companies” | | |
|-----|--|--|---|--------------------------|----------------------------|
| 11. | Mr. Muhammad Haris Lecturer | GIS Center, Punjab University College of Information Technology | Travel grant for oral presentation of research paper titled “An Object Based Conceptual Framework for Location Based Social Networking” | Orlando, Florida, USA | 05-08 November, 2013 |
| 12. | Mr. Tabassum Riaz Lecturer (On Adhoc Basis) | Department of Commerce University of the Punjab, Jhelum Campus | Travel grant for oral presentation of research paper titled “Assessing the impact of work-life conflict on organizational commitment provided by education sector of Pakistan” | Pahang, Malaysia | 19-21 November, 2013 |
| 13. | Mr. Muhammad Imran Din Lecturer | Institute of Chemistry | Travel grant for poster presentation of research paper titled “Microwave Treated Saccharum bengalense as an Eco Friendly Biomaterial for the Removal of Toxic Methyl Violet Dye from Aqueous Solution-A Green approach” | Auckland, New Zealand | 08-13 December, 2013 |
| 14. | Prof. Dr. Muhammad Akhtar Chairman | Department of Zoology | Travel grant for oral presentation of research paper titled “Role of Tertiary Education in progress of nations and importance of Transnational Education” | Dubai, UAE | 28-29 November, 2013 |
| 15. | Prof. Dr. Khalid Hussain | University College of Pharmacy | Travel grant for oral presentation of research paper titled “Glutathione S-Transferases Specific Activity, Acute Oral Toxicity and in Vivo Hepatoprotective Effects of Kanji” | Antalya, Turkey | 02-05 November, 2013 |
| 16. | Dr. Hamid Ashraf Hamdani Associate Professor | Department of Arabic | Travel grant for oral presentation of research paper titled “Arabic | Cairo, Egypt | 25-27 November, 2013 |



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|-----|--|------------------------------------|--|-------------------|----------------------|
| | | | poetry in Pakistan originality and innovation” | | |
| 17. | Dr. Hafiz Abdul Qadeer Assistant Professor | Department of Arabic | Travel grant for oral presentation of research paper titled “Influence of Arabic Poetry on Urdu Poetry” | Cairo, Egypt | 25-27 November, 2013 |
| 18. | Dr. Muhammad Shahid Farooq Assistant Professor | Institute of Education & Research | Travel grant for oral presentation of research paper titled “Student – Teacher Interaction of Prospective Teachers and Academic Success” | Seville, Spain | 18-20 November, 2013 |
| 19. | Ms. Tahira Jabeen Assistant Professor | Department of Social Work | Travel grant for oral presentation of research paper titled “Citizen, Rights and Accountability: a case for children (Pakistan)” | Sydney, Australia | 21-22 November, 2013 |
| 20. | Dr. Nadeem Sheikh Assistant Professor | Department of Zoology | Travel grant for oral presentation of research paper titled “Effectiveness of Tenekil, Termidor and Terminusto Microtermes obesi (Isoptera: Termitidae,)” | Texas, USA | 10-13 November, 2013 |
| 21. | Mr. Ahmad Ali Naqvi Lecturer | Department of Political Science | Travel grant for oral presentation of research paper titled “Dilemma of Extremism in Pakistan: Alternate Strategies” | London, UK | 05-08 November, 2013 |
| 22. | Dr. Naureen Akhtar Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “In vivo pathogenicity studies of Aspergilli in Lepidopteran model host Galleria mellonella” | Phuket, Thailand | 23-24 November, 2013 |
| 23. | Prof. Dr. Tanveer Akhtar Dean | Faculty of Life Sciences | Travel grant for poster presentation of research paper titled “High Frequency of BCR-ABL/t (22;9) Translocation As Detected By RT-PCR and Interphase FISH In Pediatric B-Cell All Patients Identifies” | USA | 07-10 December, 2013 |



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| 24. | Prof. Dr. Aamir Ijaz Director | Institute of Chemical Engineering & Technology | Travel grant for oral presentation of research paper titled "A Qualitative Study of the Critical Success Factors of ERP System: A Case Study Approach" | Bali, Indonesia | 07-09 January, 2014 |
| 25. | Prof. Dr. Iram Khalid | Department of Political Science | Travel grant for oral presentation of research paper titled "Changing Pattern of Pakistan's National Security Policy Post 9/11 Era" | Florida, USA | 05-07 January, 2014 |
| 26. | Dr. Kamran Abid Assistant Professor | Department of Electrical Engineering | Travel grant for oral presentation of research paper titled "Tuneable high-responsivity lateral silicon p-i-n photocodiodes with single, dual MOS gate and grating structures" | California, USA | 01-06 February, 2014 |
| 27. | Dr. Muhammad Azhar Naeem Assistant Professor | Department of Electrical Engineering | Travel grant oral presentation of research paper titled "A polarization modulation in monolithically-integrated devices at 300 mpbs" | California, USA | 01-06 February, 2014 |
| 28. | Dr. Tariq Mahmood Assistant Professor | Institute of Education & Research | Travel grant for oral presentation of research paper titled "Effect of Leadership Style and Emotional Intelligence Profile on Participative Decision Making Practices of Principals for the Management of Inclusive Education" | Las Vegas, NV. USA | 17-20 December, 2013 |
| 29. | Dr. Saba Riaz Assistant Professor | Department of Microbiology and Molecular Genetics | Travel grant for poster presentation of research paper titled "Correlation of Hepatitis C Virus (HCV) Genotyping, Viral load and Biochemical Markers in Sindh, Pakistan" | Bangkok, Thailand | 24-25 December, 2013 |
| 30. | Mr. Muhammad Kamran Assistant Professor | College of Earth and Environmental Sciences | Travel grant for poster presentation of research paper titled "Challenges and opportunities for | Colombo, Sri Lanka | 08-10 December, 2013 |



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|-----|---|---|---|------------------------|----------------------|
| | | | Hospitality and Tourism Sector of Pakistan” | | |
| 31. | Dr. Arshad Javaid Assistant professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Management of Basal Rot of Onion by <i>Coronopus didymus</i> ” | Kuala Lumpur, Malaysia | 29-30 December, 2013 |
| 32. | Dr. Shakil Ahmed Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Production of Laccase from <i>Trichoderma</i> species isolated from different environment” | Kuala Lumpur, Malaysia | 29-30 December, 2013 |
| 33. | Dr. Salik Nawaz Khan Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “In vitro evaluation of fungicidal activity of crop and wasteland weeds against <i>Myrothecium roridum</i> Tode” | Kuala Lumpur, Malaysia | 29-30 December, 2013 |
| 34. | Ms. Shabnam Javed Lecturer | Centre for Undergraduate Studies | Travel grant for oral presentation of research paper titled “Large Scale Production of High Quality Aloe vera Gel, Safety Aspects and Commercialization by Cosmetics and Health Industries-Academia Linkages” | Miri, Malaysia | 08-12 December, 2013 |
| 35. | Mr. Ahmad Ali Naqvi Lecturer | Department of Political Science | Travel grant for oral presentation of research paper titled “Regional Stability through Regional Economic Linkages: A Case of Afghanistan-Pakistan-India” | Florida, USA | 05-07 January, 2014 |
| 36. | Mr. Muhammad Zeeshan Akbar Lecturer I.T. (On Contract Basis) | Department of Microbiology & Molecular Genetics | Travel grant for poster presentation of research paper titled “E-learning and Pakistan-An Era of Modern Education” | Istanbul, Turkey | 03-05 February 2014 |
| 37. | Mr. Adnan Zahid Lecturer (On Contract Basis) | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Impact of | Kuala Lumpur, Malaysia | 29-30 December, 2013 |



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| | | | industrial effluents and sewage sludge on soil of peri-urban areas of Rawalpindi” | | |
| 38. | Ms. Farrukh Munir Lecturer | Institute of Education & Research | Travel grant for oral presentation of research paper titled “Attitudes of High/Secondary School Students towards “English as Foreign Language (FFL)”: A Study of High School Students in District Lahore, Punjab Pakistan” | Bangkok, Thailand | 18-20 January, 2014 |
| 39. | Mr. Waheed Anwar Research Officer (On Contract Basis) | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Agro-ecological distribution pattern of Entomopathogenic Fungi, <i>Beauveria bassiana</i> in Pakistan” | Pattaya, Thailand | 17-18 December, 2013 |
| 40. | Mr. Muhammad Tariq Manzoor Research Officer (On Contract Basis) | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Dissecting plant Diversity in a local Punjab’ora using the matk DNA barcode” | Pattaya, Thailand | 17-18 December, 2013 |
| 41. | Dr. Nadeem Sheikh Assistant Professor | Department of Zoology | Travel grant for poster presentation of research papers titled:- 1. Histopathological and histochemical alterations due to acute iron and copper intoxication in rat liver. 2. Changes in serum protein profile due to iron and copper induced toxicity in <i>Rattus norvegicus</i> . 3. Impact of acute iron & copper intoxication on biochemical liver function in Wister Rat” | Tubingen Germany | 23-25 January 2014 |
| 42. | Dr. Muhammad Faisal Assistant Professor | Department of Microbiology & Molecular | Travel grant for poster presentation of research paper titled “Detoxification of | Istanbul, Turkey | 28-30 April 2014 |



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| | | Genetics | selenite to elemental selenium by exopolysaccharide producing desert isolates” | | |
| 43. | Dr. Nousheen Zahra Zaidi Assistant Professor | Department of Microbiology & Molecular Genetics | Travel grant for poster presentation of research paper titled “Low-Lipid Environment May Affect Reliance of Cancer Cells on De Novo Lipid Synthesis Pathways” | Paris, France | 04-06 February 2014 |
| 44. | Dr. Nighat G. Ansari Assistant professor | Institute of Administrative Sciences | Travel grant for oral presentation of research paper titled “Respectable Femininity: A significant panel of glass ceiling for career women” | Keele University, UK | 24-26 June, 2014 |
| 45. | Dr. Syed Amer Mahmood Assistant Professor | Department of Space Science | Travel grant for oral presentation of research paper titled “Remote Sensing and Gis Based Analysis of Neotectonics In Hazara Kashmir Region, Northern Pakistan” | Hanoi, Vietnam | 09-11 December, 2013 |
| 46. | Engr. Aneela Sabir Lecturer | Department of Polymer Engineering & Technology | Travel grant for oral presentation of research paper titled “Influence of Polyethylene Glycol 600 on Cellulose Acetate Membranes for Reverse Osmosis Desalination Process” | Kuala Lumpur, Malaysia | 14-15 May, 2014 |
| 47. | Prof. Dr. Muhammad Naeem Khan | Department of Zoology | Travel grant for poster presentation of research paper titled “Restoration of sustainable artisanal fisheries through community based conversation of mangrove forests along the Sindh Coast, Arabian Sea, north Indian Ocean, Pakistan” | Mazatlan, Mexico | 07-11 April, 2014 |
| 48. | Prof. Dr. Umbreen | Department | Travel grant for oral | Dehli, | 06-08 |



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|-----|--|---|---|--|---------------------------------|
| | Javaid Chairperson | of Political Science | presentation of research paper titled "Peace Building in South Asia: Limitations and Prospects" | India | February, 2014 |
| 49. | Dr. Muhammad Shahid Farooq Assistant Professor | Institute of Education & Research | Travel grant for oral presentation of research paper titled "e-Learning: Incultation Values and Ethics in Higher Education Learners" | Jeddah, United Kingdom of Saudi Arabia | 24 th February, 2014 |
| 50. | Dr. Adnan Mujahid Assistant Professor | Institute of Chemistry | Travel grant for poster presentation of research paper titled "Synthesis of Ion Imprinted Silanes and their sensing properties" | Sanfrancisco, California, USA | 21-25 April, 2014 |
| 51. | Dr. Zaigham Abbas Assistant Professor | Department of Microbiology and Molecular Genetics | Travel grant for poster presentation of research paper titled "Development of device based on nano-gold particles to detect NS 1: an early diagnostic marker of Dengue virus infection" | Dubai, UAE | 10-12 February, 2014 |
| 52. | Dr. Muhammad Akram Scientific Officer (On Adhoc Basis) | Department of Botany | Travel grant for oral presentation of research paper titled "High Frequency in vitro Morphogenesis of Groundcherry Physalis minima L.) by Thidiazuron in a liquid Culture System: a Threatened Medicinal Plant" | Queensland, Australia | 17-22 August, 2014 |
| 53. | Dr. Muhammad Ashfaq Assistant Professor | Institute of Agricultural Sciences | Travel grant for poster presentation of research paper titled "Genetic variability analysis of diverse rice germplasm lines under stress condition" | Ciudad Obregon, Mexico | 22-28 March, 2014 |
| 54. | Mr. Tahir Mehmood Assistant Professor | Institute of Education and Research | Travel grant for oral presentation of research paper titled "Community | Jeddah, Saudi Arabia | 24 th February, 2014 |



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|-----|---|--|---|-----------------------|---------------------------|
| | | | Development through Open Learning and Distance Education” | | |
| 55. | Syeda Adila Batool Assistant Professor | Department of Space Science | Travel grant for oral presentation of research paper titled “A Study to Evaluate the Attitude of Households towards Recovery of Recyclables in Lahore, Pakistan” | Philadelphia, PA. USA | 30 March --02 April, 2014 |
| 56. | Dr. Muhammad Shafiq Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Molecular characterization of tomato leaf curl palampur virus infecting Cucurbita pepo in Pakistan” | Vienna, Austria | 17-19 April, 2014 |
| 57. | Dr. Muahmmad Shafiq Assistant Professor | Institute of Quality & Technology Management | Travel grant for oral presentation of research paper titled “Preception of Managers about the Relationship of ISO 9000 Certification with the implementation of TQM Practices and Organizational Performance” | Dubai, UAE | 03-05 March, 2014 |
| 58. | Ch. Abdul Khaliq Assistant Professor | Hailey College of Commerce | Travel grant for oral presentation of research paper titled “Role of social capital and knowledge management in the performance of SMEs: An empirical investigation in the context of Pakistan” | Istanbul, Turkey | 18-19 June, 2014 |
| 59. | Mr. Salman Tariq Lecturer (On Contract) | Department of Space Science | Travel grant for oral presentation of research paper titled “Variability of Aerosol Properties and HYSPLIT Model Estimates for Aerosol Transport Pathways over Lahore” | Beijing, China | 07-10 April, 2014 |



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|-----|--|--|---|------------------------|-----------------------------|
| 60. | Ms. Mariam Altaf Tarar Lecturer | Institute of Quality & Technology Management | Travel grant for oral presentation of research paper titled "Reliability Centered Maintenance Case Study" | Dubai, UAE | 21-22 March, 2014 |
| 61. | Prof. Dr. Muhammad Kamran Chairman | Department of Urdu | Travel grant for oral presentation of research paper titled "The Role of Internet in the Teaching and Promotion of Imagination in Pakistani Literature" | Vancouver, Canada | 02-04 July, 2014 |
| 62. | Prof. Dr. M. Saleem Haider Director | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled "Characterization of cotton leafhopper Wolbachia Endosymbiont from Pakistan" | Paris, France | 31 March - - 03 April, 2014 |
| 63. | Prof. Dr. Muhammad Makshoof Athar Director | Institute of Chemistry | Travel grant for poster presentation of research paper titled "Natural and Treated Dalbergia Sissoo: An Efficient Biosorbent for the Removal of Acid Blue Water 25 Dyes from Waters" | Kuala Lumpur, Malaysia | 12-13 May, 2014 |
| 64. | Prof. Dr. Javed Iqbal Qazi | Department of Zoology | Travel grant for oral presentation of research paper titled "Fatty acid profiles of freshwater Catla Catla fish harvested from upstream and downstream locations of river Ravi, Pakistan" | Nottingham, UK | 29-30 April, 2014 |
| 65. | Dr. Hamid Ashraf Hamdani Associate Professor | Department of Arabic | Travel grant for oral presentation of research paper titled "Al-Mubarrad-Al-Azdi and his Rhetorical Contributions" | Amman, Jordan | 15-16 April, 2014 |



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|-----|--|---|---|----------------------|------------------------|
| 66. | Mrs. Farha Naz Naqvi Assistant Professor Incharge Principal | Hailey College of Banking & Finance | Travel grant for poster presentation of research paper titled "Impact of Mergers and Acquisitions on Financial Performance of Banks in Pakistan" | Barcelona, Spain | 16-19 June, 2014 |
| 67. | Dr. Uzma Bashir Assistant Professor | Institute of Agricultural Sciences | Travel grant for poster presentation of research paper titled "Control of phytopathogenic bacteria by the use of plant extracts of Solanum nigrum L" | Pengang, Malaysia | 27-29 May, 2014 |
| 68. | Dr. Naureen Akhtar Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled "Studies of residue proximity in the NrtA transporter by thiol cross-linking technique" | Pengang, Malaysia | 27-29 May, 2014 |
| 69. | Malik Faiz Hussain Ferdosi Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled "Effect of foliar application of micronutrients (Zn & B) on fruit quality characters of mango" | New York, USA | 26-28 March, 2014 |
| 70. | Dr. Iram Fatima Assistant Professor | Institute of Applied Psychology | Travel grant for oral presentation of research paper titled "Indigenous sources of academic stress in intermediate science students" | Singapore | 07-08 May, 2014 |
| 71. | Dr. Hafiz Abdul Qadeer Assistant Professor | Department of Arabic | Travel grant for oral presentation of research paper titled "The contribution of Oriental College, University of the Punjab, in the Dissemination of Arabic language" | Amman, Jordan | 22-24 April, 2014 |
| 72. | Dr. Mehboob Hussain Assistant Professor | Department of History & Pakistan Studies | Travel grant for oral presentation of research paper titled "Parliament and | Lake District, UK | 09-11 May, 2014 |



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|-----|---|--|---|------------------------|-------------------|
| | | | Bureaucracy: Influence of Institutions in Pakistan (1971-77)” | | |
| 73. | Mr. Ahmed Muneeb Mehta Lecturer | Hailey College of Banking & Finance | Travel grant for poster presentation of research paper titled “Impact of Non-Monetary Benefits on Employee Enthusiasm and Business Growth: A Study of the Insurance Sector of Pakistan” | Barcelona, Spain | 16-19 June, 2014 |
| 74. | Mrs. Shamaila Gull Lecturer | Institute of Business & Information Technology | Travel grant for oral presentation of research paper titled “Relationship between Organizational Justice and Workplace Deviant Behavior: A Study on Banking Sector Employees of Lahore, Pakistan” | Istanbul, Turkey | 17-18 April, 2014 |
| 75. | Ms. Bushra Siddiqui Lecturer (Contract) | Hailey College of Commerce | Travel grant for poster presentation of research paper titled “Language of Religious and Secular text: A Comparative study” | Osaka, Japan | 03-06 April, 2014 |
| 76. | Mr. Muhammad Haris Khan Lecturer (Contract) | Hailey College of Commerce | Travel grant for poster presentation of research paper titled “Contribution of Human Resource in Economy: Perspective of Islam” | Dubai, UAE | 04-05 April, 2014 |
| 77. | Mr. Hassam Muazzam Lecturer (Contract) | College of Engineering and Emerging Technologies | Travel grant for poster presentation of research paper titled “Design and Comparison of Observer Based Pole placement and LQR Controllers for DC Motor Position Control” | Shanghai, China | 09-10 May, 2014 |
| 78. | Hafiz Muhammad Hamid Raza Lecturer | Institute of Chemistry | Travel grant for poster presentation of research paper titled “Luscious Lips adorned with Heavy Metals Consumed in Lipsticks and Lip-glosses” | Kuala Lumpur, Malaysia | 12-13 May, 2014 |



