

Annual Report 2014-15



University of the Punjab
Lahore – Pakistan

UNIVERSITY OF THE PUNJAB

Annual Report 2014-2015

ANNUAL REPORT COMMITTEE

- | | | |
|-----|---|-----------|
| 1. | Prof. Dr. Liaqat Ali
Registrar | Chairman |
| 2. | Prof. Dr. Abid Hussain Ch.
Chairman, Department of Secondary Education (IER) | Member |
| 3. | Prof. Dr. Aamir Ijaz
Director,
Institute of Chemical Engineering & Technology | Member |
| 4. | Prof. Dr. Muhammad Kamran
Chairman, Department of Urdu | Member |
| 5. | Dr. Syed Amer Mahmood
Chairman, Department of Space Science | Member |
| 6. | Dr. Humera Afrasiab
Assistant Professor, Department of Botany | Member |
| 7. | Ms. Ayesha Barque
Assistant Professor, Department of English Language & Literature | Member |
| 8. | Mr. Khurram Shahzad
Public Relations Officer | Member |
| 9. | Mr. Amjad Pervaiz
Director, Department of Press & Publications | Member |
| 10. | Mr. Imran Siddique Kaukab
Deputy Registrar HR | Secretary |

Prepared by: HUMAN RESOURCE BRANCH

University of the Punjab, Lahore (Pakistan).

LIST OF CONTENTS

○ INTRODUCTION	i
○ CHAPTER 1: ACADEMIC ACTIVITIES	
⊙ Faculty of Arts & Humanities	
▪ Centre for South Asian Studies	2
▪ College of Art & Design	3
▪ Department of Archaeology	6
▪ Department of English Language & Literature	7
▪ Department of History & Pakistan Studies	7
▪ Department of Literary History	8
▪ Research Society of Pakistan	8
▪ Department of Philosophy	9
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	9
▪ Department of Political Science	10
▪ Department of Social Work	10
▪ Institute of Communication Studies	11
▪ Institute of Social & Cultural Studies	12
⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	13
▪ Hailey College of Commerce	14
⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	15
▪ Department of Information Management	16
▪ Institute of Administrative Sciences	16
▪ Institute of Business Administration	17
▪ Institute of Business & Information Technology	18
⊙ Faculty of Education	
▪ Department of Special Education	19
▪ Institute of Education & Research	20
⊙ Faculty of Engineering & Technology	
▪ Centre for Coal Technology	21
▪ Department of Polymer Engineering Technology	21
▪ Department of Metallurgy & Materials Engineering	21
▪ Department of Textile Engineering & Technology	22
▪ Institute of Chemical Engineering & Technology	23
▪ Department of Electrical Engineering	25
▪ Institute of Quality & Technology Management	25
▪ Office of Research, Innovation & Commercialization	26
⊙ Faculty of Islamic Studies	
▪ Department of Islamic Studies	31
▪ Department of Urdu Encyclopedia of Islam	32
▪ Sheikh Zayed Islamic Centre	32

⊙ Faculty of Law	
▪ University Law College	33
⊙ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	33
▪ Centre of Excellence In Molecular Biology	36
▪ Department of Botany	38
▪ Department of Microbiology & Molecular Genetics	39
▪ Department of Sports Sciences & Physical Education	43
▪ Department of Zoology	43
▪ Institute of Agricultural Sciences	48
▪ Institute of Applied Psychology	51
▪ Institute of Biochemistry & Biotechnology	59
▪ School of Biological Sciences	61
⊙ Faculty of Oriental Learning	
▪ Department of Arabic	62
▪ Department of Hindi Language	63
▪ Department of Iqbal Studies	63
▪ Department of Kashmiryat	63
▪ Department of Persian	64
▪ Department of Punjabi	66
▪ Department of Urdu	66
▪ University Oriental College	68
▪ Urdu Development Committee	68
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	69
⊙ Faculty of Sciences	
▪ Centre for Excellence in Solid State Physics	70
▪ Centre for High Energy Physics	72
▪ Centre for Integrated & Mountain Research	72
▪ Centre for Undergraduate Studies	73
▪ College of Earth & Environmental Sciences	74
▪ College of Statistical & Actuarial Sciences	75
▪ Department of Geography	76
▪ Department of Mathematics	76
▪ Department of Physics	77
▪ Department of Space Science	78
▪ Institute of Chemistry	78
▪ Institute of Geology	79
▪ Punjab University College of Information Technology	80
▪ Centre for Geographical Information System (GIS)	81
▪ School of Physical Sciences	81
⊙ Punjab University Gujranwala Campus	82
⊙ Punjab University Jhelum Campus	82