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| 79. | Mrs. Farrukh Munir Lecturer | Institute of Education and Research | Travel grant for oral presentation of research paper titled "Impact of Knowledge Management process on Organizational Memory (A study on the Cellular MNCs Operating in Lahore, Pakistan" | Oxford, UK | 04-05 August, 2014 |
| 80. | Prof. Dr. Malik Zawar Hussain | Department of Mathematics | Travel grant for oral presentation of research paper titled "Two Methods of Object designing by Rational Splines" | Paris, France | 15-18 July, 2014 |
| 81. | Prof. Dr. Sajid Rashid Ahmad | Institute of Geology | Travel grant for poster presentation of research paper titled "Heavy Metels in Urban Soil of Lahore City, Punjab, Pakistan" | Toronto, Canada | 12-15 June, 2014 |
| 82. | Dr. Muhammad Rashid Usman Associate Professor | Institute of Chemical Engineering & Technology | Travel grant for oral presentation of research paper titled "Dehydrogenation of Methylcyclohexane and Methylcyclohexadiene over 1.0 wt%pt/ γ -Al ₂ O ₃ " | Bangkok, Thailand | 09-11 June, 2014 |
| 83. | Dr. Afsheen Masood Assistant Professor | Institute of Applied Psychology | Travel grant for oral presentation of research paper titled "Parental Stress, Self-esteem and Personal Welling in parents of Children with Intellectual Disability" | Singapore | 14-15 May, 2014 |
| 84. | Dr. Hamid Saeed Assistant professor | University College of Pharmacy | Travel grant for poster presentation of research paper titled "Telomerase Promotes Osteoblast Differentiation by Modulating IGF-signaling Pathway" | Prague, Czech Republic | 17-20 May, 2014 |
| 85. | Mr. Iftikhar Ahmad Assistant Professor | Hailey College of Banking & | Travel grant for oral presentation of research paper titled | Barcelona, Spain | 16-19 June, 2014 |



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| | | Finance | “Financial Determinants of Corporate Cash Holdings in Pakistan: A Comparative Analysis of the Selected Industries listed on Karachi Stock Exchange” | | |
| 86. | Dr. Muhammad Ali Assistant Professor | Institute of Agricultural Sciences | Travel grant for poster presentation of research paper titled To study the effectiveness of various bio-pesticides to manage the Aphis spp. (Hemiptera: Aphididae) on the wheat (<i>Triticum aestivum</i> L.) crop in Punjab, Pakistan” | Berlin, Germany | 01-04 July, 2014 |
| 87. | Dr. Muhammad Ashfaq Assistant Professor | Institute of Agricultural Sciences | Travel grant for poster presentation of research paper titled “Screening of rice genotypes under stress condition on the basis of SSR markers and root seedling traits” | Berlin, Germany | 01-04 July, 2014 |
| 88. | Ms. Elisabetta Lob Assistant Professor (On contract) | Department of Gender Studies | Travel grant for oral presentation of research paper titled “The long shadow: elaborating ideas of marginality, politics and religion in post-independent every day Pakistani Punjab, 1947-1958” | Toronto, Canada. | 29-30 May, 2014 |
| 89. | Dr. Shafiq ur Rehman Assistant Professor | Department of Microbiology and Molecular Genetics | Travel grant for poster presentation of research paper titled “Isolation and Characterization of bacteriophages against pseudomonas aeruginosa, Klebsiella pneumoniae and Enterobacter cloacae” | ETH Zurich | 14-18 July, 2014 |
| 90. | Ms. Tahira Mubashir Lecturer | Institute of Applied Psychology | Travel grant for oral presentation of research paper titled “Anger, Emotional | Singapore. | 14-15 May, 2014 |



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| | | | Distress and Suicidal Ideation in University Students with Mild Psychological Problems” | | |
| 91. | Mr. Zargham Ullah Khan Lecturer | Hailey College of Banking and Finance | Travel grant for poster presentation of research paper titled “A study to investigate the impact of ethical leadership and organization commitment on employees turnover” | Prague, Czech Republic | 10-13 June, 2014 |
| 92. | Pro. Dr. Faheem aftar | Department of Botany | Travel grant for poster presentation of research paper titled “Prospects of mass scale propagation of economically important pinus species of Pakistan” | Queensland, Australia | 17-22 August, 2014 |
| 93. | Prof. Dr. Iram Khalid | Department of Political Science | Travel grant for oral presentation of research paper titled “Militancy and counter Militancy measures: Impact on Pakistan’s Foreign Policy” | Melbourne, Australia | 09-11 July, 2014 |
| 94. | Prof. Dr. Khalid Hussain | University College of Pharmacy | Travel grant for poster presentation of research paper titled “Isolation of Markers from Roots of Daucuscarota (Black Carrots) to standardized Kanji” | Mississippi, USA | 02-06 August, 2014 |
| 95. | Prof. Dr. Farah Malik | Institute of Applied Psychology | Travel grant for poster presentation of three research papers titled :- 1. “ Child abuse scale: revision, validation and norms development” 2. “ Self-efficacy as mediator for spiritual well-being and treatment motivation of drug addicts” 3. “Development and validation of a | Innsbruck, Austria | 26-30 August, 2014 |



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| | | | resilience against terrorism scale (RATS)” | | |
| 96. | Dr. Nazia Jamil Assistant professor | Department of Microbiology and Molecular Genetics | Travel grant for poster presentation of research paper titled “Bio plastic production and molecular characterization of indigenous bacteria using mustard oil” | Colombo, Sir Lanka | 17-18 June, 2014 |
| 97. | Dr. Rida Batool Assistant Professor | Department of Microbiology and Molecular Genetics | Travel grant for poster presentation of research paper titled “Rice Husk in Combination of Bacteria: an Effective Combination for the Removal of Cr (VI)” | Colombo, Sir Lanka | 17-18 June, 2014 |
| 98. | Dr. Uzma Bashir Assistant Professor | Institute of Agricultural Sciences | Travel grant for poster presentation of research paper titled “Evaluation of fungitoxic effects of Ageratum conyzoides Linn” | Prague, Czech Republic | 10-11 July, 2014 |
| 99. | Dr. Shafiq ur Rehman Assistant Professor | Department of Library & Information Science | Travel grant for oral presentation of research paper titled “Users’ Perception about the Pakistan Research Repository (PRR)” | Istanbul, Turkey | 27-30 May, 2014 |
| 100. | Dr. Muhammad Khalid Khan Assistant Professor | Hailey College of Commerce | Travel grant for oral presentation of research paper titled “Quality of education in higher educational institutions: A comparative study of perceptions and expectations of business students” | Izmir, Turkey | 03-05 July, 2014 |
| 101. | Mr. Rizwan Qaiser Danish Assistant Professor | Hailey College of Commerce | Travel grant for oral presentation of research paper titled “Association of Affective Commitment with Organizational Citizenship Behaviour | Izmir, Turkey | 03-05 July, 2014 |



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| | | | and Task Performance of Employees in Banking Sector” | | |
| 102. | Dr. Shahbaz Ahmad Assistant Professor | Institute of Agricultural Sciences | Travel grant for oral presentation of research paper titled “Impact Assessment of climate factors on the population of Chiloinfuscatellus (Pyralidae, Lepidoptera) in Pakistan” | Washington, USA | 24-28 August, 2014 |
| 103. | Ms. Sonia Omer Assistant Professor | Department of Social Work | Travel grant for oral presentation of research paper titled “The significance of women’s economic empowerment and its impact on socio-economic development: a case study of central Punjab, Pakistan” | Keele University, UK | 24-26 June, 2014 |
| 104. | Dr. Kamran Abid Assistant Professor | Department of Electrical Engineering | Travel grant for poster presentation of research paper titled “Split-Gate Silicon Field-Effect Sensors for Color-Sensing Applications” | Sheffield, UK | 09-10 July, 2014 |
| 105. | Dr. Muhammad Azhar Naem Assistant Professor | Department of Electrical Engineering | Travel grant for poster presentation of research paper titled “Monolithically integrated polarization mode convertors with semiconductor lasers” | Montreal Quebec, Canada | 14-16 July, 2014 |
| 106. | Dr. Nashi Khan Assistant Professor | Centre for Clinical Psychology | Travel grant for poster presentation of two research papers titled :- 1. “ Psychosocial Factors and Common Mental Disorder in Men with Erectile Dysfunction” 2. “ Perceived Stigmatization in Patients with Depression in Pakistan” | Innsbruck, Austria | 26-30 August, 2014 |
| 107. | Dr. Sania Zahra Malik Assistant Professor | Institute of Business Administration | Travel grant for oral presentation of research paper titled “Do virtuous organizations | Waterfront, Northern Ireland | 09-11 September, 2014 |



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| | | | make employees go beyond the call of duty? Exploring the relationship of organizational virtuousness and organizational citizenship behavior ” | | |
| 108. | Dr. Ejaz Ahmed Assistant Professor | Institute of Chemistry | Travel grant for poster presentation of research paper titled “Lipoxygenase inhibiting new triterpenesaponin from Fagoniacretica” | Resort City, Hong Kong | 03-04 October, 2014 |
| 109. | Dr.Ahsan Sharif Assistant Professor | Institute of Chemistry | Travel grant for poster presentation of research paper titled “Spinolol, a new Steroidal from Capparissinosa” | Resort City, Hong Kong | 03-04 October, 2014 |
| 110. | Mr. Ahmed Ali Naqvi Lecturer | Department of Political Science | Travel grant for oral presentation of research paper titled “Human Security: A counter-narrative to Religious Extremism in Pakistan ” | Melbourne, Australia | 09-11 July, 2014 |
| 111. | Mrs. Fatima Noreen Lecturer | Centre for Undergraduate Studies | Travel grant for oral presentation of research paper titled “Said Nursi’s Proposal for Educational Reforms in comparison with the existing Education system in Pakistan ” | Istanbul, Turkey | 14-16 June, 2014 |
| 112. | Prof. Dr. Shahid Ghazi Director | Institute of Geology | Travel grant for oral presentation of research paper titled “Sedimentary Facies and Depositional Environment of the Lower Eocene Shallow Shelf Carbonate Deposit, the Sakesar Limestone, Salt Range, Pakistan” | Singapore | 22-23 September, 2014 |
| 113. | Prof. Dr. Abid Hussain Ch. Chairman | Department of Secondary Education Institute of Education & Research | Travel grant for oral presentation of research paper titled “The Contribution of Parents in Development of their Young Children with | Philadelphia, USA | 11-14 August, 2014 |



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| | | | Deafness Enrolled in Government Deaf & Defective Hearing Schools in the Punjab Province of Pakistan” | | |
| 114. | Prof.Dr. M. Saleem Haider Director | Institute of Agricultural Sciences | travel grant for poster presentation of research paper titled “Are we heading towards the third epidemic in cotton: Past, present and future consequences? OR Cotton serving as a melting pot of geminiviruses” | Montreal, Canada | 27 July To 01 August, 2014 |
| 115. | Prof. Dr. Muhammad Naeem Khan | Department of Zoology | travel grant for oral presentation of research paper titled “ Prospects of cage culture of Asian seabass (Lates calcarifer) along the Arabian Sea coast of Baluchistan, Pakistan” | Adelaide, Australia | 07-11 June, 2014 |
| 116. | Prof. Dr. Muhammad Akhtar Chairman | Department of Zoology | travel grant for oral presentation of research paper titled “Deinotherium (Proboscidea, Mammalia) from the Lava Middle Miocene of Lower Siwaliks, Pakistan” | Argentina | 28 September to 03 October, 2014 |
| 117. | Dr. Abdul Majid Khan Assistant Professor | Department of Zoology | travel grant for oral presentation of research paper titled “An Account of the Upper Siwalik Rhinocerotids of Pakistan” | Argentina | 28 September to 03 October, 2014 |
| 118. | Dr. Muhammad Akbar Khan Assistant Professor | Department of Zoology | travel grant for oral presentation of research paper titled “The Late Miocene Bovids (Bovidae, Mammalia) from Dhok Pathan Formation of Siwaliks, Northern Pakistan” | Argentina | 28 September to 03 October, 2014 |
| 119. | Dr. Pervez Khalid Assistant Professor | Institute of Geology | travel grant for oral presentation of research paper titled | Singapore | 22-23 September, 2014 |



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| | | | “Assessment of Seismic Hazards of the Kalam-Ashrit Dam, Swat, Pakistan” | | |
| 120. | Dr. Aqil Inam Assistant Professor | Department Metallurgy and Materials Engineering | titled “Heterogeneous Nucleation of Graphite Nodules Formed in Medium Carbon Steel after a Graphitising Anneal” | Pittsburgh, PA, USA | 12-16 October, 2014 |
| 121. | Dr. Mahboob Hussain Assistant Professor | Department of History | travel grant for oral presentation of research paper titled “Internal Conflict in Pakistan: A Study of Balochistan and Parliament” | Brighton, East Sussex, United Kingdom | 17-20 July, 2014 |
| 122. | Malik Fiaz Hussain Ferdosi Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Effect of foliar application of micronutrients (Zn & B) on vegetative and reproductive growth of mango (Mangifera indica L.) var. Langra ” | Florida, USA | 28-31 July, 2014 |
| 123. | Dr. Hafiz M Rafique Assistant Professor | Department of Physics | travel grant for poster presentation of research paper titled “Graphene doped Zn _{0.5} Co _{0.5} Ni _{0.5} Fe ₂ O ₄ : electrical, magnetic and thermal execution” | Madrid, Spain | 07-11 September, 2014 |
| 124. | Dr. Muhammad Azhar Naem Assistant Professor | Department of Electrical Engineering | travel grant for oral presentation of research paper titled “Monolithically integrated single and dual polarization mode convertors with semiconductor lasers” | Sheffield, UK | 09-10 July, 2014 |
| 125. | Dr. M. Aamir Hashmi Assistant Professor | Institute of Education and Research | travel grant for oral presentation of research paper titled “Information Needs and Seeking Behavior of Distance learning University Students of Pakistan ” | Rize, Turkey | 26-28 August, 2014 |
| 126. | Dr. Mehboob Ahmed Assistant Professor | Department of | travel grant for poster presentation of research | Netherlands | 07-11 September, |



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| | | Microbiology and Molecular Genetics | paper titled "Cyanobacteria in Agro-Biotechnology: A Glimpse on Some Mechanisms and Prospectives" | | 2014 |
| 127. | Mr. Muhammad Nasir Subhani Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled "Field evaluation of antifungal effect of crude botanical extracts on Phytophthora infestans (Mont.) de Bary for sustainable development of agriculture" | Toronto, Ontario, Canada | 07-08 August, 2014 |
| 128. | Dr. Tahir Ahmed Assistant Professor | Department of Metallurgy and Materials Engineering | travel grant for oral presentation of research paper titled "Studying in the Effect of Precipitation Hardening on 6061 Aluminum Alloy Weldments " | Kuala Lumpur, Malaysia | 04-05 September, 2014 |
| 129. | Mr. Amjad Hussain Assistant Professor | University College of Pharmacy | titled "Study of Changes in Crystallinity of Ball Milled Mefenamic Acid using Terahertz Pulsed Spectroscopy" | Hertfordshire , Hatfield, UK | 08-10 September, 2014 |
| 130. | Mr. Ishfaq Ahmed Assistant Professor | Hailey College of Commerce | travel grant oral presentation of research paper titled "Teachers' role in nurturing creativity: evidence from knowledge creation institutions " | Singapore | 06-08 August, 2014 |
| 131. | Dr. Sajid Ali Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled "Herbicides Affect the Chlorophyll Contents in Artichoke Leaves (Cynara cardunculus L.)" | California, USA | 02-05 November, 2014 |
| 132. | Dr. Rukhsana Anwar Assistant Professor | University College of Pharmacy | travel grant for poster presentation of research paper titled "In Vitro, In Vivo Assessment of Mitragynine on Phase II Drug Metabolizing | Kuala Lumpur, Malaysia | 22-24 August, 2014 |



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| | | | Enzyme-Glutathione S-Transferase (GSTs) activity” | | |
| 133. | Mr. Kashif Mairaj Deen Assistant Professor | College of Engineering and Emerging Technology | travel grant for oral presentation of research paper titled “Investigating Electrochemical Behavior of Nitrogen Ion Implanted Commercially Pure Titanium in Simulated Body Fluid” | Pittsburgh, PA, USA | 12-16 October, 2014 |
| 134. | Ms. Qurratul-ain Farooq Lecturer | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Characterization of Warm season Turf-grasses Against Drought” | Florida, USA | 28-31 July, 2014 |
| 135. | Ms. Omama Tariq Lecturer | Institute of Applied Psychology | travel grant oral presentation of research paper titled “General perception of diabetes, social support and outcome expectancies related to adherence among people with type 2” | Innsbruck, Austria | 26-30 August, 2014 |
| 136. | Mr. Touseef Ahmed Lecturer (Contract) | Hailey College of Commerce | travel grant for poster presentation of research paper titled “Impact of Capital Structure on Profitability: An Empirical Analysis of Cement Sector of Pakistan” | Kuala Terengganu, Malaysia | 26-28 August, 2014 |
| 137. | Mr. Muhammad Aamir Lecturer | Hailey College of Commerce | travel grant oral presentation of research paper titled “Knowledge Sharing: The Influence of Organizational Citizenship Behavior” | Singapore | 25-26 August, 2014 |
| 138. | Mr. Muhammad Khyzer Bin Dost Lecturer (Adhoc) | Hailey College of Commerce | titled “Evaluation of Technical and Structural Factors in the Implementation of Knowledge Management (KM) (Case study of Punjab University)” | Istanbul, Turkey | 01-03 September, 2014 |



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| 139. | Mr. Ahmed Muneeb Mehta Lecturer | Hailey College of Banking & Finance | titled "A Review and Research Agenda; Impact of Human resource Practices on Job Satisfaction of Employees in Foreign and Local Banks of Pakistan" | Kuala Lumpur Malaysia | 15-17 August, 2014 |
| 140. | Prof. Dr. Muhammad Kamran Chairman | Department of Urdu | travel grant for oral presentation of research paper titled "Role of Internet in the Teaching and Exploring of Contemporary Pakistani Literature in 21 st Century" | Oxford, United Kingdom | 11-13 September, 2014 |
| 141. | Prof. Dr. Muhammad Iqbal Chawla Chairman | Department of History & Pakistan Studies | travel grant for oral presentation of research paper titled "Lord Mountbatten and Balochistan: An Appraisal" | USA | 11-14 September, 2014 |
| 142. | Prof. Dr. Shahid Kamal Principal | College of Statistical And Actuarial Sciences | travel grant for oral presentation of research paper titled "Multilevel Structural Models of Quality of Life of Breast Cancer Survivors" | Boston, USA | 02-07 August, 2014 |
| 143. | Prof. Dr. Rukhsana Kausar Director | Institute of Applied Psychology | travel grant for poster presentation of research paper titled "Protective Factors, Drug Use and Depression in Young Drug Users" | Innsbruck, Austria | 26-30 August, 2014 |
| 144. | Prof. Dr. Mumtaz Akhter Director | Institute of Education & Research | travel grant for oral presentation of research paper titled "Effect of Metacognition awareness on performance in presentation of prospective teachers" | Istanbul, Turkey | 08-10 September, 2014 |
| 145. | Prof. Dr. Nasira Jabeen Director | Institute of Administrative Sciences | travel grant for oral presentation of research paper titled "Gender Equity and Governance in Pakistan: An Organizational Justice perspective" | Rize, Turkey | 26-28 August, 2014 |



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| 146. | Prof. Dr. Javed Iqbal Qazi | Department of Zoology | travel grant for oral presentation of research paper titled "Scientific perspicacity must not ignore suitable developing countries for production of economically viable second and third generations biofuels" | Scotland, UK | 9-21 August, 2014 |
| 147. | Dr. Amir Shafeeq Associate Professor | Institute of Chemical Engineering & Technology | travel grant for oral presentation of research paper titled "Effect of acid concentration on the extraction of furfural from corn cobs" | Istanbul, Turkey | 22-23 December, 2014 |
| 148. | Dr. Hafiz Muhammad Anwaar Asghar Assistant Professor | Institute of Chemical Engineering & Technology | travel grant for oral presentation of research paper titled "Electrochemical Oxidation of Methylene Blue in Aqueous Solution" | Istanbul, Turkey | 22-23 December, 2014 |
| 149. | Dr. Syed Nadir Hussain Assistant Professor | Institute of Chemical Engineering & Technology | travel grant for oral presentation of research paper titled "Electrochemical regeneration of GIC adsorbent in a continuous electrochemical reactor" | Istanbul, Turkey | 22-23 December, 2014 |
| 150. | Rana Eijaz Ahmad Assistant Professor | Department of Political Science | travel grant for oral presentation of research paper titled "Disintegration is a Windfall or Downfall: A case of Pakistan" | USA | 11-14 September, 2014 |
| 151. | Dr. Abida Eijaz Assistant Professor | Institute of Communication Studies | travel grant for oral presentation of research paper titled "Israel through the Lenses of Oscarnominated Documentary Film Promises" | Rhode Island, USA | 18-21 September, 2014 |
| 152. | Dr. Naeem Sattar Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled "Consequences of identification of | Brisbane, Australia | 13-15 August, 2014 |



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| | | | begomoviruses from imported tomato fruits on European markets” | | |
| 153. | Dr. Naveed Ahsan Assistant Professor | Institute of Geology | travel grant for poster presentation of research paper titled “Late Stage Diagenetic Alterations in Turonian-Mastrichtian Kawagar Formation, Hazara Basin (NW Lesser Himalayas, Pakistan): Based on Petrographic, Geochemical and Stable Isotopic Information” | Geneva, Switzerland | 18-22 August, 2014 |
| 154. | Mrs. Farzana Majid Assistant Professor | Department of Physics | travel grant for oral presentation of research paper titled “Phase Purify and Ferromagnetic Behavior of Bismuth Iron Oxide Nanoparticles” | BEXCO, Busan, South Korea | 24-27 August, 2014 |
| 155. | Dr. Nosheen Fatima Warraich Assistant Professor | Department of Library & Information Science | travel grant for oral presentation of research paper titled “In Search of New Horizons: Agenda of LIS Schools in a Developing Country” | Lyon, France | 16-22 August, 2014 |
| 156. | Dr. Muhammad Faisal Assistant Professor | Department of Microbiology & Molecular Genetics | travel grant for poster presentation of research paper titled “Estimation of Toxic Hexavalent Chromium Reduction Potential of Bacillus Pumilis. Cellulosimicrobium cellulans and Exigubacterium ” | Paris, France | 15-16 September, 2014 |
| 157. | Dr. Muhammad Ali Assistant Professor | Institute of Agricultural Sciences | travel grant for poster presentation of research paper titled “The role of abiotic factors for the fluctuation of Jassid (Amrasca biguttula biguttula) (Ishida) Population on Aubergine (Solanum melongena L.)” | Cenberra, ACT, Australia | 29 th September to 1 st October 2014 |
| 158. | Dr. Rashid Mahmood Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Influence | Dubai, UAE | 15-16 October, 2014 |



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| | | | of acetylene and ethylene release from calcium carbide formulation on soil nitrification, growth, yield and nitrogen economy of wheat” | | |
| 159. | Dr. Shazia Shafique Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Biological control potential of Parthenium hysterophorus against Fusarium solani-a cause of fusarium wilt in potato” | Bali, Indonesia | 26-28 August, 2014 |
| 160. | Dr. Sobiya Shafique Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Tagetes erectus-a tool for the management of Alternaria alternata strains of tomato” | Bali, Indonesia | 26-28 August, 2014 |
| 161. | Dr. Tehmina Anjum Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Cellular defense induction in tomato by Bacillus strains against Fusarium wilt” | Bali, Indonesia | 26-28 August, 2014 |
| 162. | Dr. Amna Shoaib Assistant Professor | Institute of Agricultural Sciences | travel grant for oral presentation of research paper titled “Identification and characterization of aflatoxigenic and non-aflatoxigenic strains of Aspergillus section Flavi: Anasty pathogen” | Singapore | 15-17 August, 2014 |
| 163. | Dr. Sameen Masood Assistant Professor | Institute of Social & Cultural Studies | travel grant for oral presentation of research paper titled “An empirical investigation of the policies and practices of news media and public perceptions regarding the influence of news media in Pakistan” | Dubai, UAE | 23-24 August, 2014 |
| 164. | Dr. Muhammad Rashid | Institute of | travel grant for oral | Bangkok, | 07-10 |



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| | Usman Associate Professor | Chemical Engineering & Technology | presentation of research paper titled "Kinetics of n-Heptane Hydroisomerization over Pt/zeolite Catalysts" | Thailand | September, 2014 |
| 165. | Dr. Fakhra Shamim Assistant Professor | Institute of Agricultural Sciences | travel grant for poster presentation of research paper titled "Phytosynthetic and antioxidant enzyme capacities as potential indicator of water stress in some tolerant and sensitive tomato genotypes" | Norwich, UK | 29-30 July, 2014 |
| 166. | Mrs. Mubashira Khatoon Assistant Professor | Institute of Education and Research | travel grant for oral presentation of research paper titled "Teaching as Future Profession- Explore Undergraduate Business Students Attitudes Toward Teaching Profession" | Istanbul, Turkey | 08-10 September, 2014 |
| 167. | Dr. Aroona Hashmi Assistant Professor | Institute of Education and Research | travel grant for oral presentation of research paper titled "Parental Encouragement in Schooling of Pakistani Children and Its Impact on their Achievement at Elementary Level" | Istanbul, Turkey | 08-10 September, 2014 |
| 168. | Syeda Hina Batool Assistant Professor | Deptt. of Inf. ngt. Deptt. of Lib. & Inf. Sci. | travel grant for oral presentation of research paper titled "Early findings from a study of information literacy practices in primary schools of Pakistan" | Dubrovnik, Croatia | 20-23 October, 2014 |
| 169. | Hafiz Zafar Ahmed Assistant Professor | Hailey College of Commerce | travel grant for oral presentation of research paper titled "Impact of Balanced Scorecard on Financial Performance: A Comparative Study of an American, Japanese and an Indian Manufacturing Concern" | Honolulu, Hawaii, USA | 10-13 January, 2015 |
| 170. | Ms. Shazia Khalid | Institute of | travel grant for oral | Istanbul, | 21-22 |



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| | Assistant Professor | Applied Psychology | presentation of research paper titled "Relationship between Self Esteem of Workers and Perceived Attitude towards their Mangers" | Turkey | September, 2014 |
| 171. | Dr. Iram Fatima Assistant Professor | Institute of Applied Psychology | travel grant for oral presentation of research paper titled "Role of Work Experience in Present organization and Personality in Conflict Management Styles at work place" | Istanbul, Turkey | 21-22 September, 2014 |
| 172. | Dr. Bushra H.Rehman Assistant Professor | Institute of Communication Studies | travel grant for oral presentation of research paper titled "Analyzing Role of Religious Values in Commercial Media: Comparing Perspectives of Media Students, Teachers and Practitioners in Religious Sensibilities" | Florida, USA | 21-23 August, 2014 |
| 173. | Ms. Shahnila Tariq Lecturer (On contract) | Institute of Applied Psychology | travel grant for oral presentation of research paper titled "Perceived Organizational Justice, Perceived Organizational Support, and Employee Engagement in Rescue 1122 Employees" | Istanbul, Turkey | 21-22 September, 2014 |
| 174. | Ms. Alia Arshad Lecturer | Department of Information Management Department of Library & Information Science | travel grant for oral presentation of research paper titled "Academics Use of Scholarly E-Journals: A Case of University of the Punjab" | Dubrovnik, Croatia | 20-23 October, 2014 |
| 175. | Ms. Sadeeqa Riaz Khan Lecturer | Punjab University College of Information Technology | travel grant for oral presentation of research paper titled "A Success Evaluation Model for Campus Management Solution (CMS) Systems" | Rize, Turkey | 26-28 August, 2014 |
| 176. | Ms. Zill-e-Huma Lecturer | Institute of Agricultural Sciences | travel grant for poster presentation of research paper titled | Montreal, Canada | 27 th July to 1 st August 2014 |



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| | | | “Optimization of growth conditions for biosynthesis of Laccase enzyme by <i>Coriolus versicolor</i> ” | | |
| 177. | Mr. Salman Naseer Lecturer | Department of Information Technology (Gujranwala Campus) | travel grant for oral presentation of research paper titled “Intrusion Techniques in Mobile Adhoc Networks: A review” | Geneva, Switzerland | 08-09 October, 2014 |
| 178. | Ms. Bushra Siddiqui Lecturer (Ad-Hoc) | Hailey College of Commerce | travel grant for poster presentation of research paper titled “Morphosyntactic Elements of Elizabethan and Modern English: A Comparative Study” | Rhode Island, USA | 18-21 September, 2014 |
| 179. | Mr. Muhammad Sanaullah Lecturer | Institute of Geology | travel grant for poster presentation of research paper titled “Relative Impact of Landuse Intensity on Water Quality Degradation in the Northern Districts of KPK, Pakistan” | Singapore | 22-23 September, 2014 |
| 180. | Dr. Nageen Hussain Assistant Professor | Department of Microbiology and Molecular Genetics | travel grant for poster presentation of research paper titled “DNase I Gene and Diabetes: A Family Based Study” | Dubai, UAE | 14-17 September, 2014 |
| 181. | Dr. Maliha Uroos Assistant Professor | Institute of Chemistry | travel grant for poster presentation of research paper titled “Biomimetic Total Synthesis of Aritasone” | Istanbul, Turkey | 31 August to 04 September 2014 |
| 182. | Dr. Naumana Amjad Associate Professor | Institute of Applied Psychology | travel grant for oral presentation of research paper titled “Beliefs about Addiction, Locus of Control and Relapse Proneness in Persons with Substance Use Disorders (PUSD’s)” | Chicago, USA | 04-06 August, 2014 |
| 183. | Prof. Dr. Kanwal Ameen Chairperson | Department of Information Management | travel grant for oral presentation of research paper titled “Strategies for Effective | Dubrovnik, Croatia | 20-23 October, 2014 |



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| | | | Implementation of Information Literacy Instruction in Medical Libraries of Pakistan” | | |
| 184. | Dr. Basharat Ali Assistant Professor | Department of Microbiology and Molecular Genetics | travel grant for poster presentation of research paper titled “Co-incultation of Streptomyces and Bacillus enhanced in vitro auxin production and growth of Triticum aestivum L” | Izmir/Aydin, Turkey | 08-12 October, 2014 |
| 185. | Dr. Muhammad Imran Din Assistant Professor | Institute of Chemistry | travel grant for poster presentation of research paper titled “Urea Modified Microwave Treated Saccharum Bengalense as an Eco-Friendly Biosorbent – Green Modification Method” | Istanbul, Turkey | 31 August to 04 September, 2014 |
| 186. | Dr. Zahoor Hussain Farooqi Assistant Professor | Institute of Chemistry | travel grant for poster presentation of research paper titled “Study of kinetics of reduction of nitrobenzene catalyzed by silver-poly (N-isopropylacrylamide-co-allylacetic acid) hybrid microgels” | Istanbul, Turkey | 31 August to 04 September 2014 |
| 187. | Dr. Gulshan Majeed Assistant Professor | Department of Political Science | travel grant for oral presentation of research paper titled “Human Needs Theory: A Significant Approach to Manage Ethnic Conflicts in Pakistan” | Rhode Island , USA | 11-14 September, 2014 |
| 188. | Ms. Sadia Farooq Assistant Professor | Hailey College of Commerce | travel grant for poster presentation of research paper titled “Dealing with insufficient discrimination problem in DEA through production trade-offs approach-The case of microfinance institutions” | London, UK | 9-11 September, 2014 |
| 189. | Dr. Zulfqar Ahmad Bowra | Hailey College of | travel grant for oral presentation of research | Dubai, UAE | 10-12 October, |



| | | | | | |
|------|--|---|---|----------------------|-----------------------|
| | Assistant Professor | Commerce | paper titled "Role of OCB in the relationship of POS, Psychological Empowerment and intentions to quit: Evidence from Malaysian Hotel industry" | | 2014 |
| 190. | Dr. Hafiz Khalil Ahmad Assistant Professor | Department of Economics | travel grant for oral presentation of research paper titled "Impact of FDI on Income Distribution in Selected SAARC Countries" | Rize, Turkey | 26-28 August, 2014 |
| 191. | Mr. Muhammad Nasir Subbani Assistant Professor | Institute of Agricultural Sciences | travel grant for poster presentation of research paper titled "Effect of late blight caused by Phytophthora infestans on phenolic contents of potato cultivars" | Chiang Mai, Thailand | 03-06 November 2014 |
| 192. | Dr. Bushra H. Rahman Assistant Professor | Institute of Communication Studies | travel grant for oral presentation of research paper titled "Analyzing Role of Religious Values in Commercial Media: Comparing Perspectives of Media Students, Teachers and practitioners in Religious Sensibilities" | RI, USA | 11-14 September, 2014 |
| 193. | Mr. Muhammad Tariq Manzoor Research Officer | Institute of Agricultural Science | travel grant for poster presentation of research paper titled "Exploring plant diversity in a local Punjab flora using the Matk DNA Barcode" | Antalya, Turkey | 09-10 October, 2014 |
| 194. | Dr. Irfan Ahmed Shaikh Assistant Professor | College of Earth and Environmental Sciences | travel grant for poster presentation of research paper titled "A pilot-scale study to reduce water consumption in cotton dyeing using ozone-A green approach" | Bangkok, Thailand | 05-06 December 2014 |
| 195. | Dr. Nayab Batool Rizvi Assistant Professor | Institute of Chemistry | travel grant for oral presentation of research paper titled "Prevalence of Homocysteine in | Istanbul, Turkey | 14-17 October, 2014 |



| | | | | | |
|------|---|--|--|------------------------|--------------------------------|
| | | | patients with Cardiovascular disorders in Pakistan” | | |
| 196. | Ms. Robina Begum Lecturer | Centre for Undergraduate Studies | travel grant for poster presentation of research paper titled “Reduction of Nitroarenes in aqueous medium using multi-responsive microgels fabricated with silver nanoparticles” | Istanbul, Turkey | 31 August to 04 September 2014 |
| 197. | Mr. Fahad Riaz Lecturer (On Contract) | Department of Metallurgy & Materials Engineering | travel grant for oral presentation of research paper titled “Ultrafine-Grained Metal Sheets Produced Using the Accumulative Roll Bonding Process for Light-Weight Structures” | Kuala Lumpur, Malaysia | 04-05 September, 2014 |
| 198. | Jahanzeb Qureshi Lecturer | Department of Space Science | travel grant for oral presentation of research paper titled “Remote sensing study of tectonic geomorphology in Potwar Plateau” | Singapore | 22-23 September, 2014 |
| 199. | Mr. Amer Masood Lecturer (On Contract) | Department of Space Science | travel grant for oral presentation of research paper titled “Appraisal of Neotectonics in Gilgit Baltistan-Northern Pakistan: inferences from Remote Sensing and GIS” | Singapore | 22-23 September, 2014 |

**SCHOLARS PROCEEDED ABROAD FOR Ph.D STUDY FROM 01.10.2013 to 30.09.2014**

| Sr.# | Name | Department | Program | University | Country | 2013-14 |
|------|--|--|--|---|----------|---------|
| 1 | Ms. Sadeeqa Riaz Khan Lecturer | Punjab University College of Information Technology | Ph.D Open & Distance Online (Split) | School of Information & Communication Technology Asia e University | Malaysia | 470822 |
| 2 | Mr. Zeeshan Ahmer Lecturer | Institute of Business Administration | Ph.D Distance Online (Split) | University of Hertfordshire, U.K | U.K | 1150526 |
| 3 | Mr. Numan Javed Lecturer | Department of Microbiology & Molecular Genetics | Ph.D | Chinese Academy of Sciences, China | China | 1666666 |
| 4 | Mr. Ahmed Muneeb Mehta Lecturer | Hailey College of Banking & Finance | Ph.D | Yasar University, Turkey | Turkey | 1700000 |
| 5 | Rana Ahmad Bin Sadiq Lecturer | Institute of Geology | Ph.D | Technical University of Freiberg | Germany | 1604792 |
| 6 | Ms. Maryam Ilyas Lecturer | College of Statistical and Actuarial Sciences | Ph.D | University College London | U.K | 1530566 |
| 7 | Mrs. Maraim Altaf Tarar Lecturer | Institute of Quality & Technology Management | Ph.D | University of Nottingham Malaysiya Campus | Malaysia | 3333332 |
| 8 | Mr. Shahid Mahmood Gul Assistant Professor | Department of Philosophy | Ph.D (Split) | Yale University USA | USA | 539634 |
| 9 | Ms. Omama Tariq Lecturer | Institute of Applied Psychology | Ph.D | University of Brighton | U.K | 1666666 |
| 10 | Mr. Kashif Mairaj Deen Lecturer | College of Engineering and Emerging Technologies | Ph.D | University of British Columbia Vancouver, Canada | Canada | 1666666 |
| 11 | Ms. Ayesha Serfraz Assistant Professor | Institute of Administrative Sciences | Ph.D | Universitat Hamburg | Germany | 1559220 |
| 12 | Ms. Naseem Bukhari Lecturer | Institute of Business Administration | Ph.D | International Centre for Education in Islamic Finance | Malaysia | 2061048 |
| 13 | Mr. Muhammad Hassan Khan Lecturer | Punjab University College of Information Technology | Ph.D | Universitat Siegen | Germany | 1549679 |
| 14 | Ms. Sadia Akbar Lecturer | Department of Gender Studies | Ph.D | Centre for Transdisciplinary Gender Studies(ZTG), Humboldt Universitat Zu, Berlin | Germany | 1666666 |



Chapter

15

HEALTH CENTRE & MEDICAL FACILITIES

- *Medical Facilities available*
- *Counseling for Stress Reduction*



CHAPTER

15

Health Centre & Medical Facilities**Health Centre / Medical Facilities****HEALTH FACILITIES**

Punjab University Health Centre is providing medical cover to about 1200 teachers, 7000 employees & their families and 10000 resident students. The University Health Centre is functioning six days a week under the directive of the Vice-Chancellor in order to provide maximum facilities to the University patients.

Average daily attendance in the outdoor clinic of the University Health Centre is about 250 patients. We have stopped providing general medication since January, 2011. A fully equipped Emergency Centre is functioning from 8.00 a.m. to 09.00 p.m. With the establishment of Emergency Centre the University patients are being provided emergency care within the campus and very few patients with critical conditions have to be referred to Government hospitals.

At Residential Colony Evening Dispensary has started functioning and is providing medical cover to the residents of the colony from 6.00 p.m. to 9.00 p.m. One Medical Officer is deputed in the Dispensary to facilitate the patients.

Services of the Diabetic Clinic in the University Health Centre has also been improved. At present there are 1121 patients registered with the Diabetic Unit. Medical record of all these patients has been computerized and efforts are being made to control diabetes in these patients.

This year 145 patients were provided comprehensive Cardiac treatment at Punjab Institute of Cardiology. Similarly 191 patients were referred to Shaukat Khanum Memorial Cancer Hospital for treatment of Malignant diseases.

The Health Centre is also equipped with Digital X-Ray and latest Ultrasonography machine. Radiology Section attends 12 to 15 patients for X-Ray as well as 8 to 10 patients for Ultrasonography per day.

Eye Unit of the Health Centre is equipped with latest machines. One Ophthalmologist is providing his services to the University patients and 15 to 20 patients seek advice from this Unit daily.

Punjab University Health Centre has a most modern Dental Chair. A Dentist provides dental treatment to University students, employees and teachers. The number of visitation to Dental Unit ranges 10 to 15 patients daily.

Physiotherapy Unit has also been established. Five to seven patients are being provided physiotherapy treatment every day.

One Senior Medical Officer is deputed at Allama Iqbal Campus (AIC). He provides medical aids to students and employees working in different departments at Allama Iqbal Campus. The Chief Medical Officer also visits AIC once a week.

50 to 60 patients including students, employees visit to the Laboratory for different tests. After getting admission in the University, 3239 students have visited the Health Centre this year for Hepatitis screening. Out of which 27 students turned out HBS-Ag positive and 09 HCV positive. Forty Seven patients (24 Employees + 23 Students) received treatment for Hepatitis-B and Hepatitis-C from the Health Centre.



At present the Health Centre has two ambulances. This Centre provides transportation facilities to the University patients. These ambulances also take dead bodies to their native towns for funeral ceremonies.

On the request of the Chief Medical Officer, the Jinnah Hospital Lahore has started to provide outdoor Diagnostic facilities to the University patients from 13th June, 2013. Shaukat Khanam Memorial Cancer Hospital and Mid-City (Cardex) Centre are already providing diagnostic facilities to the University patients. After extensive and exhaustive negotiations, the administration of the Shaukat Khanam Memorial Cancer Hospital has started facilitating the patients of the Punjab University to visit the notified S.K.M.C.H. Laboratory Collection Centres.

After approval of the Syndicate, the Health Centre started to provide medical cover to the **parents/husbands** residing with the employees and wholly dependent on them.

Wide scale insecticide spray was carried out in both the Campuses more than once against any possible spread of Dengue Fever. We are also conducting awareness Seminars against prevention of Dengue Fever in different departments of the University. Leaflets and posters are being distributed to create awareness among the University population. We are also coordinating with the Higher Education Department, Government of the Punjab, about Dengue prevention and we deliver a daily report about activities conducted by the Dengue Control Team of the Punjab University constituted by the Vice-Chancellor.

All the 304 newly appointed teachers and employees reported to the Health Centre for medical checkup. They were examined medically and clinically. After thorough examination they were issued medical fitness certificates.

One Social Welfare Officer also helps us in the counseling of patients and students about various aspects of the diseases.