○ CHAPTER 2: RESEARCH AND DEVELOPMENT

○ Faculty of Arts & Humanities	
▪ Centre for South Asian Studies	84
▪ College of Art & Design	86
▪ Department of Archaeology	91
▪ Department of English Language & Literature	91
▪ Department of Philosophy	93
▪ Department of History and Pakistan Studies	94
▪ Department of Literary History	96
▪ Research Society of Pakistan	96
○ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	97
▪ Department of Political Science	97
▪ Department of Social Work	104
▪ Institute of Communication Studies	104
▪ Institute of Social & Cultural Studies	108
○ Faculty of Commerce	
▪ Hailey College of Banking & Finance	111
▪ Hailey College of Commerce	116
○ Faculty of Economics & Management Sciences	
▪ Department of Economics	119
▪ Department of Information Management	121
▪ Institute of Administrative Sciences	125
▪ Institute of Business Administration	127
○ Faculty of Education	
▪ Department of Special Education	129
▪ Institute of Education & Research	146
○ Faculty of Engineering & Technology	
▪ Centre for Coal Technology	154
▪ Department of Polymer Engineering Technology	157
▪ Department of Textile Engineering & Technology	160
▪ Institute of Chemical Engineering & Technology	162
▪ Institute of Quality & Technology Management	167
▪ Department of Electrical Engineering	168
▪ Department of Metallurgy & Materials Engineering	168
○ Faculty of Islamic Studies	
▪ Department of Islamic Studies	173
▪ Department of Urdu Encyclopedia of Islam	175
▪ Sheikh Zayed Islamic Centre	175
○ Faculty of Law	
▪ University Law College	178
○ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	179
▪ Centre of Excellence In Molecular Biology	183

▪ Department of Zoology	198
▪ Department of Botany	221
▪ Department of Microbiology & Molecular Genetics	230
▪ Institute of Agricultural Sciences	256
▪ Institute of Applied Psychology	278
▪ Institute of Biochemistry & Biotechnology	292
▪ Department of Sports Sciences & Physical Education	298
⊙ Faculty of Oriental Learning	
▪ Department of Arabic	299
▪ Department of Persian	301
▪ Department of Kashmiryat	303
▪ Department of Punjabi	305
▪ Department of Chair Iqbal Studies	307
▪ Department of Urdu	308
▪ University Oriental College	313
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	314
⊙ Faculty of Sciences	
▪ Centre for Excellence in Solid State Physics	317
▪ Centre for High Energy Physics	325
▪ Center for Integrated & Mountain Research	328
▪ Centre for Undergraduate Studies	336
▪ College of Earth & Environmental Sciences	343
▪ College of Statistical & Actuarial Sciences	357
▪ Department of Geography	358
▪ Department of Mathematics	359
▪ Department of Physics	369
▪ Department of Space Science	371
▪ Institute of Chemistry	375
▪ Institute of Geology	389
▪ Punjab University College of Information Technology	398
▪ Centre for Geographical Information System (GIS)	400
▪ School of Biological Sciences	401
▪ School of Physical Sciences	406
⊙ Punjab University Gujranwala Campus	409
⊙ Punjab University Jhelum Campus	411

○ **CHAPTER 3: QUALITY ASSURANCE**

⊙ Quality Enhancement Cell	413
⊙ Faculty of Arts & Humanities	
▪ Department of Literary History	421
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Political Science	421
▪ Institute of Communication Studies	422

⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	422
⊙ Faculty of Economics & Management Sciences	
▪ Institute of Business Administration	423
▪ Institute of Administrative Sciences	423
▪ Department of Information Management	423
⊙ Faculty of Education	
▪ Department of Special Education	424
⊙ Faculty of Engineering & Technology	
▪ Institute of Chemical Engineering & Technology	424
▪ Institute of Quality & Technology Management	424
▪ Department of Electrical Engineering	424
⊙ Faculty of Oriental Learning	
▪ Department of Hindi	424
⊙ Faculty of Life Sciences	
▪ Department of Microbiology & Molecular Genetics	425
▪ Department of Zoology	427
▪ Institute of Applied Psychology	429
▪ Institute of Agricultural Sciences	431
⊙ Faculty of Sciences	
▪ Centre for Integrated Mountain Research	433
▪ College of Statistical & Actuarial Sciences	435
▪ Department of Physics	435
▪ Department of Space Science	435
▪ Punjab University College of Information Technology	436
▪ College of Earth & Environmental Sciences	436

○ **CHAPTER 4: FACULTY DEVELOPMENT**

⊙ Faculty of Arts & Humanities	
▪ Department of Archaeology	438
▪ Department of History & Pakistan Studies	438
▪ Department of English Language & Literature	438
▪ Department of Philosophy	438
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	439
▪ Department of Political Science	439
▪ Department of Social Work	439
▪ Institute of Communication Studies	440
▪ Institute of Social & Cultural Studies	440
⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	440
▪ Hailey College of Commerce	441
⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	441

▪ Department of Information Management	441
▪ Institute of Administrative Sciences	442
▪ Institute of Business Administration	444
▪ Institute of Business & Information Technology	444
⊙ Faculty of Education	
▪ Institute of Education & Research	445
⊙ Faculty of Engineering & Technology	
▪ Institute of Chemical Engineering & Technology	445
▪ Institute of Quality & Technology Management	445
▪ Department of Metallurgy & Materials Engineering	446
▪ Department of Electrical Engineering	446
⊙ Faculty of Islamic Studies	
▪ Department of Islamic Studies	446
▪ Department of Urdu Encyclopedia of Islam	446
▪ Sheikh Zayed Islamic Centre	447
⊙ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	447
▪ Centre of Excellence In Molecular Biology	447
▪ Department of Zoology	450
▪ Department of Botany	455
▪ Department of Microbiology & Molecular Genetics	455
▪ Department of Sports Sciences & Physical Education	456
▪ Institute of Agricultural Sciences	457
▪ Institute of Applied Psychology	457
▪ School of Biological Sciences	457
⊙ Faculty of Oriental Learning	
▪ Department of Persian	457
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	458
⊙ Faculty of Sciences	
▪ Centre for High Energy Physics	458
▪ Centre for Integrated & Mountain Research	458
▪ College of Earth & Environmental Sciences	459
▪ College of Statistical & Actuarial Sciences	459
▪ Department of Geography	459
▪ Department of Mathematics	460
▪ Department of Physics	460
▪ Department of Space Science	460
▪ Institute of Chemistry	460
▪ Institute of Geology	461
▪ Punjab University College of Information Technology	461
⊙ Punjab University Gujranwala Campus	462

○ **CHAPTER 5: ACCESS**

○ Faculty of Arts & Humanities	
▪ Centre for South Asian Studies	464
▪ College of Art & Design	464
▪ Department of Archaeology	465
▪ Department of English Language & Literature	466
▪ Department of History & Pak. Studies	466
▪ Department of Philosophy	467
○ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	467
▪ Department of Political Science	468
▪ Department of Social Work	469
▪ Institute of Communication Studies	470
▪ Institute of Social & Cultural Studies	471
○ Faculty of Commerce	
▪ Hailey College of Banking & Finance	473
▪ Hailey College of Commerce	475
○ Faculty of Economics & Management Sciences	
▪ Department of Economics	476
▪ Department of Information Management	478
▪ Institute of Administrative Sciences	478
▪ Institute of Business Administration	479
○ Faculty of Education	
▪ Department of Special Education	480
▪ Institute of Education & Research	481
○ Faculty of Engineering & Technology	
▪ Centre for Coal Technology	482
▪ Department of Polymer Engineering & Technology	482
▪ Institute of Chemical Engineering & Technology	482
▪ Institute of Quality & Technology Management	483
▪ Department of Metallurgy & Materials Engineering	484
▪ Department of Electrical Engineering	485
○ Faculty of Islamic Studies	
▪ Department of Islamic Studies	485
▪ Sheikh Zayed Islamic Centre	486
○ Faculty of Law	
▪ University Law College	487
○ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	487
▪ Centre of Excellence In Molecular Biology	488
▪ Department of Zoology	488
▪ Department of Botany	489
▪ Department of Microbiology & Molecular Genetics	490