Counseling & Assessment Services

Student Counseling & Assessment Services was established in 2005 by Institute of Applied Psychology, University of the Punjab and since 2009 it has been functioning on the premises of University Health Centre under the administrative control of Institute of Applied Psychology.

The counseling services are offered for Punjab University Students. The main objectives of these services are to support and guide students having problems in the areas of academics, social or emotional adjustment or any serious psychiatric problem. Since 2009 up till 2013 almost 265 students have availed counseling services. Thus in 2014 the figure raised above 350 enrolled students who have been provided psychological help on the basis of one to one counseling session and have shown good prognosis. Thus other students have availed simple guidance and assessment services on the basis of self-referral or in special cases referral by the competent authority. Counseling services is a joint venture of SCAS and Health Centre as in severe cases Psychiatric help is also provided by the doctors in Health Centre along with psychotherapy.

The most frequently **Reported Problems** by students are:

Academic Problems: Poor concentration in studies, Poor study habits or time management, performance anxiety, Procrastination etc

Personal Problems: Lack of confidence, Lack of Assertive skills, Financial stress, family problems, relationship problems etc.

Adjustment Problems: Adjustment issues with roommates in hostel, problems with class fellows/teachers in department.

Emotional problems: Anxiety, Fears, Depression, Anger etc

Psychiatric Problems: Obsessive Compulsive Disorder, Major Depression, Bipolar Disorder, Personality Disorder, Psychotic breakdown.



The **Services** provided by the counseling centre are:

Individual counseling session based on individual need of the client. It is based on Relaxation training, Deep breathing ,Stress Management, Time Management, Effective study skills, Assertive skills, Behavioral techniques to overcome fears and phobia, Social Skills training, Cognitive Behavior therapy etc.

In special and severe cases where the students face family problems or their severity of problem is alarming, confidential parental counseling is also provided.

Psychological Assessment services are also provided in special cases referred by the competent authority.

Counseling services and guidance has also been availed by the University employees.

Presently Student Counselor on behalf of SCAS platform has also been involved as a resource person in University Staff Training program.

SCAS brochures and letters are also disseminated each year to the HOD's of each Department/ College /Institute of Punjab University for the awareness of the upcoming new students.

Students are also provided written material to read like overcoming anxiety, time management skills, and Effective study habits, How to improve memory etc. Time management planner has also been devised by the counseling centre and given to those students who have problem of time management.

Student Counselor also arranges presentations and lectures yearly in each Department of the University to create awareness among students and teachers regarding Psychological problems and Provision of counseling services at SCAS.



Chapter

16

**FACILITIES OF THE UNIVERSITY
&
IMPROVEMENTS**



CHAPTER

16

Facilities of the University & Improvements

Facilities of the University & Improvements

HUMAN RESOURCE BRANCH

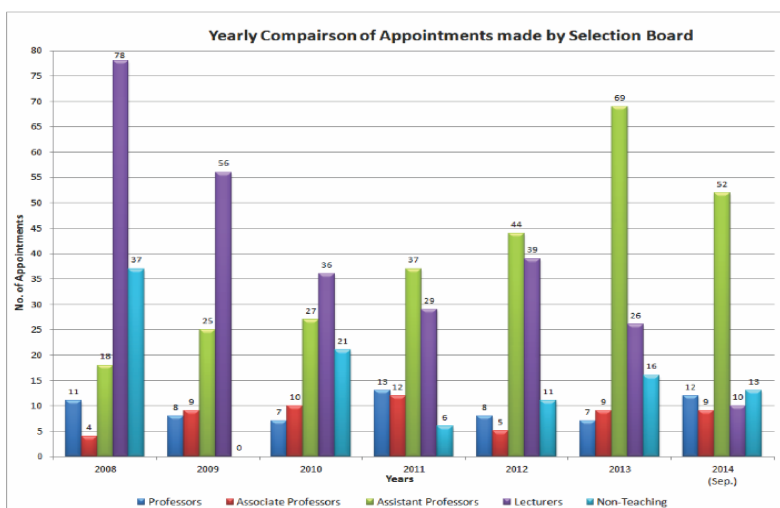
Human Resources Branch was established in August 2008 in order to streamline the appointment procedure of teaching faculty/administrative staff. Following are major functions of the Branch:-

- o Floating of advertisements
o Receiving/processing applications
o Conduct the Selection Boards
o Issuance of appointment orders

Till to time, 07 advertisements for appointment of teaching faculty and administrative posts (BS-17 & above) have been floated in the print media. Against these advertisements, 2584 were received which were scrutinized, processed and then forwarded to the concerned Deans for determination of eligibility.

After getting their eligibility by the concerned Deans/Officers, the office prepares their Assessment Sheets based on their academic qualification marks and short list the candidates. In case of the appointments of Professor/Associate Professors office contact with the foreign/local subject experts for getting their expert opinion. And when the cases ready to place before the Selection Board, the eligible and short listed candidates are issued call letters for interview, after getting approval from the authorities.

Since the creation of the Branch, 177 meetings of the Selection Board have been conducted and the breakup of the appointments made in these meetings is as under:-





In addition to this, 116 faculty members were appointed under TTS after getting endorsement by the Higher Education Commission, Islamabad.

The total appointments made from January 2008 to September 2014 become 935, which is very high as compare to any other tenure of the Vice-Chancellor. A comparison of the appointments made in different tenures of the Vice-Chancellor is as under:-

| Period | Name of Vice-Chancellor | No. of Appointments Made |
|------------------------|-----------------------------|--------------------------|
| Jan. 2000 to Dec. 2003 | Lt. Gen. (R) Arshad Mahmood | 347 |
| Jan. 2004 to Dec. 2007 | Lt. Gen. (R) Arshad Mahmood | 335 |
| | Total | 682 |
| | Average (per year) | 85 |
| Jan. 2008 to Dec. 2011 | Prof. Dr. Mujahid Kamran | 555 |
| Jan. 2012 to Sep. 2014 | Prof. Dr. Mujahid Kamran | 332 |
| | Total | 887 |
| | Average (per year) | 147 |

ADMISSION OFFICE

Admission Office deals with the activities related to the regular admissions of all the Departments/Institute/Centres/Colleges of University of the Punjab. This office holds very important position as all the difficulties associated with admission shall be resolved by the Admission Committee. All the controversial cases encountered during admission process are resolved by the Chairman, Admission Committee. Thus, the Admission Committee plays a supervisory role during the admissions. Major tasks performed by the Admission Office during the Admission Year, 2014 are as follows:-

1. Primarily, Admission Committee formulated and got printed the "Admission Regulation Book 2014", consisting all the rules and regulations related to admissions. The Rules & Regulation Book contains detailed information about various programs and its eligibility criteria offered by all the Departments/Centres/Institutes/Colleges of the Punjab University.
2. "Admission Regulation Book 2014" and "Dues/Fee Schedule for Admissions" was published and distributed by the Admission Office to all the Departments/Institutes/Centres/Colleges of the Punjab University for guidance. These books are also made available at the University Bookshop to facilitate the students and admission seekers.
3. Admission Committee got published the advertisement regarding regular admissions for the academic year, 2014 in different well-known English and Urdu Newspapers. It helps the public to be aware of the starting and ending dates of the admissions in the Punjab University along with the basic admission criteria required for getting admission in different programs.
4. Admission Committee addresses all the issues and resolves on the basis of rules & regulations laid down related to admissions.
5. Admission Office maintains complete record of the admissions made on different reserve seats categories along with the admissions of the candidates from the Balochistan Province in different programs of all the Departments/Institutes/Centres/Colleges on reserve seat specially announced by the worthy Vice-Chancellor, Prof.Dr.Mujahid Kamran.



6. Admission Office conducts various surveys in all the Departments/ Institutes/Centres/Colleges of the Punjab University required by the higher authorities like Secretariat Education Colleges and Ministry of Economic Affairs & Division.
7. Moreover, Admission Office also verifies and distributes “Green Cards” to the students issued by the “Lahore Transport Company” in order to provide low cost and easy means of transportation to the University students.

AFFILIATION BRANCH

| | | |
|---|---|-----|
| ○ Total colleges visited | = | 625 |
| ○ Fresh Affiliation granted | = | 105 |
| ○ Addition /extension/increase in intake granted | = | 556 |
| ○ Addition /extension /increase in intake not granted | = | 03 |
| ○ Fresh Affiliation not granted | = | 03 |
| ○ De-Affiliation/Affiliation Withdrawn/Suspended | = | 05 |

CHILD WELFARE CENTRE

Child Welfare Centre, University of the Punjab is now the 12th year, working for the welfare of Students with Special needs to make them able bodies through functional academics and vocational training. Child Welfare Centre is rehabilitating them through speech therapy, physio therapy, parents/children counseling, and socialization through different individual or group activities.

Chapter 1

Report on Academic Activities

Physical, Visual, Hearing and Mentally Challenged people are commonly observed in all societies. Our mission is to provide transforming gift of mobility and independence to above mentioned and other hidden disabilities to overcome barriers of society.

Currently Education is a powerful tool to survive in a decent way in society. So utmost effort is being made in Child Welfare Centre to decrease maximum burden of disability of special learner on parents and society.

On the basis of Need Assessment Individualized Educational Programs are planned. They are comprised on the duration of four months and are ends up on post assessments by class teacher and multidisciplinary team including with Physio therapist, speech therapist, music therapist, sports and vocational teachers. All these plans are implemented in form of individual and group activities.

Contrive experiences are being given to the children of Child Welfare Centre, which makes our classes interactive and develop decision making skills and knowledge construction skills in our students.

For the completion of the course work of the students of higher education of various departments of different universities, colleges visit CWC do research work, internship and enrich their knowledge.

Chapter 2

Vocational activities started in CWC for junior & adult students on session bases from Feb, 2014 to up till now. These activities Planned for Junior & adult Girls and boys vocational & prevocational activities planned for these students to make them independent in their interest area. 20 junior Boys & Girls and 18 adult students avail these facilities. The areas of vocational and pre-vocational skills are discuss below. Session of 30 min is planned for teaching following tasks: Paint with brush on chart paper, pot painting, fabric painting, string of beads making, stitch button large size, running stitch first on hard chart paper & then on fabric, peeling off vegetables, Cutting of vegetables, Frying French fries, making tea, preparing soft drinks, Ironing cloths. Junior and adult students learnt how to operate the computer



in computer lab. In summer vacation, two months course of stitching and sewing was arranged for female residents of colony and outsider girls to make their life independent.

A lecture series of Quran-e-karim has been arranged during the month of Ramazan-ul- Mubarak. Adult girls and women of residential colony attended these blessed lectures.

Chapter 3

Parents Teachers Meeting

Parent teacher meeting is an essential part of academic session and achievement record. In child welfare centre for special needs parent teacher meeting held at the end of the year December 2013 in which teacher thoroughly discuss with parents about student performance and further plan which will be start from January 2014. Multidisciplinary team conducted meeting with parents about transitional services which are given to students also discussed about students achievements and weaknesses.

The 2nd meeting was schedule in May 2014, before summer vacations in which four months performance record of students and summer vacations Home Work & plan also discussed and handed over to parents so they help students and be actively involved in their academic tasks. Annual report of student performance has been discussed and hand over to the parents.

Individual meetings of special students also conducted On & Off according to the behavior and needs of students. IEP (individualized educational plan) meetings conducted for the betterment of special students and for the involvement of parents in their child's adaptive behavior tasks.

Chapter 4

Field Trips

Field trips expand children's learning through on hand experience with rich resources of the local community. Field trips increase student's knowledge and understanding and add realism in their life. CWC has arranged a field visit to the Press and Publication University of the Punjab on dated 2nd October, 2013. This trip was aimed to seek out market demands for the vocational rehabilitation of special need students.

A group of special needs adult boys with their teachers visited various sections of Press and observed different activities such as compiling, folding, pasting, cutting, binding and punching. This visit provided an informative learning experience. For the better understanding and use of community resources adult boy's field trip was arranged to mosque of PU, Bank and Post Office on 2nd June, 2014 under the supervision of their academic teacher.

It is evidence that low self esteem and lack of confidence can plague children with special needs. Allowing them to have equal access CWC has been arranged a recreational visit to jalo park and waghera boarder on 4th April, 2014. This visit aimed to enhance social, communicative and cognitive abilities as well as improve their verbal performance and promote learning.

Birthday Parties

Birthday celebration is not only source of pleasure but also building healthy positive social relations in one's life. For individual with special needs events such as birth day parties can potentially be a struggle. Through planning and structure birthday party provide unique experience and new opportunities to learn and grow. These type of activities help students either special needs to develop both physically and socially. CWC has been celebrated birthday parties of their students during mentioned period of time to have fun and learn etiquettes of social events.



Chapter 5

Major Purchased

To strengthening the infrastructure, Child Welfare Centre has purchases different accessories for the functional use for the special children.

CWC has purchased following items under the period review

| No. | Item | Qty |
|-----|--------------------------------------|-------|
| 1- | UPS | No,1 |
| 2- | Battery 200A 12V/AGS | No,04 |
| 3- | Laser jet proMFP M176n color printer | No,1 |
| 4- | Equipment for marching band | No,11 |

Chapter 6

International Day of Persons with Disabilities

To mark International Day of Persons with Disabilities, the Child Welfare Center and Department of Special Education University of the Punjab jointly organized an event on December 3, 2013. The International Day for Persons with Intellectual Challenges, aimed at increasing awareness and acceptance amongst the masses. Theme for 2013 announced by united nation is “**Break Barriers, Open Doors: for an inclusive society and development for all**”. Dr Ehsan Malik was the nominated chief guest by the worthy Vice Chancellor. Notable guests were Dr. Khalid Jamil, respected faculty members of different departments of University of the Punjab and **Govt.** of the Punjab. This event was comprised of tableau, cultural show, games, songs presented by student s of CWC. This event also has unique features as students with special needs of higher education share their experiences, struggles and achievements.

Celebrations of Independence Day

Child Welfare Center also arranged different activities to give awareness to children about Independence Day on 23rd March 2014. Childern presented tableau on national song, a documentary film on Independence Day was shown to children and a Quiz was conducted to celebrate the day.

Chapter 7

Sports Event

Annual Sports Day in Child Welfare Center was celebrated on 27th Feb 2014. Principal of Law College PU Lahore; Mrs Vice Chancellor Madam Shazia Qureshi was the Chief Guest of the ceremony. Dean of Education Madam Mumtaz & Faculty Members from Department of Special Education accompanied with Incharge chair person Mrs Humaira Bano visited the sports day as honorable guests. All parents of students participated and encouraged the children. Events of sports day were 25 meter race by junior boys and girls, Ballon Acitivity(C.P), Tower making, Crawling Race was arranged for play group, Eating Competition, junior girls participated in colorful balls, Ball in the Basket, Bangles activity, Bull Eye, Tug of War, and join circle was managed.

Special Olympics Pakistan

Special Olympics fourteenth games were held on 29 September, 2014 at Ayub Stadium, Lahore. Students of C.W.C participated in 50 Meter Race, Bocce game and won medals.

Detail of Medals won in 50 Meter Race

| | |
|---------|----|
| Gold | 01 |
| Silver | 07 |
| Bronze | 02 |
| Ribbons | 07 |

Detail of Medals won in Bocce

| | |
|--------|----|
| Silver | 04 |
|--------|----|



DEPARTMENT OF EXAMINATIONS

The Department of Examinations is a major earning Department of University of the Punjab. The whole system of Examinations is computerized. More than 305 Examinations are conducted every year with strength of about 0.5 million students. The detail of achievements is as under:-

- **Controller's Personal Section**

The nature of work of this section is quite sensitive and multi-dimensional. 20,970 letters, complains were entered in the Diary Register and were disposed off accordingly. Email accounts were handled. 2950 documents were attested for HEC. Arrangements of Monitoring of Examination Centers of B.A / B.Sc, M.A / M.Sc, B.Ed, Commerce, Law etc were made. Advances for fuel and toll taxes etc for monitoring cars were drawn and their adjustments deposited. Bills of monitoring teams were also processed in this section. Enquiries were dealt through Telephonic calls, fax machine and also through open door policy. Schedules of meetings were announced. Thousands of degrees and other necessary documents were signed by the Controller of Examinations and Addl. Controller of Examinations as well. Daily dak and public inquires relating to Exams, results, degrees problems are also dealt within the personal section. 4230 T.A/D.A bills of Resident Inspectors, Monitoring Teams of various Examinations were processed. 221 PhD theses were received for evaluation. 97 letters and reminders were dispatched to M.S., M.D. & M.D.S theses Examinations. 10 M.S. cases sent to Secrecy Branch after completion. 3730 letters were dispatched to the Resident Inspector & Monitoring Team. 781 Police Administration letters were issued. 101,000 degrees were signed by the Controller of Examinations. 457 remuneration bills of PhD theses to Examinations were processed.

- **Conduct Branch**

Conduct Branch of Department of Examinations is assigned with the major task of carrying out all those steps which are involved in the conduct of any Examination, local or abroad. It starts the process of any Examination from the scratch and works earnestly until the Examination is terminated successfully. The Conduct Branch has to make arrangements for the Conduct of 305 Exams in a year. The working of the Branch for the period October 01, 2013 to September 30, 2014 is being summarized as under:-

245 theory Exams while 120 practical Exams were conducted during the above mentioned period and about 1800 theory centers with 375 practical centers were constituted. In these centers about 1900 Superintendents, 1900 Additional Superintendents and 6500 Invigilators were appointed. In addition to this 475 Distributing Inspectors were appointed. For theory Exams 225,000 Answer-Books were dispatched to all the constituted centers. Also for practical Examinations about 135,000 practical Answer-books were dispatched to constituted centers. Further, about 60,000 sealed packets containing question papers were also sent to various cities where centers were constituted. Also 70 Examinations were conducted abroad in various countries for expatriate Pakistanis.

- **Secrecy Branch**

The B.A. /B.Sc. Supplementary Examination 2013, Annual Examination 2014, Special Examination was held and their results were also declared without any delay. 1776 re-checking cases were filed during the period and cleared well in time. The results of M.A. /M.Sc. Part-I and Part-II Annual Examination 2013 were declared, 1600 R.L. cases were also cleared and Special Examinations (Urdu, Political Science, Economies, English & History) of M.A. Part-I Annual Examination 2013 were held in



Kuwait, U.K., K.S.A, Canada, Germany, U.S.A. and U.A.E. Their results were declared, Special 13 Examinations, History, English, Economics & Urdu of M.A. Part-II Annual Examinations 2013 were also held in New Zealand, K.S.A, U.A.E., U.K., and the results of the same have also been declared well in time. In addition to these Examinations B.Ed., B.S.Ed. (1st, 2nd & 3rd Prof.), Diploma in Physical Education, M.Ed. Elementary / Secondary/General, M.Ed. visual impairment were also conducted in October, 2013 and February, March 2014 and their results have been declared. About 110 Professional Examinations of different diplomas, certificates, etc., in the fields of Medical, Engineering, Commerce, Home Economics, Dentistry, Pharmacy, B.S. 4 Years Program, M.Com, M.B.A. etc. were held during October 2013 to September 2014. Scripts were received from Examination centers, processed and were dispatched to Examiners for marking. Marked scripts were kept in the section. About 9500 R.L. and R.F.C. cases and 95 different other cases pertaining to above mentioned Examinations and about 336 Re-checking cases were settled during this period. Final Prof M.B.B.S 2nd Annual 2013 was conducted in the building of Fatima Jinnah and Sheikh Zayed Medical College Lahore. The process of central marking proved successful for early declaration of results of Final Prof M.B.B.S examinations. The central marking of B.S 4 years program was conducted in Secrecy Branch. It is pointed out that Central marking of M.Com-I, II Second Annual 2013 and B. Com-I, II Annual 2014 was conducted in the building of Hailey College of Commerce, University of the Punjab, Lahore. The result of B. Com-I, II Second Annual 2013 and Annual 2014 were declared well in time. Central marking of LLB Part-I,II&III Second Annual 2013 and Annual 2014 were conducted in the building of Law College Punjab University Lahore. B.Com Part-I Annual 2014 184 R.L. Cases R.F.C 8695 & 172 Re-checking cases were also cleared. B.Com Part-II Annual Examination 2014, 95 R.L Cases 4591 R.F.C. 337 Re-checking cases werev also cleared. LLB Part-I, II& III Annual Examination 2014, 132 R.L. Cases R.F.C. 2634 & 213 Re-checking cases were also cleared. During this period from October 2013 to September 2014, 7100 examiners were appointed for B.A/B.Sc and M.A/M.Sc Examinations and 1310 Question Papers were set by paper setters and 6990 examiners were appointed for BS 4 years degree program, Professional, LLB, B.Com Pharmacy, B.Ed & Professional Diplomas. As well as 1200 Examiners were appointed for B.S. 4 years Programs. Remuneration bills T.A/D.A and contingent bills of Paper Setters and Examiners were also prepared and forwarded to the Accounts Branch for payment. During the period from 1st October 2013 to 30th September 2014, 1681 unfair means cases in B.A/B.Sc, M.A/M.Sc and 700 cases in all other examinations were registered. All the cases were finalized before the declaration of results.

- **External & Computer Degree Section**

The major task of this section is to issue the degrees and verifications of documents of the candidates nationwide and expatriate Pakistanis. The following progress was made during the specific period; 7998 degree forms were received without fee, 6985 degree forms received with fee, 14168 verification forms were received with fee (V. Number), 26649 Verification cases were received from different departments with fee (R Number). 782 verification cases were received from different departments without fee (FR Number), 23232 degrees of BA/B/Sc sent to the candidates at their home addresses by registered mail. 25096 degrees of M.A/M.Sc. candidates were sent to their home addresses by registered mail. 19559 degrees of B.Com, LLB & all other candidates of professional Examinations (Regular & Private) were sent to colleges and at home addresses respectively. 1912 Total all type of diplomas, Detailed Marks certificates and merit certificates were issued. Total 41599 verifications were issued vide number V, R & FR. 919 forms were sent back to candidates due to their incomplete documents were issued during the period.

Examination Branch-I

- **B.A/B.Sc Hall/Computer Section**



This section dealt with the results of B.A/B.Sc Supplementary 2013, total 24112 candidates were appeared and 11014 candidates were declared pass. B.A/B. Sc Annual Examination, 2014 was held on April, 2014, total 133125 candidates were appeared and 50298 were declared pass. B.A/B.Sc special examination, 2013 was conducted, total 378 candidates were appeared in different countries and 139 candidates were declared pass. L.L.B Part-I, II, III Supplementary Examinations, 2013 were also conducted, total 4845 candidates were appeared 2978 were declared pass. L.L.B Part-I, II, III Annual Examinations, 2014 were also conducted 14689 candidates were appeared and 7599 candidates were declared pass. The commencement of relevant examinations and declaration of results were made within stipulated time successfully.

- **Server Room and General Section (Exams)**

Trouble shootings of equipments, 450 queries were dealt as of installation of windows, software and hardware. The networking has been completed in B.S. Block. The maintenance of Generator for Server Room has been done as and when required at various times in this period. The vendors were contacted in time for claiming warranties and repairs. The management of Production Printers has also been done timely.

This section also dealt a lot of matters relating to staff working under Controller of Examinations i.e. processing of all type of leave cases, joining reports, reliving reports, processing of Bills of staff and vendors, Some matters of Convocations, arrangements of local purchase committee meetings 5 meetings were conducted during this period. Receiving of all kinds of stationary items from the Main Store at various times this practice repeated and got received by the sections concerned, other materials which are purchase from the local market through vendors be reserved many times for maintaining little stocks for emergency use. Preparation of all kinds of reports as and when required, all matters relating to engineering branch, receiving of blank result cards from the Press after proper counting by the deputed persons. In short, this section provides technical and non technical support to all the sections working under Controller of Examinations.

- **B.A/B.Sc / L.L.B Section (Computer Inquiry)**

This section dealt with the complaints of the candidates relating to B.A/B.Sc & LL.B, examinations. 5370 cases of B.A/B.Sc LL.B were received and processed.

Examination Branch-II

- **B.Com (Computer Section)**

This Section dealt with the results of B.Com Part-I & Part-II Examinations. During the stipulated period 136844 candidates were appeared and 57424 candidates were declared pass.

- **M.A. /M.Sc. Hall/Computer Section**

The result of M.A/M.Sc. Part-I & Part-II Annual Examination, 2014 held in June/July 2014 were declared. Result Cards were despatched accordingly. 63345 candidates were appeared in Part-I and 45059 candidates were appeared in Part-II examination. R.L. Cases were also cleared within very short period of time. The result of M.A. /M.Sc. Part-I & Part-II Supplementary Examination, 2014 were declared. Result Cards were issued accordingly. 11080 candidates were appeared in Part-I and 10315 candidates were appeared in Part-II examination. R.L. Cases were also cleared within very short period of time.

- **Forms Section**

This section dealt with the work relating to the printing, issuing and processing of the Admission Forms of all the examinations, which are conducted by the University. This Section has performed following work pertaining to the Admission Forms during the period 2012-14.



305,000 Admission Forms of various examinations were got prepared from the University Press. Admission Forms of different Examinations were issued to the candidates by hand free of cost. About 430,000 Admissions Forms of different Examinations were received from the candidates by hand, by post and from the colleges. After checking, the Admissions Forms were entered in the relevant registers to maintain proper record and thereafter arranged category-wise. After having affixed serial number on the Admission Forms of each examination, these were delivered to the Sections Concerned/Computer Section according to the Schedule. Incomplete Admission Forms of the candidates of each examination which were received by post were returned to them. The Admission Forms which were received after due date, being time barred, were rejected and returned to the candidates by registered post and proper record was maintained.

- **Litigation Cell**

This section dealt with 163 Writ petitions/Appeals/Civil Suits/Civil Appeals/Civil. Org./I.C.A & CPLA were filed against the University of the Punjab and defended in Civil District Courts/High Courts/Supreme Courts of Pakistan during the period. 121 Writ Petitions have been decided and the remaining numbers are still pending in the above mentioned courts of law. Similarly, 62 complaints were received from the office of the Provincial Ombudsman out of which 54 cases decided and remaining are under decision.

- **Enquiry Section M.A/M.Sc and Profession Exams. / Main Diary**

This section provided essential information to the candidates of all the Examinations through inquiry windows and telephones as well. During stipulated period, 2123 cases of M.A/M.Sc. were received and processed; only 3 cases are under process up till now. 2470 cases of B.Com/B.S. Hons. /B.Ed./M.B.B.S. & all professional Examinations were received and processed, 17 are under process. Thousands of duplicate roll number slips were also issued to the candidates through this section. This section dealt with the complaints of the candidates relating to different Examinations. Thousands of duplicates roll number slips were issued which were processed accordingly. 6490 inquiries letters were registered in Diary Register and 3979 were delivered by post to the concerned quarter.

Examination Branch-III

- **Awards Section**

This section dealt with the Award Lists of all the Examinations, which are being conducted by the University. During the period sealed envelopes containing 12494 Award Lists were received from the Examiners of the various Examinations. These award lists were checked /entered and delivered to the Section concerned for further processing. Moreover, letters and reminders are also sent to Examiners who did not send Award lists in time and discrepancies are also removed after confirmation from the examiners through postal and telephonic services. The result positions of all Examinations are also prepared time to time for information of the authorities.

- **Professional Hall**

This Section dealt with all the Professional Examinations running under Semester and Annual Systems. 60 results of undergraduate programs and 2843 candidates were appeared, 100 results of Master degree programs and 4044 candidates were appeared, 46 results of M.S/M.Phil and 550 candidates were appeared. The results of 45 Postgraduate diplomas were declared during the period. Besides, results declared under Annual system of Examinations include, Bachelor of Education (B.Ed), M.B.B.S. B.S Applied Geology, B.Ed. Special needs. Further, this section also made arrangements for conduct of 123rd Annual Convocation, wherein 1555 candidates were decided to be invited and office also got prepared Medals from Pakistan Mint to be awarded to the top students. However, at the last



moment the convocation was postponed on the directives of the Higher Education Department, Govt. of the Punjab. This convocation is tentatively scheduled to be held in the month of October, 2015.

- **Professional (Computer Section)**

This section dealt with the results of all the professional computerized Examinations. During the stipulated period 103 different professional Examinations were conducted for 14583. Total 104 results were declared, 10826 candidates were declared pass.

DEPARTMENT OF PRESS & PUBLICATIONS

- **Academic Achievements**

Several workshops were arranged for the students of College of Arts & Design for their practical requirements and knowledge regarding Pre-press, Printing material & Graphic Arts.

- **R&D-An Overview**

The Department of Press & Publications is striving to provide quality printing and publication services to the University of the Punjab at subsidized rates. However, due to this cost reduction in Press services the workload of the Department of Press & Publications has increased considerably. All types of printing material concerning the Secrecy & Conduct Branch like Answer Books, Continuation Sheets, Practical Answer Books for (B.A./B.Sc., M.A./M.Sc.) exams, different Admission Forms, different syllabus and material about professional examinations were printed here. The most important task of Press is the printing of examination materials for conducting the exams well in time and providing all the regarding materials for about 300,000 students. The Department of Press & Publications has also been assigned the printing of confidential document i.e. Degrees, Certificates, Result Cards, Result Sheets and Registers of various kinds.

Publications/ Printings

The Department of Press & Publications has under taken the jobs during the year October 2013 to September 2014 are as following.

| Sr. # | Departments | Description | Numberings |
|-------|---|--------------|------------|
| | Department of Examinations, Chemical Engineering & Technology, Hailey College of Commerce, Economics, Quality Management, High Energy Physics, Engineering & Emerging Technology, Institute of Bio-chemistry & Bio-technology, Social & Cultural Studies, Punjab University College of Information Technology, Administrative Science, College of Statistical & Actuarial Sciences, Jehlum Campus, Zoology. | Answer Books | 33,15,000 |
| | Department of Examinations, Hailey College of Commerce, Quality Management, High Energy Physics, Institute of Bio-chemistry & Bio-technology, Punjab University College of Information Technology, Administrative Science, College of Statistical & Actuarial Sciences, Zoology, Institute Business Administration, Hailey College of Banking and Finance. | Extra Sheets | 1,85000 |



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| | Department of Examinations, Directorate of Students Affairs, Law College, Institute of Education & Research, Special Education, Institute of Communication Studies, Institute of Administrative Sciences, Chemical Engineering & Technology, History, Botany, Mathematics, Pharmacy. | Degree / Diploma/ Certificates/ Transcripts | 70,461 |
| | Department of Examinations, College of Earth & Environmental Sciences. | Result Cards | 15,600 |
| | Department of Examinations, Accounts branch, Hailey College of Banking and Finance, Resident Officer-I, Institute of Business Administration, Hall Council, Institute of Education & Research, Sports for Men/Women, Hailey College of Commerce, Child Welfare Centre. | Admission Forms/ All types of forms | 10,42,325 |
| | Human Resource Section, Statue section, Planning & Development Cell, Academic Branch | Title/ Agenda/ Gazette/ Annual Report | 2,928 |
| | College of Art & Design, Political Science, Social and Cultural Studies, Institute of Education & Research, College of Earth and Environmental Sciences, Gujranwala Campus, Hailey College of commerce, Sheikh Zayed Islamic Centre, Islamic Studies, Special Education, Mathematics, Economics, Institute of Business Administration, Applied Psychology, College of Statistical & Actuarial Sciences, Chemical Engineering & Technology, Career Counseling & Placement Centre, English, Physics, Solid State Physics, Hall Council, Zoology, Hailey College of Banking & Finance, Geography, Institute of Administrative Sciences, Centre for High Energy Physics, Geographic Information System, Institute of Bio-chemistry & Bio-technology, Institute of Business Administration, Pharmacy. | Prospectuses | 97,500 |
| | Various Officers/ Teaching Staff of Punjab University | Visiting Cards | 26,700 |
| | Islamic Studies, Philosophy, Chemical Engineering & Technology, Applied Psychology, Urdu, Archeology, Political Science, College of Statistical & Actuarial Sciences, Mathematics, Zoology, Sheikh | Journals | 19,385 |



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|--|--|-------------------------------|----------|
| | Zayyed Islamic Centre, Laboratory School IER, English, Geography, Hailey College of Commerce, Persian, Sargodha University, Economics, Institute of Communication Studies, Arabic, Punjabi, Management Sciences, Oriental College. | | |
| | Office of Vice Chancellor, College of Art & Design, Philosophy, Punjab University Library, South Asian Studies, Social & Cultural Studies, Islamic studies, Hajvery Chair, Oriental college, Iqbaliyat, Urdu Development Committee, Pakistan Study Centre, Literary History, Punjabi, Rumi Chair, Persian, Amjad Islam Amjad (poet) | Books | 28,291 |
| | Department of Examinations, History, Conduct store, Health Centre, Institute of Education & Research, Child Welfare Centre, Zoology, Clinical Psychology, Undergraduate Studies, Institute of Administrative Sciences, Chemistry, Centre for High Energy Physics, College of Statistical & Actuarial Sciences, Gujranwala Campus, Geology, College of Earth and Environmental Sciences, Sheikh Zayyed Islamic Centre, Hailey College of Banking and Finance. | Envelopes | 1,33,550 |
| | Institute of Applied Psychology, Social & Cultural Studies, Institute of Communication Studies, English, French, | News Letters | 2,250 |
| | Health Centre, Academic Staff Association, Chemistry, Punjab University Library, Department of Examinations. | Posters, Stickers & Hall map | 20,850 |
| | Accounts branch, Punjab University Library, South Asian Studies, Chemistry, Artist Association of Pakistan, Public Relation Office, Academic Staff Association, Chemical Engineering and Technology, Quality Enhancement Cell, College of Art & Design, History, Philosophy, Pharmacy, Persian, Institute of Administrative Sciences. | Brochures, Pamphlet & booklet | 25,700 |
| | Office of Vice Chancellor, Punjab University College of Information Technology, Social & Cultural Studies | Fact Books | 6,270 |
| | Governor, Vice Chancellor for convocation | Speeches | 33,000 |
| | Registration Branch | Registration Cards | 2,10,000 |
| | Deputy Registrar General | Receipts, Slips, Ballot Paper | 60,000 |



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| | Resident Officer – I | Tickets, Security stickers | 52,500 |
| | Main Store, Accounts branch, Hostel #7 & 11 | Registers for various kinds | 3,048 |
| | Health Centre, Warden Hostel 8, Zoology, Hall council, Sociology, Engineering & Emerging Technology, Islamic studies, Institute of Communication Studies, Oriental College, Persian, Punjab University Library, College of Earth & Environmental Sciences, Geology, Pharmacy, Arabic, Hailey College of Banking & Finance, Management Sciences. | Letter Pads | 1,29,100 |
| | Deputy Registrar (General), Accounts branch, Clinical Psychology, Child Welfare Centre, Undergraduate studies, Gujranwala Campus, Doctoral Programme Coordination, Institute of Education & Research, Punjab University Model School, Chemistry, Chemical Engineering & Technology, Space Science, Girls Hostel 3, Pharmacy, Hailey College of Commerce. | Files Covers | 16,700 |
| | Department of Examinations, Deputy Registrar (General) | Programs Cards | 3,500 |
| | Office of Vice Chancellor, Deputy Registrar (General) | Convocation Cards, Season cards | 4,200 |
| | Institute of Administrative Sciences | Certificates | 70,460 |
| | Office of Vice Chancellor | Complementary Cards, Visitors Slips | 8,000 |
| | Resident Officer – I | Buss Passes | 3,66,500 |
| | For Vice Chancellor Office | Executive Diaries | 10,600 |
| | For Vice Chancellor Office | Small Diaries | 9,300 |
| | For Vice Chancellor Office | Day Planners | 6,825 |
| | College of Art & Design, Deputy Registrar (General), Hailey College of Commerce, Law College, Office of Research Innovation & Commercialization, History, Pharmacy. | Invitation Cards | 10,640 |
| | Punjab University Model High School, Institute of Education & Research, Gujranwala Campus, Institute of Bio-chemistry & Bio-technology, Kashmiryat, Laboratory School, Mosque Day Care Centre, Special Education. | Class Cards, Library cards, Fee card & Book Pocket | 1,15,650 |
| | Hostel # 11, Health Centre. | Permission slips | 7,200 |
| | Planning & Development Cell, Hailey College of Banking and Finance. | Directory all type | 1,900 |
| | Vice Chancellor Office, Statue Section, Hailey College of Banking and Finance. | Wall calendar, Pocket calendar, University Calendar, Ramzan Calendar | 17,400 |



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| Account Branch, Hailey College of Banking and Finance. | Budget copies | 6,000 |
| Advisor to VC, Oriental College, Pharmacy, Space Science, Law College. | Magazine | 6,375 |
| College of Art & Design, Hailey College of Banking and Finance. | Catalog book | 12,700 |
| Applied Psychology, History, South Asian Studies, Chemistry. | Abstracts | 900 |
| Hailey College of Banking and Finance. | Entry test Roll slips | 1,500 |
| Microbiology & Molecular Genetics, Executive Club, Resident Officer – I, Child Welfare Centre, Hall Council. | Bill books, Pad book & Ballot paper | 1,215 |

Our Mission is to disseminate knowledge and creative work in all of its forms through scientific and intellectual publishing at affordable price.

DEPARTMENT OF PUBLIC RELATIONS

The year 2013-14 was another year full of challenges, which the university had never faced before. As the administration had adopted the policy of ensuring peaceful and academic environment on campus, some political elements always tried to create hurdles and spread wrong information to the Press. The PR department not only successfully countered their propaganda but also further enhanced and improved professional relationship with the TV channels and major national newspapers. The details of main activities of the PU PR Department during the year 2013-14, are given, as under:

Press Conferences

Successful press conferences on every critical issue were arranged to make the PU a resounding success.

Columns / Articles / Features

For presenting positive image of Punjab University in print media, many columns, columns, articles and features were published. The department also hosted several luncheons and dinners and celebrated evenings with renowned senior journalists.

Press Releases

The day-to-day press coverage of the university events were published daily in national Press. PU gained maximum space in national Press. Over 850 press releases with pictures were published in newspapers this year. The department also highlighted the research work and achievements of university scholars. The department also took up the task of coverage of our co-curricular and sports events.

PU Advertisements

PU's Public Relations Department is one of the only government departments who have maintained good relationship with Director General Public Relations' office. The publication process of our tender, vacancy and special advertisements had been smooth.

Contradictions/Clarifications

Sometimes newspapers/TV channels publish/broadcast incorrect news item based on misinformation. In such cases, the PR department managed broadcast of true picture of the story for keeping the record straight.

Future Development Plans

- Establishment of video monitoring and video editing unit.

**DIRECTORATE OF EXTERNAL LINKAGES****Services**

- Orientation and guidance services for new entrants to acquaint them to the University life
- Counseling and Advisory Services may include personal, social emotional and financial problems.
- Follow-up Services
- Self esteem
- Professional development and pursue university Education
- Effective communication Skills
- How to composed a power CV
- To organize Motivational Seminars and training workshops
- Job Placement & Career opportunities
- Online CV Bank
- Face Book Page www.facebook.com/careercounseling&placementcentrepujabuni
- Website www.pu.edu.pk/ccpc

Seminars and Tanning workshops recently conducted in different Departments of the University

| Name of institute/college/department | Topic | Date | Name of Trainer |
|--|---|------------|--|
| 1. IBIT | Career in Banking Sector | 03-02-2014 | Mr.Malik Zahid Bashir(SVP KASB) |
| 2. I.E.R | Study & Career in Poland | 05-02-2014 | Miss. Marta |
| 3. Department of Social work | Career Planning & CV writing | 25-02-2014 | Mr. Farhan Shabir (CEO of Innovation Foundation) |
| 4. Department of Philosophy | Career Planning & CV writing | 18-03-2014 | Mr. Farhan Shabir (CEO of Innovation Foundation) |
| 5. HCC | Self Esteem & Fear of Failures | 09-04-2014 | Mr. Atif Mirza (Motivational Speaker) |
| 6. Department of Arabic | Awakening | 15-04-2014 | Mr.Qasim Ali Shah (Motivational Speaker) |
| 7. HCC | Career in Banking sector | 16-04-2014 | Mr.Malik Zahid Bashir (SVP KASB) |
| 8. Department of Mathematics | Career Planning & CV Writing | 17-04-2014 | Mr.Atif Mirza (Motivational Speaker) |
| 9. Institute of Education & Research | Civil Service Rules implications for Teachers | 2-05-2014 | Mr.Khalid Saed (Additional Session Judge) |
| 10. Institute of Agricultural Sciences | Self Esteem & Fear of Failures | 15-05-2014 | Mr.Atif Mirza (Motivational Speaker) |
| 11. Institute of Business Administration | Self Exploration | 16-05-2014 | Mr.Qasim Ali Shah (Motivational Speaker) |



| | | | |
|---|--|------------|--|
| | | | Speaker) |
| 12. Institute of Social & Cultural Studies | Self Disclosure | 20-05-2014 | Mr.Qasim Ali Shah (Motivational Speaker) |
| 13. HCC | Interview Skills & how to write a CV | 21-05-2014 | Mr.Kamran Saeed (Executive Director Marketing) |
| 14. HCC | Awakening & Employability Skills | 26-05-2014 | Mr.Qasim Ali Shah (Motivational Speaker) |
| 15. Department of History | Self Actualization | 28-05-2014 | Mr.Qasim Ali Shah (Motivational Speaker) |
| 16. Department of Information Management | Mind Mapping | 30-05-2014 | Mr. Atif Mirza (Motivational Speaker) |
| 17. Institute of Social & Cultural Studies | CV Writing | 03-06-2014 | Mr. Farhan Shabir (CEO of Innovation Foundation) |
| 18. HCC | Campus Hiring | 06-06-2014 | Zameen.com |
| 19. IER | Entrepreneurship & Employability Skills | 19-6-2014 | Qasim Ali Shah and Mian Shahbaz |
| 20. CCPC | Campus Hiring | 20-08-2014 | Textile Testing International |
| 21. CCPC | Campus Ambassador | 16-10-2014 | Teach For Pakistan |
| 22. Department of Information Management | Job Hunting | 13-10-2014 | Qasim Ali Shah |
| 23. Department of Archeology | Buddhist Circuits of SAARC | 08-12-2014 | Prof Akhilesh Jha (New Dehli) |
| 24. Institute of Chemical Engineering & Technology | Information Session regarding Jobs | 17-12-2014 | Teach For Pakistan |

Placement of the Students

Recently hiring by following companies in different departments of Punjab University. Appointment List is attached here.

| | | | |
|-------------------------------|-------------------|-------------------|----------------------------------|
| 1. Hailey College of Commerce | Campus Hiring | 06-06-2014 | Zameen.com |
| 2. CCPC | Campus Hiring | 20-08-2014 | Textile Testing International |
| 3. CCPC | Campus Ambassador | 16-10-2014 | Teach For Pakistan |

Internship Programs

CCPC has not only build up liaison with corporate sector but also accommodate more than 50 students for their Professional Internship program in various National, Multinational Companies and Banks.