▪ Department of Sports Science & Physical Education	491
▪ Institute of Applied Psychology	492
▪ Institute of Biochemistry & Biotechnology	493
▪ School of Biological Sciences	494
⊙ Faculty of Oriental Learning	
▪ Department of Arabic	495
▪ Department of Kashmiryat	495
▪ Department of Persian	495
▪ Department of Hindi	496
▪ Department of Punjabi	496
▪ Department of Urdu	496
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	497
⊙ Faculty of Sciences	
▪ Centre for Excellence in Solid State Physics	499
▪ Centre for High Energy Physics	499
▪ Centre for Integrated & Mountain Research	500
▪ Centre for Undergraduate Studies	501
▪ College of Statistical & Actuarial Sciences	501
▪ Department of Geography	503
▪ Department of Mathematics	504
▪ Department of Physics	504
▪ Department of Space Science	505
▪ Institute of Chemistry	506
▪ Institute of Geology	507
▪ Punjab University College of Information Technology	508
▪ Centre for Geographical Information System (GIS)	510
▪ College of Earth & Environmental Sciences	510
▪ School of Physical Sciences	511
⊙ Punjab University Gujranwala Campus	511
⊙ Punjab University Jhelum Campus	512

○ CHAPTER 6: UNIVERSITY BUILDING ECONOMIES

⊙ Faculty of Arts & Humanities	
▪ College of Art & Design	514
▪ Department of English Language & Literature	514
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	514
▪ Institute of Communication Studies	515
▪ Institute of Social & Cultural Studies	515
⊙ Faculty of Commerce	
▪ Hailey College of Commerce	515
▪ Hailey College of Banking & Finance	515

⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	516
▪ Institute of Administrative Sciences	516
▪ Institute of Business & Information Technology	518
▪ Institute of Business Administration	518
▪ Department of Information Management	520
⊙ Faculty of Engineering & Technology	
▪ Centre for Coal Technology	520
▪ Department of Polymer Engineering & Technology	520
▪ Institute of Chemical Engineering & Technology	520
▪ Institute of Quality & Technology Management	521
▪ Department of Metallurgy & Materials Engineering	522
▪ Department of Electrical Engineering	524
⊙ Faculty of Islamic Studies	
▪ Sheikh Zayed Islamic Center	524
⊙ Faculty of Law	
▪ University Law College	524
⊙ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	525
▪ Centre of Excellence In Molecular Biology	526
▪ Department of Zoology	527
▪ Department of Botany	527
▪ Department of Microbiology & Molecular Genetics	527
▪ Institute of Agricultural Sciences	528
▪ Institute of Applied Psychology	529
⊙ Faculty of Oriental Learning	
▪ Department of Kashmiryat	533
▪ Department of Persian	533
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	533
⊙ Faculty of Sciences	
▪ Center for Integrated Mountain Research	533
▪ College of Statistical & Actuarial Sciences	534
▪ Department of Mathematics	534
▪ Department of Physics	534
▪ Department of Space Science	534
▪ Institute of Chemistry	534
▪ Institute of Geology	535
▪ Punjab University College of Information Technology	535
▪ Centre for Geographical Information System (GIS)	536
▪ College of Earth & Environmental Sciences	536
▪ School of Physical Sciences	537
⊙ Punjab University Jhelum Campus	537

○ CHAPTER 7: STRENGTHENING PHYSICAL INFRASTRUCTURE

○ Faculty of Arts & Humanities	
▪ College of Art & Design	539
▪ Department of Archaeology	539
▪ Department of English Language & Literature	539
▪ Department of Philosophy	539
▪ Department of History & Pakistan Studies	539
○ Faculty of Behavioral & Social Sciences	
▪ Institute of Communication Studies	540
▪ Institute of Social & Cultural Studies	540
▪ Department of Social Work	540
○ Faculty of Commerce	
▪ Hailey College of Banking & Finance	540
▪ Hailey College of Commerce	541
○ Faculty of Economics & Management Sciences	
▪ Department of Economics	541
▪ Department of Information Management	541
▪ Institute of Administrative Sciences	542
▪ Institute of Business Administration	542
▪ Institute of Business & Information Technology	543
○ Faculty of Education	
▪ Institute of Education & Research	543
▪ Department of Special Education	543
○ Faculty of Engineering & Technology	
▪ Department of Textile Engineering & Technology	543
▪ Institute of Chemical Engineering & Technology	544
▪ Institute of Quality & Technology Management	544
▪ Department of Metallurgy & Materials Engineering	545
▪ Department of Electrical Engineering	545
○ Faculty of Islamic Studies	
▪ Department of Islamic Studies	545
▪ Sheikh Zayed Islamic Centre	545
○ Faculty of Life Sciences	
▪ Department of Zoology	546
▪ Department of Botany	546
▪ Department of Microbiology & Molecular Genetics	546
▪ Department of Sports Science & Physical Education	548
▪ Institute of Applied Psychology	548
▪ Institute of Biochemistry & Biotechnology	549
▪ School of Biological Sciences	549
○ Faculty of Oriental Learning	
▪ Department of Urdu	551

▪ Department of Kashmiryat	551
▪ Department of Punjabi	552
▪ University Oriental College	552
⊙ Faculty of Pharmacy	
▪ University College of Pharmacy	552
⊙ Faculty of Sciences	
▪ Centre for Excellence in Solid State Physics	553
▪ Centre for Integrated & Mountain Research	553
▪ Centre for Undergraduate Studies	553
▪ College of Earth & Environmental Sciences	554
▪ College of Statistical & Actuarial Sciences	554
▪ Department of Geography	555
▪ Department of Mathematics	555
▪ Department of Physics	555
▪ Institute of Chemistry	555
▪ Institute of Geology.....	555
▪ Punjab University College of Information Technology	555
▪ School of Physical Sciences	556
⊙ Punjab University Jhelum Campus	557

○ **CHAPTER 8: STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE**

⊙ Faculty of Arts & Humanities	
▪ Centre for South Asian Studies	559
▪ Department of English Language & Literature	559
▪ Department of Philosophy	559
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	559
▪ Institute of Social & Cultural Studies	559
▪ Department of Social Work	560
⊙ Faculty of Commerce	
▪ Hailey College Banking & Fiannace	560
⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	560
▪ Department of Information Management	560
▪ Institute of Business Administration	560
⊙ Faculty of Law	
▪ University Law College	561
⊙ Faculty of Education	
▪ Institute of Education & Research	561
⊙ Faculty of Engineering & Technology	
▪ Department of Textile Engineering & Technology	561
▪ Institute of Chemical Engineering & Technology	561
▪ Institute of Quality & Technology Management	562

⊙ Faculty of Islamic Studies	
▪ Department of Islamic Studies	562
⊙ Faculty of Oriental Learning	
▪ Department of Hindi	562
⊙ Faculty of Life Sciences	
▪ Centre for Clinical Psychology	562
▪ Centre of Excellence In Molecular Biology	562
▪ Department of Zoology	563
▪ Department of Botony	563
▪ Department of Microbiology & Molecular Genetics	563
▪ Institute of Applied Psychology	563
▪ Institute of Biochemistry & Biotechnology	564
⊙ Faculty of Sciences	
▪ Centre for High Energy Physics	564
▪ Department of Mathematics	564
▪ Centre for Intergrated Mountain Research	564
▪ Centre for Undergraduate Studies	565
▪ College of Statistical & Actuarial Sciences	565
▪ Department of Geography	565
▪ Department of Physics	565
▪ Punjab University College of Information Technology	566
▪ College of Earth & Environmental Sciences	566
▪ School of Physical Sciences	566
⊙ Punjab University Gujranwala Campus	567
⊙ Jhelum Campus	567