Guidance of the Students regarding admission

More than 200 students visited CCPC for guidance regarding their admissions.



International Speakers

CCPC have organized two International Seminars in Institute of Education & Research and in Department of Archeology. One speaker was from India and other was from Poland.

CV Bank

CCPC is collecting direct CV's from those graduates who complete their degrees and also collecting CV Bank from the department.

Liaison with the new companies and Firms

1. The Recruiters Lahore
2. A Host Dynamics (Pvt) Limited Lahore.
3. The Recruiters Lounge
4. Horizon Technology (IT)
5. Vantage Pakistan
6. Techno soft Solution inc.
7. Ahmad Fine Textile
8. Medipak Limited (Pharmaceutical)
9. Kashf Foundation
10. Descon Chemicals
11. Lead Tech (IT)
12. Nescent Software
13. Dubai Islamic Bank
14. Zameen.com
15. Indus Venture
16. Jahanara memorial trust
17. Textile testing international
18. Xyber system.com
19. Orient Group of Companies.
20. Faysal Bank.
21. Lakson Group of Companies
22. Rolus tech
23. Faisl bank limited
24. Association for academic quality (afaq)
25. offroadstudios
26. Al - andalus institute of languages.
27. Eastern caterers
28. Techjuice
29. Textile testing international
30. Gfa consulting group
31. Orient group of companies
32. Kaymu.pk
33. E-cart services pakistan (pvt.) Ltd.
34. Dar-e-arqam college



35. Business & executive resource planners (berpl)
36. Experts sustain and experts4asia
37. Jotun pakistan
38. Viper technologies
39. University of sussex uk
40. Hadean private company limited
41. Varioline intercool pakistan (pvt.) Ltd
42. Model steel group of companies lahore
43. Al-khidmat foundation pakistan (akfp)
44. Advanced corporate solutions (private) limited
45. Qarshi industries (pvt.) Ltd
46. Medipak limited
47. The citizens archive of pakistan
48. Nova leather pakistan(pvt)ltd
49. Teczon labs
50. Mjla|services (knowledge process outsourcing (company))
51. Commtel digital
52. Ghurki trust teaching hospital

Some Training workshops and Seminars

Study & Career Planning in Poland by Miss Marta at Institute of Education & Research





Career Planning & CV writing by Farhan Shabbier at Department of Philosophy







Career as a Banker by Zahad Bashir at IBIT
Awakening by Qasim Ali Shah at Department of Arabic



Self Esteem & Fears of Failure by Atif Mirza at Hailey College of Commerce





Power CV & Interview Technique by Kamran Saeed at HCC





Self Disclosure by Qasim Ali Shah at Institute of Social & Cultural Studies





Self Esteem & Fears of Failure by Atif Mirza at Department of Mathematics





Self Exploration by Qasim Ali Shah at Institute of Business Administration





Self Esteem & Fears of Failure by Atif Mirza at Agricultural Sciences





Entrepreneurship & Employability Skills by Mian Shahbaz (Saudi Arabia) and Qasim Ali Shah at IER





Campus Hiring at HCC by Zameen Media





**Civil Roles by Khalid Saeed
(Retd. Additional Session Judge) at IER**





How to write Power CV by Farhan Shabbier at Institute of Cultural and Social Sciences





Career as a Banker by Zahad Bashir at Hailey College of Commerce





Campus Hiring at CCPC by Textile Testing International





**Job Hunting by
Qasim Ali Shah at Department of Information Management**





**Career in Education Sector by
Teach For Pakistan at Institute of Chemical Engineering & Technology**





**Buddhist Circuit of SAARC by
Pro Akhilesh JHa at Department of Archeology**





Future Agenda

- Job Fair
- International Conference on Career Counseling

HALL COUNCIL

The Hall Council is an important statutory body of the Punjab University. Hall Council supervises **27** University Hostels which are administrating by **27** Wardens, **27** Superintendents. One Chairman, One Deputy Chairman, One Deputy Chairperson, One Secretary. In these hostels more than 7,000 students are residing.

- | | |
|---|----|
| 1. Boys Hostels at Quaid-e-Azam Campus | 15 |
| 2. Boys Hostels at Allama Iqbal Campus | 01 |
| 3. Girls Hostels at Quaid-e-Azam Campus | 11 |
| Including four external wings | |
| Total Hostel Male and Female | 27 |

Special Checking For Unauthorized Persons

The Hall Council under the orders of Vice-Chancellor made special efforts to eject illegal occupants and a lot of success has been achieved with the active cooperation of the Wardens and Superintendents. As a result of surprise visits illegal persons were detected and expelled from the hostels. The action was taken against the students who managed to accommodate such illegal persons.

Co-Curricular Activities

Every hostel organizes Annual Sports and Annual Dinners for the residents. The Hall Council Supervises and provides facilities in the conduct of all such activities. It encourages the students to participate in the sports and other extracurricular activities arranged in the hostels and prizes are awarded to the winning students / teams. The residents of the hostels organize their mess through the mess committees.

Basic Facilities provided by the Hall Council to the Hostels

The Basic Facilities to all the hostels have been provided by the Office of the Hall Council such as furniture items, electric fans, geysers, water coolers etc, according the requirements. In addition, the Hall Council provided maintenance and repair facilities to the Hostels. The necessary items are purchased and provided after the approval of the Special purchase Committee of Hall Council. Medical facilities are being provided to the residents students round the clock. The services of the University Physicians are also available in the night hours in emergency to the boarders. The University Hall Council offers complete medical coverage to the residents of the hostels.



Study and Recreation Tours

Many Male and Female students from other Universities and Colleges of the country visited Punjab University on study tours in the year 2013-2014. The Hall Council made arrangements for their stay, and provided the facilities to visit the city of Lahore too.

Meetings

Special meetings of Wardens and Superintendents were held to resolve various issues of the Hostel. With unanimous consensus some of the very delicate issues were resolved. In addition, the meetings of Purchase Committee, ad-hoc Committee were also held for the purpose.

Foreign Students

The seats have been specified in boy's hostels and girls hostels for Foreign Students and all the necessary facilities are being provided to them so that they may feel like their home lands.

Street & Hostel Lights

With the help of the Engineering Department streetlight system in the hostels area has been improved. Sanitation conditions around the hostels are being also improved with the help of the Resident Officer-II. Special attention is also being paid to develop plantation to add greenery and beauty to the surrounding environment of the hostels.

Funds Allocated

In addition, the Budget estimate for year 2013-2014 Rs.1,50,000/- was sanctioned to each hostel for its repair and maintenance. The amount has been spent for various maintenance, repair works and better facilities to the resident students.

Prospectus

The prospectus of Hall Council with updates was printed and distributed in all Institutes/Centres/Constituent Colleges for allotment to their students in 2014-15.

Arrangements for Security Measurement

After the Army Public School, Peshawar attack/present political situation of the Country, the Hall Council also took the vast decision regarding the security measures of the hostels students and area. Following arrangement was made regarding the security measurement.

1. Completely ban the non residence students/general public in the hostel area.
2. Complete ban the traffic shortcuts through the hostel area.
3. Pay guests are complete ban.
4. Hostel Chawkidars duty time increase into 12 Horus shift.
5. Compile the hostels area non university employee data.

INFORMATION TECHNOLOGY CENTRE

INTRODUCTION

Punjab University is the first public sector university in the field of IT to lay down 47 Km. long Fiber Optic Cable Network: having 74 optical fiber nodes serving all departments, hostels and Administrative Block through local area network. Now there are over 7000 state of the art computers and more than 16,000 laptops (PM, CM Laptop scheme for students) in university. Computer culture has been created.

To manage all the activities of the overall IT Infrastructure i.e. Network Development, Expansion, Maintenance/ Troubleshooting services (Network, Hardware and Software), Software Development, Database Management, Website Design & Development, online Announcement of Examination News, Notice & Results, 24-hour Internet facility, the University of the Punjab has full-fledged services department in Quaid-i-Azam/ Allama Iqbal Campus, namely the **INFORMATION TECHNOLOGY CENTRE**



(IT Centre). This Centre is striving for the growth and evolution of new IT services in the University. Bandwidth has been gradually increased from 64Kbps to 670Mbps in Quaid-e-Azam Campus and 100Mbps in Allama Iqbal Campus against PERN2 project and 6Mbps in Jhelum Campus.

The Information Technology Centre develops and manages the computing and networking infrastructure of the University. The Centre provides computing support to all Faculty Members, Administrative officers and Students. In addition, we serve the University's faculty members and administration needs by providing various office automation and productivity tools. We also update all the information in Punjab University website.

Details of the services provided by Information Technology Centre are as follow.

OUR SERVICES

- IP Telephony
- E-Mail
- Software Development
- Licensed Software Distribution
- Digital Library
- Networking
- Video Conferencing
- Campus Management Solution
- Web Portal Design & Development
- Maintenance Activities
- Hardware Lab

IP Telephony Project (VOIP)

A project of **IP TELEPHONY** has been initiated and successfully implemented by Information Technology Centre in the university. Using IP phones any employee of the University can communicate with others just like traditional telephone with much better voice quality and with the saving of their telephonic cost. This facility is totally **FREE** for all the university employees having IP phone. IT Centre is providing all kind of support in its installation and smooth working in the university.



IT Centre installed 232 IP phone in Administrative and Academic departments head's offices. The incoming calls from any network (Mobile, PTCL, NTC etc.) are enabled on these IP phones. System has the extendable capacity upto 4000 users. IP Telephony has come of age and has proven capable of delivering cost savings and productivity increases for businesses of all sizes. In fact, the adoption of IP Telephony is gaining momentum, with primary business drivers being:

- ✓ Provide highly secure, reliable, scalable communications that take advantage of your LAN
- ✓ Lower equipment administration costs
- ✓ Lower voice costs
- ✓ Centralized network control and management
- ✓ Conference calling
- ✓ Call transfer facility
- ✓ Corporate Directory
- ✓ Ability to quickly relocate phones or phone systems temporarily in an emergency



IT Centre is providing all kinds of support in managing and maintenance of this IP Telephone project and looking forward to expand this project up-to all faculty members and administrative staff to decrease the telephonic budget of Punjab University.

E-MAIL (OFFICIAL ADDRESSES)

IT Centre is also providing Free Email services with unlimited Storage Space that is fully functional for the use of university faculty members and administrative staff to communicate electronically. PU mail can also be used through Webmail facility from anywhere in the world with access to the Internet. There are more than 2000 users using this facility. With this email services, PU user can also avail following services by Google for data security and accessibility.

- ✓ Google Calendar
- ✓ Drive and Docs
- ✓ Google Sites
- ✓ Google Books
- ✓ Picasa Web Albums
- ✓ Google Sync for Mobile
- ✓ Talk/Hangouts
- ✓ Google Play
- ✓ Google Translate

SOFTWARE DEVELOPMENT

The Software Development section of Information Technology Centre is actively participating in development of Software Systems of the University of the Punjab. The following Software Systems were developed, implemented and are being maintained by the IT Centre software section.

Deployed Softwares

- ✓ MLIMS (Multilingual Library Information Management System)
 - This application has been installed and successfully implemented in 51 departmental Libraries.
- ✓ OPAC (On Line Public Access Catalog)
- ✓ LMS (Lab Management System)
- ✓ Serials (Under Construction)
- ✓ Electricity & Gas Billing System
- ✓ Diary Management System
- ✓ Ranking Information Software
- ✓ Books Section at PU website
- ✓ PU Fee Section (Accounts Branch)
- ✓ PU Data Management System

New Developments in Year 2013-14

PU Fee Section (Accounts Branch)

This software will be used by Accounts Branch - Treasurer Office. The purpose and main features of this software are:

- Import Bank Challan Lists.
- Import Bank Statements.



- Import Demand Sheets received from Department of Examination.
- Manual Entries of Challans and Private, Regular & Late College students (Registration & Examination).
- Challans Comparison and generation of Traced/Not Traced Challans to avoid from Fee Frauds.
- Merge Challans with bank Challans list.
- Multi Users & Multi User Roles having User Access Control List accordingly.
- Refund Challan amounts.
- Adjustments of Challan amount between different approved Income Heads.
- Reports for Data Entry Challans, Bank Challans, Challans Comparison, Traced/ Not Traced Challans, Fee Income, Inquiry, Clearance etc.

OPAC

Performance improvements in OPAC (Online Public Access Catalog)

<http://opac.pu.edu.pk>.

LICENSED SOFTWARE DISTRIBUTION

Microsoft NSSA Web portal Accounts Services

Punjab University IT center is providing NSSA (National Student Software Accessibility) Web Portal services with Collaboration of HEC & Microsoft to all Faculty, Staff and Students of the University. The entire Faculty and Students of Punjab University will now be able to get Microsoft software catalog **FREE OF COST** through NSSA Web Portal.

NSSA is a web-based management system which enables to make MSDNAA (Microsoft Software Developers Network Academic Alliance) software easily available to students and faculty. In other way, this is University's software distribution website. One can register & download available software.

Login Page to Microsoft Portal

<https://e5.onthehub.com/WebStore/Account/AccountDetailsRegistration.aspx?ws=6f9be4e8-e1c1-e011-ae14-f04da23e67f6&u=6778866d-13ce-e011-ae14-f04da23e67f6&JSEnabled=1>

Total Users (Faculty, staff & students) Register in Microsoft NSSA Portal in year 2013-2014 (4327)

DIGITAL LIBRARY

MLIMS (Multilingual Library Information Management System)

Software for computerization of library which covers whole aspects and all areas of Library. It is a desktop application which fulfills all needs of any library. This application has been installed and successfully implemented in 40 departmental Libraries.

OPAC (On Line Public Access Catalog)

OPAC provides Simple Search and Binary Search of books. Simple search means only one criteria, binary search means more than one criteria's with "AND" "OR" option.

PERN

Networks

The University of the Punjab has the largest IT Network Infrastructure to serve the IT services in the best and latest possible ways. The University of the Punjab has the largest Fiber Optic Cables Local Area Network involving more than 47KM single and multimode fiber optic cable as backbone with more than 7,000+ nodes and more than 16000 laptops, which provide intranet & internet facility between all existing departments offering E-services like Email/ Internet facilities. Previously deployed 232 VOIP IP



phones over both campuses are in operation, and capable of free calls within the Campuses and enabled receiving Calls from external network (Mobile, PTCL, and NTC etc.).

This year Internet bandwidth has been increased 550Mbps to 670Mbps in Quaid-e-Azam Campus, 100Mbps in Allama Iqbal Campus and 6Mbps in Jhelum Campus for students, faculty and researchers which is the highest bandwidth among any Public Sector University in Pakistan. Similarly in Allama Iqbal Campus, IT Centre has established a Server Room in College of Pharmacy and LAN Network through Fiber Optic Cables as backbone among different departments including PUCIT, CAD and College of Pharmacy and wireless point to point link between IT Centre to Hailey College of Banking & Finance and Oriental College.

PERN-2

I.T Centre connected through PERN-2 Project in which all leading universities of Pakistan are connected at 1Gigabit optical fiber and 10 Gigabit Optical Fiber backbone. The University of the Punjab is the LA-PoP (Local Access Point of Presence) for the PERN-2 setup for other universities in Lahore. IT Centre using 776Mbps bandwidth through PERN-2 Project in Quaid-e-Azam Campus and Allama Iqbal Campus.



Data Centre/ Server Room

University I.T Centre (Quaid-e-Azam Campus) is equipped with the latest network and supporting hardware that includes 2500/3600/3845 Series Cisco Routers, NE20 Router, Core switch, switch blade, high-end layer 3/2 manageable and unmanageable switches, Cisco Pix Firewall 525, IBM Power Series Server in Data Centre, Proxy Servers, Web Servers, FTP Server and a DNS Server with the latest specifications round the clock with advanced level of UPS and power generator.



Wireless Network

IT Center provided internet facility to the following departments by Wireless connectivity:

1. Department of French in Quaid-i-Azam Campus.
2. GIS Centre (New building near SPARCO)
3. Hailey College of Banking & Finance
4. Oriental College

Nagios Monitoring Server

Nagios Monitoring server has been deployed for continuous monitoring of network nodes including important device and systems. This system is very helpful for fault detection and its elimination. The support section continuously monitors device & systems through this and take prompt action to avoid down times. There are over 390+ nodes monitored through this monitoring serve which are regularly increasing as increase in infrastructure.

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

1. I.T. Centre installed Wi-Fi equipment in all Hostels for provide the Internet services to the students.
2. Wi-Fi equipment installed in Department of Political Sciences.



3. Wi-Fi connection at Punjab University Colony
4. Wi-Fi equipment installed in Jhelum Campus.
5. Wi-Fi equipment installed in Islamic center Hostel.
6. Department of Sports and Physical Education
7. College of Statistical and Actuarial Sciences New Building

Fire Alarms/ Extinguishers

Fire alarms & extinguishers have been installed in IT Centre Data Centre and Server Room to overcome any unavoidable circumstances. The alarm has been connected in security guard's room to respond quickly in case of any fire or smoke.

Achievements & Expansion in Year 2013-14

New Extension Wi-Fi/ Wireless solutions

1. Department of Islamic Studies.
2. Islamic Centre Hostel
3. Department of Zoology Dr. Nadeem Shaikh Lab.
4. Department of English Language and Literature.
5. Child Welfare Centre
6. Engineering Branch Quaid-e- Azam Campus New Building
7. College of Statistical and Actuarial Sciences New Building
8. Centre for Clinical Psychology New Building
9. Registration Branch New Building
10. Female Teacher Hostel Networking
11. Department of Sports Sciences and Physical Education
12. Bachelor Male Teacher Hostel
13. School of Biological Science Hostel
14. Jhelum Campus
15. Idara Taleef –o-Tarjama Old Building
16. Department of Botany Dr. Saleem Lab
17. Department of Zoology Museum

New Extension in Optic Fiber LAN in 2013-14

Following new extension in Fiber Optic Cable LAN has been completed in new buildings of various departments/Hostels:

1. Engineering Branch Quaid-e- Azam Campus New Building.
2. Centre for Clinical Psychology New Building.
3. Dean of Islamic Studies new Office.
4. Department of Sports Sciences and Physical Education
5. School of Biological Science Hostel.

New Extension in UTP Cable LAN in 2013-14

Following new extension in the UTP Cable network/computer Labs has been completed/estimated in the current year.

1. Department of Islamic Studies.
2. Islamic Centre Hostel.



3. Seed Centre University of the Punjab.
4. Idara Taleef -o-Tarjama New Building.
5. Institute of Communication Studies.
6. Department of Zoology Dr. Nadeem Shaiksh Lab.
7. Department of Botany Dr. Saleem Lab.
8. Department of Zoology Museum.
9. Bachelor Male Teacher Hostel.
10. Department of Sports Sciences and Physical Education.
11. Female Teacher Hostel Networking.
12. Girls Hostel No. 7.
13. Dean of Islamic Studies new Office.
14. Career Counseling and Placement Centre.
15. Registration Branch New Building.
16. Conduct Branch New Building.
17. Centre for Clinical Psychology New Building.
18. College of Statistical and Actuarial Sciences New Building.
19. HR Branch DRA-II.
20. Engineering Branch Quaid-e- Azam Campus New Building.
21. PU Gymnasium New Campus.
22. Department of Electrical Engineering New Computer Lab.
23. Academic Branch.
24. Department of Botany Networking and managing of Cables.
25. Child Welfare Centre.
26. Academic Branch Extra work.
27. Transport Wing University of the Punjab.
28. Department of English Language and Literature.
29. Department of Space Science.
30. School of Physical Sciences.
31. Hailey College of Commerce.
32. Idara Taleef –o-Tarjama Old Building.
33. Marryum Hall Girls Hostel No. 3 Computer Lab.
34. School of Biological Science Hotel networking in office.
35. Form Section New Building
36. School of Biological Science Hostel.
37. Jehlum Campus Computer lab and in Offices.

VIDEO CONFERENCING

Education is changing very rapidly, and keeping pace with the evolving technology of the day are teaching practices. As the world shrinks and becomes one big united village, Video Conferencing has made its way into the classroom, and has proved to have innumerable benefits.



IT Centre established a Video Conferencing Hall in the premises of Centre for Under Graduate Studies. Students, Teachers and Management staff are now able to connect the national and international universities for video Conferencing. Videoconferencing provides students with the opportunity to learn by participating in two-way communication.

Some of the notable advantages of video conferencing are as follows:

- Improving productivity and efficiency.
- Accelerating decision-making process.
- Increasing access to information and experts.
- Reducing travel time, stress and expenses.
- Allowing more efficient allocation of resources.

Video Conferences Held in Year 2013-14

| Sr. No. | Date | Description (Video Conference) | Facilitated Department | Destination |
|---------|------------|---|--------------------------------|---------------|
| 1 | 02-10-2013 | Strengthening SBS | SBS | HEC |
| 2 | 26-11-2013 | Tackling Gender Violence in South Asia | Applied Psychology | HEC |
| 3 | 27-11-2013 | Social Psychology Research | Applied Psychology | UK University |
| 4 | 06-02-2014 | Video Conference | IER | Belgium |
| 5 | 10-02-2014 | Leadership Dimension in Teaching | IER | HEC |
| 6 | 17-03-2014 | Fulbright Scholarship | P&D | HEC |
| 7 | 16-04-2014 | Video Conference | Centre for Clinical Psychology | Australia |
| 8 | 19-06-2014 | Video Conference | VC Office | HEC |
| 9 | 18-09-2014 | Video Conference (Every Thursday) | Ms Farrukh Bashir (Chemistry) | SBK (Quetta) |
| 10 | 24-09-2014 | Nuclear magnetic Resonance Spectroscopy | MMG | HEC |
| 11 | 25-09-2014 | Nuclear magnetic Resonance Spectroscopy | MMG | HEC |
| 12 | 29-09-2014 | Nuclear magnetic Resonance Spectroscopy | MMG | HEC |
| 13 | 30-09-2014 | Nuclear magnetic Resonance Spectroscopy | MMG | HEC |

CAMPUS MANAGEMENT SOLUTION

PeopleSoft Campus Management Solution is an ERP and is being used by world's leading universities and is in implementation phase in University of the Punjab.

IT Centre CMS Section is providing support to the different departments of University of the Punjab across all campuses in terms of training and technical support. IT Centre has its own computer lab for



the Campus Management Solution, equipped with latest multimedia and computers. IT Centre is also managing the Data Centre of Campus Management Solution and providing 24/7 access to all departments.

Using this ERP every department can easily manage the records of all the students in their departments. Also faculty members can easily manage their classes/ results using this ERP.

The main modules of this ERP are:

- Recruiting & Admissions
- Student Records
- Gradebook
- Academic Advisement
- Student Financials & Administration
- Hostel Management Solution
- Self Service (Instructor & Students)

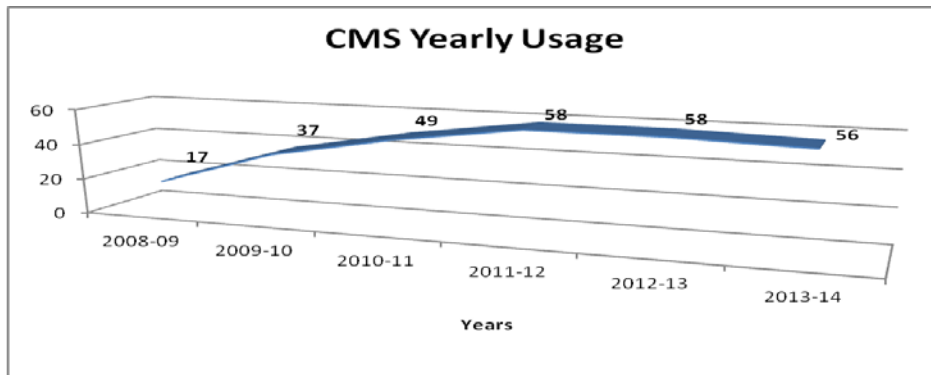
Trainings

Training of all modules has been given to each & every department. The training videos are also available on Punjab University website for user’s benefit. Moreover training in CMS is ongoing process, any department wants the training for its new staff can send their staff in IT Centre Lab. for CMS training in any working day.

Achievements in year 2013-14

As far as the progress is concerned, Campus Management Solution is implemented in almost every department of University of the Punjab and the overall usage is **56%** now, which was **58%** last year and we are striving to improve it. The decrease in usage is due to addition of some new departments in CMS from Jehlum Campus.

Graphic
CMS



View of
Usage

Queries Entertained

Last year about 157 queries have been received on CMS helpline related to CMS usage on different modules and almost all of them have been resolved. To track the query from departments a CMS helpline system has been developed. Through this any department can see the status of its query online.

Detailed Data Sheet

| Month | Total Queries | Resolved | Solved on same Date | Solved on Next Date | Solved After 2 days | Pending |
|----------|---------------|----------|---------------------|---------------------|---------------------|---------|
| Oct 2013 | 19 | 18 | 3 | 4 | 11 | 1 |
| Nov 2013 | 13 | 12 | 5 | 1 | 6 | 1 |



| | | | | | | |
|--------------|------------|------------|-----------|-----------|-----------|-----------|
| Dec 2013 | 6 | 4 | 2 | 0 | 2 | 2 |
| Jan 2014 | 19 | 19 | 5 | 5 | 9 | 0 |
| Feb 2014 | 16 | 10 | 3 | 3 | 4 | 6 |
| Mar 2014 | 32 | 19 | 8 | 2 | 9 | 13 |
| Apr 2014 | 5 | 4 | 0 | 1 | 3 | 1 |
| May 2014 | 15 | 13 | 2 | 1 | 10 | 2 |
| Jun 2014 | 11 | 8 | 2 | 2 | 4 | 3 |
| Jul 2014 | 6 | 5 | 1 | 2 | 2 | 1 |
| Aug 2014 | 9 | 8 | 0 | 0 | 8 | 1 |
| Sep 2014 | 6 | 4 | 1 | 1 | 2 | 2 |
| Total | 157 | 124 | 32 | 22 | 70 | 33 |

WEB PORTAL

The core function of the web section is to update Punjab University website (www.pu.edu.pk) and to design & develop the new portals/ websites for its departments. Web Section has been involved in all stages of the development of web sites - right from planning, design, quality control, launching to online promotion and monitoring.

Updating website

Web section entertained about more than **13,000 queries** received from all the Academic and Administrative department of the university. This includes updating of Departments, Faculty Members, Academic Programs, Seminars, Merit lists, Entry test results, Conferences and Journals information from academic departments and Jobs Notices, Date-Sheets, Results, Tender Notices, Schedules and Press Release from administrative departments and many more.

PU Journals

Almost 32 departmental journals websites are designed and developed by IT Centre web-section, some of them are with the frequency of Bi-annually, annually. Around 80+ journals have been updated last year.

Information on Facebook and Twitter

Press Release, Results, Tenders, Notices and News are also posted on Facebook & Twitter domain.

- http://www.twitter.com/#!/pu_lhr_official
- <http://www.facebook.com/UniversityOfThePunjab.Official>

Achievements in Year 2013-14

PU Website New Design

Designing and development of new website of University of the Punjab is in process.

<http://results.pu.edu.pk>

Quality Enhancement Cell

Design and develop web portal for teacher assessment for all the departments of University of the Punjab course/ program wise. Provide separate admin panel for Quality Enhancement Cell, respective departments and for students to login.

<http://pu.edu.pk/home/qecassessment/teacher>

Shifting of Different Departmental Website on Punjab University Domain

- pucit.pu.edu.pk
- iba.pu.edu.pk



- ibitpu.pu.edu.pk
- hcc.pu.edu.pk
- pugc.pu.edu.pk
- puhcbf.pu.edu.pk
- pulc.pu.edu.pk
- icspu.pu.edu.pk
- library.pu.edu.pk
- journals.pu.edu.pk

Advisory Cell on Foreign Education

Design and developed new website for ADVISORY CELL ON FOREIGN EDUCATION University of the Punjab.

<http://pu.edu.pk/acfe>

Search Engine Optimization

The site has been updated with the latest techniques and technologies to achieve maximum results for indexing website in Google. PU stood second in Alexa ranking.

http://www.alexa.com/topsites/category/Top/Reference/Education/Colleges_and_Universities/Asia/Pakistan

MAINTENANCES ACTIVITIES

Support Section

Support Section of IT Centre provides support and maintenance of all network communication infrastructure required to sustain the IT activities within University premises both Old and New Campus. Network infrastructure plays an increasingly central role in enabling the high levels of agility; one need to respond quickly to educational opportunities and challenges. Support Section performs activities of network troubleshooting, hardware and software installation, arrangements of I.T infrastructure during seminars, convocations and conferences in various departments. Complaint Management System is available to register the complaints of the Punjab University Staff for PC and network troubleshooting. PU Staff can register complains online and can see its status as well.

Achievements in Year 2013-14

- Design and estimate different departments Local Area Network (LAN).
- Complete the annual maintenance of fiber optic switches.
- Maintenance of UPS's installed in different departments with IT switches.
- Coordinate with network section during the implementation of VLAN.
- Coordinate with network section during the deployment of new IT equipment.
- Maintenance of Video Conferencing equipment including hardware and software.

Under the supervision of support section, following seminars and conferences were held successfully during (2013-2014)

1. Seminar "Road Safety and Responsibilities of Youth"
2. 1 Day Workshop Pakistan Studies
3. 2nd International Conference on Research In Education
4. Seminar "Awareness About Traffic Rules"
5. Seminar "Tributes to Late Prof Dr. Khawaja Ahmed Saeed"



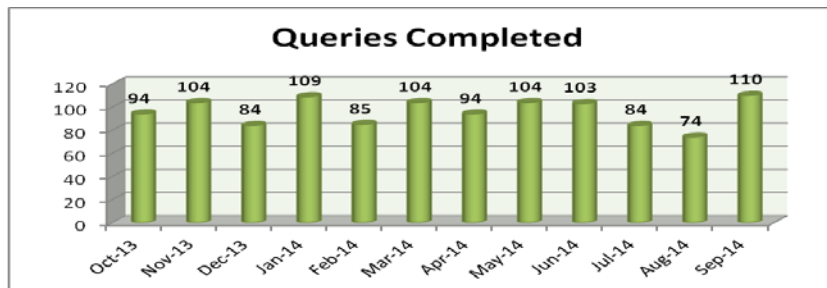
6. BA/BSc Annual Result Prize Distribution Ceremony 2013-14
7. Annual Dinner Girls Hostel 5
8. Conference “Clinical Psychology Outside Clinic”
9. 1 Day International Conference Clinical Psychology
10. Annual Book Fair 2014
11. 3rd Invention to Innovation Summit 2014
12. “Farewell and Welcome Party” IER 2014
13. International Conference “Socio Economic Cooperation Between India & Pakistan”
14. Alumni Dinner 2014 Applied Psychology
15. International Conference “ Champions of Libraries”
16. Annual Convocation 2013-14
17. 11th Biennial Conference “ Molecular Biosciences: Challenges and Opportunities”
18. Seminar “Litter Free Lahore & Citizens”

Total Number of Queries Entertained

Detailed Data Sheet

| Month | No. of Queries |
|----------------|----------------|
| October 2013 | 94 |
| November 2013 | 104 |
| December 2013 | 84 |
| January 2014 | 109 |
| February 2014 | 85 |
| March 2014 | 104 |
| April 2014 | 94 |
| May 2014 | 104 |
| June 2014 | 103 |
| July 2014 | 84 |
| August 2014 | 74 |
| September 2014 | 110 |
| TOTAL | 1149 |

Graphical View



Hardware Lab.

IT Centre established a Hardware Lab for Installation and Troubleshooting of Operating Systems Windows XP, Windows 7, Windows 8, MS Office 2003, MS Office 2007, MS Office 2010 Professional & MS Windows Server 2003, MS Windows Server 2008 and repairing Hardware Equipment CPU Motherboard, Power supply, Monitors, LCD, Network Switches, Multimedia, Scanner, printers, UPS,



Laptops. All departments in the University can refer their hardware for troubleshooting or repairs to the Hardware Lab. From computers and peripherals such as Monitors, CPUs, Multimedia, Scanner, Motherboard, Printers and CD-drives to other networking equipment like Media Converters, Switches and UPSs, the Hardware Section specializes in repairing like troubleshooting service for all kinds of computer hardware related problems, including power supply, motherboard, graphics card and Hard Drive faults. Also have the facilities to recover data from corrupted OS and damaged disks. Offer an assembly and upgrading service to Staff Members who would like to increase the specification of their PC. Offer advice on hardware related issues, such as general hardware configuration.

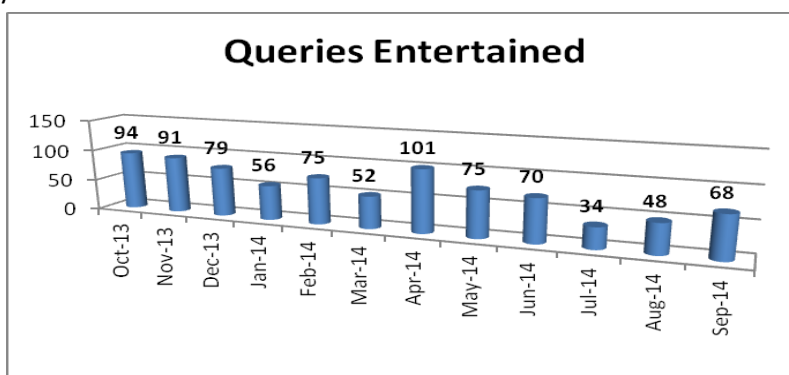
Achievements in Year 2013-14

Total Number of Queries Entertained

PU IT Centre Hardware Section is providing services to check Complaint Status online. <http://10.0.0.251/hardware/ComplainStatus.asp>

Total Number of Queries Entertained in 2013-14 (843)

Graphic View Analysis



Detailed Data Sheet

| Sr. No. | Month | Attend Calls /Month |
|---------|-----------------|---------------------|
| 01 | October ,2013 | 94 |
| 02 | November , 2013 | 91 |
| 03 | December, 2013 | 79 |
| 04 | January ,2014 | 56 |
| 05 | February, 2014 | 75 |
| 06 | March , 2014 | 52 |
| 07 | April,2014 | 101 |
| 08 | May,2014 | 75 |
| 09 | June,2014 | 70 |
| 10 | July,2014 | 34 |
| 11 | August,2014 | 48 |
| 12 | September,2014 | 68 |
| | Total | 843 |

LEGAL CELL

| Civil Courts | | Session Courts (Appeals) | |
|--------------|----|--------------------------|----|
| Filed | 20 | Filed | 06 |
| Decided | 00 | Decided | - |
| Pending | 20 | Pending | 06 |



| High Court (Writ Petitions) | | High Court (Intra Court Appeal) | |
|-----------------------------|----|---------------------------------|----|
| Filed | 94 | Filed | 05 |
| Decided | 65 | Decided | 05 |
| Pending | 29 | Pending | - |

| Supreme Court (CPLA) | | Punjab Service Tribunal (Appeals) | |
|----------------------|----|-----------------------------------|-----|
| Filed | 04 | Filed | Nil |
| Decided | 01 | Decided | - |
| Pending | 03 | Pending | - |

PROJECT DIRECTOR

| Sr. No. | Name of Work | Estimated Amount |
|---------|---|------------------|
| 1 | Construction of verandah of CSAS at QAC | 1,50,25,416.00 |
| 2 | Construction of Two Computers Lab at Admin Block of CSAS at QAC | 1,36,21,846.00 |
| 3 | Construction of Boundary wall security office main gate approach road etc of CSAS at QAC. | 2,25,51,217.00 |
| 4 | Parking of Newly constructed one window operation Block of Examination at QAC | 26,66,475.00 |
| 5 | Construction of Carpeted Road from main gate to IT Deptt at QAC | 52,33,046.00 |
| 6 | Widening & Re-Carpetting / Allied Works of different Roads at QAC | 4,36,49,878.00 |
| 7 | Renovation of Library Auditorium class Rooms main corridor and wash room of Law College at QAC. | 2,14,59,696.00 |
| 8 | Construction of Research Lab at Chemistry Deptt HEC (Funded) at QAC. | 77,70,053.00 |
| 9 | Construction of Gymnasium near Executive Club at QAC | 63,18,247.00 |
| 10 | Remaining work of Building Textile Engineering & Tech at QAC | 1,80,59,664.00 |
| 11 | Construction of Building for Bank at QAC. | 1,41,88,091.00 |
| 12 | P/L porcelin tile in verandha floor of CSAS at QAC. | 28,35,000.00 |

PUNJAB UNIVERSITY EMPLOYEES HOUSING SCHEME

- Major part of material for external electrification from the suppliers for both the Towns reached at the site.
- Stage Inspection of the material carried out by LESCO.
- Major part of external electrification work done in both the Towns.
- More plantation carried out in both the Towns.



PUNJAB UNIVERSITY LIBRARY

R&D- An Overview

Punjab University Library is the largest library of Pakistan having rich rare material and special collections. A large number of services based on ICT's are being provided to library users. During the above cited period, 11002 new titles were added, 7, 693 new members get registered, nearly 3, 47,415 library visitors visited the library and almost 40,320 books were issued.

IRC section checked and issued the 1150 plagiarism certificates of M.Phil. & Ph.D. theses of various disciplines and 2995 online journal articles sent to the PU faculty members. A monthly newspaper index has continuously being published for last 11 years successfully from Serials section, while in this period its 130 copies have been published and distributed. Serials section subscribed 54 Foreign and 10 Local Journals, while a total of 18 daily newspapers are being received. 14 PU publications/journals were received in the section. 20 new iron almirahs and 1 CD Cabinet were added to manage new books. During the period approximately 50,752 scans of rare material, newspapers and manuscript have been made at Preservation and Conservation section.

Donation of the personal collections of Prof. Muhammad Iqbal Mujaddidi comprising of 206 Rare, contemporary, and unique manuscripts, more than 1000 important Microfilms, Roto- graphs, and Xeroxes of manuscript, 10529 books and 268 titles of research journals/serials were added in the oriental section.

PROJECTS: continued & completed

- Conversion of Microfilms into Digital Form
- Digitalization of Library Accession Registers
- Installation of RF security chips on the books at UN and Serials section
- Data Entry of UN and Serials section
- Up-gradation in library building (interior exterior decoration)
- Provision of more shelves for rapidly increasing collection.
- Collection development of books and subscription of more scholarly journals.
- Preparation of MARC base version of MLIMS library database.

PUBLICATIONS:

Newspaper Index: a monthly publication of newspaper articles. Publisher: Punjab University Library

PARTICIPATION IN SEMINARS | CONFERENCES | WORKSHOPS |

SYMPOSIA | EXHIBITION ETC

- Mr. Syed Saleem Abbas Zaidi, deputy chief librarian and Mr. Kashif Khurshid, senior librarian participated in 2 days HEC training workshop entitled "Cambridge University Press Workshop by Natio" at UMT, Lahore on February 26-27, 2014
- Mr. Kashif Khurshid, Senior Librarian attended five days training workshop entitled "Training on KOHA and DSpace" at Regional Campus Higher Education Commission, Lahore from 24-28 March, 2014.



- Mr. Ch. Muhammad Hanif attended one day HEC training workshop regarding Plagiarism policy and orientation on the use of Turnitin at regional campus, Lahore on June 25, 2014
- Mr. Kashif Khurshid, Senior Librarian attended two days HEC Conference entitled "Academic Integrity and Plagiarism" at Regional Campus Higher Education Commission, Lahore from 5-6 August, 2014

SEMINARS/ CONFERENCES/ REFRESHER COURSES/ ORGANIZED

EXHIBITIONS:

- Visit of honorable ambassador of Uzbekistan on 5 October, 2013
- A lecture on career counseling organized by Career Counseling and Placement Center and Punjab University Library on 30 October, 2013
- days book exhibition and seminar on Iqbal day from 9-11 November, 2013
- Visit of Director Academics HEC on 10 December, 2013
- Two days international conference entitled "Champions of Libraries" jointly organized by Pakistan Library Association (PLA) and Punjab University Library at Law College Auditorium from 16-17 December, 2013
- Farewell party of former chief librarian Ch. Muhammad Hanif in February, 2014
- Visit of national level topper students from different secondary boards on 3 March, 2014
- Visit of members of Parliament Committee on education on 31 March, 2014
- One day training workshop for EndNote and Turnitin software for the researchers and faculty members of Centre for Clinical Psychology on June 20, 2014
- Preservation and Conservation Section arranged one week training for the Bookeye 4 scanner for the staff members of Punjab Public Library on August 29, 2014
- Various Turnitin training sessions for researchers and PU faculty members

STUDENT ACTIVITIES:

- Orientation program is organized annually for newly admitted PU students at the start of every academic year
- 288 hours' Internship Program was organized for the students of Department of Library and Information Sciences, Allama Iqbal Open University, Islamabad from August 4 to September 26, 2014
- 288 hours' Internship Program was organized for the students of Department of Information Management, University of the Punjab, Lahore from August 4 to September 26, 2014
- 288 hours' Internship Program was organized for the students of Department of Library and Information Science, University of the Sargodha, Sargodha from June 25 to August 29, 2014

Faculty Development

- Mr. Muhammad Asif Khan, Deputy Chief Librarian got admission in M.Phil in the Department of Library and Information Science, University of Sargodha, Sargodha
- Mr. Syed Saleem Abbas Zaidi, Deputy Chief Librarian got admission in M.Phil in the



Department of Information Management, University of the Punjab, Lahore

- Mr. Shafiq Ur Rehman got admission in M.Mphil in Sheikh Zayd Islamic Center, University of the Punjab, Lahore

Strengthening Physical Infrastructure

- Induction of Heavy Duty duplex colour scanner model Cannon DR-G-1100 with 1 KVA UPS in Preservation and Conservation section.
- Induction of Epson scanner, printer, photocopier model WF-7510 in Preservation and Conservation section
- Upgraded security camera system has been replaced by the old security cameras
- Installation of new shared drive to users.
- Reconfiguration of the Network Servers (DHCP, DNS, Routing, NAT and Proxy Server)
- Troubleshoot, update library computer machines on daily basis.

STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

DIGITAL LIBRARY:

Preservation and Conservation Section is maintaining a database of Digital Library containing almost 29,491 e-books, articles and software and the collection is expanding day by day. The database can be accessed from library website and full text books, software and audio visuals can be downloaded. Internet Lab is providing Internet access free of cost.

To provide the wireless internet facility in the reading areas of the library, the Wi-Fi technology has been provided by the unit and nearly 36,000 users were connected to internet by this technology. Users can connect to internet via Wi-Fi without any password or IP authentication.

WEB PORTAL:

Library website www.library.pu.edu.pk is serving a huge number of users all over the world. This link helps users to access e-books and e-journals provided by HEC in a great number. The researchers can also access PU Union Catalogue of all departmental libraries from one place. App. 20, 26,375 hits were made by 3, 15,987 unique visitors in the cited period.

REGISTRATION BRANCH

The Registration Branch is an important department of the Registrar's Office in the Punjab University. The Registration Branch is backbone for generating revenue through its vital role. The branch is carrying out a lot of jobs successfully. Out of which the majors are given below:

- To issue admission schedules for admission in all disciplines to affiliated colleges.
- To receive the registration returns from affiliated colleges and to issue the registration cards.
- To enroll the students of M.A/M.Sc, LL.B and other disciplines.
- To register the students giving overseas examination.
- To issue No Objection Certificates.
- To issue Migration Certificates from college to college.
- To process the cases of age relaxation.
- To process the cases of Change in Name.
- Correction in Particulars.
- Issuance of Duplicate Cards.
- To process the cases of Session Gap.



- To hold the University Convocation.
 - To hold the Elections of members on various bodies.
 - To attest the educational documents for study abroad.
 - To process the cases of foreign verification.
 - To issue the letter for medium of instructions.
 - To clear the queries raised by the examinations department.
 - Coordination with other Sections, such as Affiliation, Examinations and Accounts Branch etc.
 - To perform all the duties assigned by the University authorities from time to time.
- **Issuance of Admission Schedules**

The Registration Branch is liable to issue the admission schedule to all the affiliated colleges for admission in various disciplines after declaration of results. This branch issued the admission schedule in August/September, 2013 to 608 affiliated colleges for admission in B.A/B.Sc., B.Com., B.Ed., B.C.S., M.A/M.Sc., LL.B., M.Ed. and MIT etc.
 - **Registration Returns**

The Registration Branch received the registration returns from various affiliated colleges. These returns were processed/evaluated and examined by the concerned staff and was referred to the Computer Section to issue Registration Cards. During the period mentioned above more than 2400 registration returns were received.
 - **Enrollment of the Students**

This branch enrolled the already registered students of LL.B., B.Ed., M.A./M.Sc., M.I.T. and other disciplines by issuing the enrollment lists to affiliated colleges. It is a best tool to check the intake. During this session more than four thousand students were enrolled in 85 Post Graduate 38 Law, 9 IT and 8 Education Colleges. The Registration branch has registered the Overseas Pakistani students taking examination abroad. These students are available in the kingdom of Saudia Arabia, U.A.E. and Belgium. During the year 178 students were registered.
 - **Issuance of No Objection Certificates**

Besides the Registration, Enrollment of the students, the major job of this branch to issue No Objection Certificate to those students who were registered with University of the Punjab and desires to continue studies in any other university. During this period mentioned above this branch issued 27264 migration certificates to the students to proceed for education in other Universities.
 - **Processing of College to College Migration**

Registration Branch issued 133 College to College migration certificates to the students for transfer from one affiliated college to the other.
 - **Processing of age relaxation cases.**

The Registration Branch is extending its useful services to the students who became over age for their admissions. This branch issued the age relaxation letters to all such students. During the year 2013-2014 this branch issued 141 age relaxation letters.
 - **Change in Name**

This branch also deals with the change of name (candidate/Father's Name) cases. The people getting the degree from court of law apply to change their name. After processing the cases more than 269 letters of change in name were issued, during the year 2013-2014.
 - **Correction in Particulars**

If there is mistake in the name, father's name N.I.C No, date of birth, address etc on the registration card that is corrected on the request of student. About 2500 cases of correction in particulars were processed during this year.



- **Duplicate Cards**

The Registration Branch issues Duplicate Registration Cards to the students who have lost the original Registration Card. During this year the Registration Branch has issued 3200 Duplicate Registration Card.
- **Session Gap**

Session gap is allowed to candidates seeking regular admission as prescribed in rules. This branch issues the age relaxation letter to such students who are illegible under the rules. During the year under discussion, this branch issued more than 558 letters.
- **University Convocation**

Convocation is the major event of the Punjab University. This branch has a very important role to hold the Convocation. The 122nd Convocation of the Punjab University was held on 28th December 2013. The Registration Branch performed all the duties to hold this convocation successfully.
- **To attest the educational documents**

The most important job being performed by the Branch is to attest educational documents. The candidates, who apply for admission to study abroad, are required to get their educational documents attested/verified by the Registrar. This branch dealt more than 1279 cases during the year 2013-2014.
- **Cases of foreign verification**

There is a Credential Verification Cell in the branch. Cases are received from International Universities and Educational Institutions on daily basis. This branch is dealing with such cases carefully. Registration Branch expedited 150 cases of verification during the year 2013-2014.
- **Issuance of medium of instruction letter**

In this modern world the Educational Institutions and Universities abroad requires proficiency/medium of instruction letter. The Registration Branch is issuing this letter. During the period under discussion this branch issued this letter to 170 students.
- **Coordination with other sections**

The University has track for a good connection and good performance. This branch coordinates with Examinations and Affiliation Branch.
- **Registration of Expatriate Pakistani Citizens**

Punjab University Registration Branch also registered the overseas students taking examinations in various countries like K.S.A., Dubai etc. During the year this branch registered more than 434 overseas students for this purpose.
- **To perform all the duties assigned by the Punjab University Authorities**

This branch remains ready to perform all the general duties assigned by the University Authorities. The Registration Branch is liable to process the registration / enrollment of the students in all disciplines. The Branch has registered and issued computerized Registration Cards to the students who got admission in the University Teaching Department, Constituent Colleges or affiliated colleges in various disciplines during the year 2013-2014. This Branch registered the private candidates who appeared in B.A./B.Sc., B.Com., M.A/M.Sc. and B.Ed. examination. 608 affiliated colleges were dealt by the Registration Branch by issuing the registration card and enrolment for different disciplines. The detail of Registered Students is attached herewith.



○ College/Enrolment Registration

| Degree | Exam | Female | Male | Total |
|------------|------------|--------|-------|-------|
| ADCP | ADCP | 4 | 1 | 5 |
| B.COM | B.COM | 8410 | 10961 | 19371 |
| B.COM(HON) | B.COM(HON) | 230 | 295 | 525 |
| BA | BA | 0 | 1 | 1 |
| BBA-BFH | BBA-BFH | 31 | 50 | 81 |
| BBA-IRH | BBA-IRH | 28 | 47 | 75 |
| BEd | BEd | 22 | 1 | 23 |
| BS-CS | BS-CS | 23 | 63 | 86 |
| BS-HON4 | BS-HON4 | 1518 | 1341 | 2859 |
| BS-ST5 | BS-ST5 | 49 | 14 | 63 |
| BSC-APG | BSC-APG | 9 | 101 | 110 |
| BSC-CE | BSC-CE | 3 | 29 | 32 |
| BSC-EENG | BSC-EENG | 1 | 6 | 7 |
| BSC-HECO | BSC-HECO | 506 | 0 | 506 |
| BSC-HECO | BSC-HECO | 4 | 0 | 4 |
| BSC-HONS | BSC-HONS | 85 | 22 | 107 |
| BSH-BOT | BSH-BOT | 25 | 0 | 25 |
| BSH-CP | BSH-CP | 28 | 45 | 73 |
| BSH-MTH | BSH-MTH | 24 | 13 | 37 |
| BSHON-HECO | BSHON-HECO | 80 | 0 | 80 |
| DCG | DCG | 3 | 3 | 6 |
| DGR | DGR | 0 | 4 | 4 |
| DIC | DIC | 1 | 8 | 9 |
| DIG | DIG | 1 | 21 | 22 |
| DIH | DIH | 0 | 1 | 1 |
| DIIL | DIIL | 0 | 3 | 3 |
| DIR | DIR | 1 | 2 | 3 |
| DIS | DIS | 1 | 0 | 1 |
| DIT | DIT | 0 | 1 | 1 |
| DPH | DPH | 1 | 3 | 4 |
| DSP | DSP | 1 | 4 | 5 |
| DTD | DTD | 3 | 0 | 3 |
| LL.B | LL.B | 0 | 0 | 0 |
| LL.B | LL.B | 156 | 946 | 1102 |
| LL.B | LL.B | 0 | 0 | 0 |
| MA-AR | MA-AR | 2 | 1 | 3 |



| | | | | |
|-----------|-----------|-----|-----|-----|
| MA-DSS | MA-DSS | 0 | 11 | 11 |
| MA-EDI | MA-EDI | 1 | 1 | 2 |
| MA-EEC | MA-EEC | 4 | 0 | 4 |
| MA-ELL | MA-ELL | 1 | 2 | 3 |
| MA-HST | MA-HST | 4 | 5 | 9 |
| MA-INR | MA-INR | 2 | 5 | 7 |
| MA-ISL | MA-ISL | 7 | 1 | 8 |
| MA-KSH | MA-KSH | 0 | 2 | 2 |
| MA-MSC | MA-MSC | 283 | 166 | 449 |
| MA-MUS | MA-MUS | 0 | 2 | 2 |
| MA-PB | MA-PB | 1 | 1 | 2 |
| MA-PER | MA-PER | 1 | 2 | 3 |
| MA-PSC | MA-PSC | 1 | 6 | 7 |
| MA-SEC | MA-SEC | 1 | 0 | 1 |
| MA-UR | MA-UR | 5 | 7 | 12 |
| MBA-BF | MBA-BF | 6 | 9 | 15 |
| MBA-IR | MBA-IR | 3 | 9 | 12 |
| MBE | MBE | 2 | 0 | 2 |
| MBECO | MBECO | 2 | 0 | 2 |
| MEd | MEd | 2 | 0 | 2 |
| MPHIL | MPHIL | 87 | 37 | 124 |
| MS-BOT | MS-BOT | 3 | 0 | 3 |
| MS-CPS | MS-CPS | 5 | 1 | 6 |
| MS-NAN | MS-NAN | 2 | 4 | 6 |
| MSC-AS | MSC-AS | 2 | 4 | 6 |
| MSC-BCH | MSC-BCH | 6 | 1 | 7 |
| MSC-BOT | MSC-BOT | 10 | 2 | 12 |
| MSC-BSM | MSC-BSM | 1 | 2 | 3 |
| MSC-BSTAT | MSC-BSTAT | 0 | 3 | 3 |
| MSC-CHM | MSC-CHM | 46 | 18 | 64 |
| MSC-DJR | MSC-DJR | 0 | 3 | 3 |
| MSC-GEO | MSC-GEO | 6 | 11 | 17 |
| MSC-GST | MSC-GST | 2 | 3 | 5 |
| MSC-IOM | MSC-IOM | 4 | 5 | 9 |
| MSC-IT | MSC-IT | 6 | 0 | 6 |
| MSC-MCW | MSC-MCW | 0 | 2 | 2 |
| MSC-MMG | MSC-MMG | 5 | 0 | 5 |
| MSC-MTH | MSC-MTH | 30 | 52 | 82 |



| | | | | |
|---------|---------|----|----|----|
| MSC-PHY | MSC-PHY | 20 | 14 | 34 |
| MSC-QPM | MSC-QPM | 0 | 2 | 2 |
| MSC-SSC | MSC-SSC | 1 | 2 | 3 |
| MSC-STS | MSC-STS | 3 | 4 | 7 |
| MSC-SWK | MSC-SWK | 2 | 5 | 7 |
| MSC-THM | MSC-THM | 1 | 4 | 5 |
| MSC-ZOL | MSC-ZOL | 19 | 8 | 27 |
| MTE | MTE | 1 | 0 | 1 |
| PGD-QMT | PGD-QMT | 1 | 3 | 4 |
| PHD | PHD | 14 | 12 | 26 |

○ **Private Registration**

| | | | | |
|--------|--------|-------|-------|-------|
| B.COM | B.COM | 4278 | 4203 | 8481 |
| BA | BA | 24493 | 12895 | 37388 |
| Bed | BEd | 199 | 63 | 262 |
| BSC | BSC | 1969 | 347 | 2316 |
| MA-MSC | MA-MSC | 4081 | 1164 | 5245 |

RESIDENT OFFICER-I

SECURITY, HOUSE ALLOTMENT, HOUSE REQUISITION, SHOPS AND KHOKHAS:-

In order to upgrade the security system of Punjab, CCTV Cameras were installed at prominent sites of Punjab University.

The Security Guards were deputed as per requirements at various occasions when honourable guests/dignitaries visited the Punjab University. Security guards also perform the duties round the clock in three shifts. The mobile squad is also performing duties round the clock. Due to their enhanced performance residents of the colony feel more secure and serene in the Campus.

Necessary arrangements were made to establish admission stall at various departments of Punjab University with the help of Stall Committee of Punjab University.

Houses are being allotted to the teaching and Non-teaching staff in the Residential Colony regularly. The survey of the hired/self house of teaching/non-teaching staff in connection house requisition is also being carried out.

Suits are being allotted to the teachers in the Faisal Hall Hostel No. 10 who are eligible for the allotment.

Rooms are also being allotted to Bachelor Male Teachers at BMT Hostel and Female Teacher Hostel, Punjab University.

12 new teacher's flats have been constructed in the Residential Colony of Punjab University. The construction of 12 new I-type flats is under progress near Shah Di Khoj, Punjab University.

The Rate and Rent Collector has updated all the record of Shops/Khokhas and Cafeteria and the shops are being allotted on open competition basis.



The booking of suites and barracks are being made to the teachers, students and employees of Punjab University as per their entitlement. Moreover, booking are also extended in off season outside university in order to generate maximum revenue for Punjab University.

TRANSPORT WING

1. Repair & Maintenance of Vehicles

During the Year 2013-14 Transport wing has performed following activities in repair and maintenance of buses.

| | |
|---|---------------------|
| a) Major repair | No. of Buses |
| i) Engine overhauling | 09 |
| ii) Complete body repair & a and painting | 03 |
| iii) Floor change | 04 |
| iv) Gate Hydraulic Jack | 38 |
| b) Minor Repair | No. of Buses |
| i) Leave spring repair | 175 |
| ii) Gear box repair | 50 |
| iii) Clutch repair | 50 |
| iv) Radiator repair | 30 |
| v) Injunction pump and automizer | 40 |
| vi) Seat Polish and Bus Body repair | 10 |
| vii) Minor Dentin & Painting | 40 |

c) Increase of store item:

It is pertinent to mention here that availability of sufficient store item minimize the overhead expenditure and improve the efficiency. Keeping in view transport wing purchased maximum spare parts item for store stock. Due to available of rich store, all the vehicles are found in working condition and ever ready for duty.

| Store items | Quantity Available |
|-------------|--------------------|
| Spare Parts | 590 Items |
| Mobil Oil | 33 drum |
| Tyres | 160 Sets |
| Batteries | 28 Nos |

2. Consumption of Diesel

During 2013-14 expenditure of P.O.L is increased due to following reasons:

- 05 side are increased / extended.
- Provision of Bus shuttle service from 7:30 a.m to 8:30 p.m in the university premises.
- During Oct-2013 to Oct-2014 diesel rate rate was increased from RS.110 to RS.117. 40 per liter.
- As per average of vehicle diesel is saved 22, 315 Ltr i.e amount of Rs.26,19,000/-

3. Revenue Receipt of Transport wing

Comparatively Transport wing has increased revenue as follows:

| | | |
|---|------------------------------------|--------------------------------|
| | 2012-13 | 2013-14 (amount in Rs.) |
| Students Regular and Self Supporting Bus Passes | 66,738,613 | 89,321,591 |
| Employees Bus Passes, Bus Booking and Tickets | 8,007,085 | 9,832,127 |
| Total | 74,745,698 | 99,153,718 |
| | Difference Rs. 24,408,020/- | |



As per above statement significant increase i.e. Rs.14.408(M) is showing change in work attitude of Transport wing.

4. Re- appropriation:

Resident officer-1 has well control over expenditure of Transport wing so that saving in different head of accounts could be made and re-appropriated for other objects without demanding of excess budget against following head of accounts:

| Re- appropriation under head | | Amount |
|--------------------------------------|------------------------------------|-----------------|
| From | To | (In Rs) |
| Maintenance of Vehicles | Registration of 3 New Buses | 2,50,000 |
| Maintenance of Vehicles | Repair of Bus Body | 2,00,000 |
| Maintenance of Vehicles | Engine Overhauling of CSO's Car | 1,50,000 |
| Maintenance of Vehicles | Hydraulic jock to all Buses | 2,50,000 |
| Maintenance of Vehicles | Fitness of all Buses and Token Tax | 50,000 |
| Total Re- appropriated Amount | | 9,00,000 |