○ **CHAPTER 9: UNIVERSITY BUILDING COMMUNITIES**

⊙ Faculty of Arts & Humanities	
▪ Centre for South Asian Studies	569
▪ Department of Archaeology	569
▪ Department of English Language & Literature	569
▪ Department of History & Pak. Studies	569
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	569
▪ Institute of Communication Studies	570
▪ Institute of Social & Cultural Studies	570
▪ Department of Social Work	570
⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	570
⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	571
▪ Department of Information Management	571
▪ Institute of Business Administration	572

⊙ Faculty of Engineering & Technology	
▪ Centre for Coal Technology	572
▪ Institute of Chemical Engineering & Technology	572
▪ Institute of Quality & Technology Management	573
▪ Department of Electrical Engineering	573
▪ Department of Metallurgy & Materials Engineering	573
⊙ Faculty of Islamic Studies	
▪ Department of Islamic Studies	573
⊙ Faculty of Life Sciences	
▪ Centre of Excellence In Molecular Biology	573
▪ Department of Microbiology & Molecular Genetics	574
▪ Department of Zoology	578
▪ Department of Sports Sciences & Physical Education	578
▪ Institute of Agricultural Sciences	578
▪ Institute of Applied Psychology	579
⊙ Faculty of Oriental Learning	
▪ Department of Kashmiryat	579
▪ Department of Persian	579
▪ Department of Urdu	579
⊙ Faculty of Sciences	
▪ Integrated Mountain Research	580
▪ Centre for Geographical Information System (GIS)	580
▪ Center for Under Graduate Studies	581
▪ College of Statistical & Actuarial Sciences	581
▪ Department of Geography	581
▪ Institute of Chemistry	581
▪ Institute of Geology	581
▪ College of Earth & Environmental Sciences	582
⊙ Punjab University Jhelum Campus	582

○ CHAPTER 10: SPORTS

⊙ Department of Sports (Women)	584
⊙ Department of Sports (Men)	593
⊙ Faculty of Behavioural & Social Sciences	
▪ Institute of Social & Cultural Studies	601
⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	601
⊙ Faculty of Islamic Studies	
▪ Sheikh Zayed Islamic Centre	602
⊙ Faculty of Economics & Management Sciences	
▪ Department of Economics	602
▪ Institute of Business & Information Technology	602
▪ Department of Information Management	602

⊙ Faculty of Life Sciences	
▪ Centre of Excellence In Molecular Biology	602
▪ Institute of Applied Psychology	602
▪ Department of Zoology	603
▪ Centre for Clinical Psychology	603
⊙ Faculty of Sciences	
▪ Institute of Chemistry	603
▪ Department of Geography	604
▪ Punjab University College of Information Technology	604
▪ Centre for Intergrated Mountain Research	604
⊙ Faculty of Engineering & Technology	
▪ Institute of Chemical Engineering & Technology	604
⊙ Faculty of Oriental Learning	
▪ University Oriental College	605
⊙ Punjab University Jhelum Campus	605

○ **CHAPTER 11: UNIVERSITY BUILDING LEADERSHIP**

⊙ Faculty of Arts & Humanities	
▪ Department of English Language & Literature	607
⊙ Faculty of Behavioral & Social Sciences	
▪ Department of Gender Studies	607
▪ Department of Social Work	607
⊙ Faculty of Commerce	
▪ Hailey College of Banking & Finance	611
⊙ Faculty of Economics & Management Sciences	
▪ Department of Information Management	612
⊙ Faculty of Engineering & Technology	
▪ Department of Textile Engineering & Technology	612
▪ Institute of Chemical Engineering & Technology	612
⊙ Faculty of Sciences	
▪ Institute of Chemistry	613
▪ Department of Geography	613
▪ School of Physical Sciences	613
▪ Centre for Intergrated Mountain Research	613
⊙ Faculty of Life Sciences	
▪ Department of Microbiology Molecular Genetics	614
⊙ Directorate of Student Affairs	618

○ **CHAPTER 12: FINANCE**

⊙ Treasurer Office (Accounts Branch)	621
--	-----

○ **CHAPTER 13: UNIVERSITY GOVERNANCE**

⊙ Administration	626
⊙ Meetings of Various Bodies of the University	631

○ CHAPTER 14: OFFICE OF RESOURCE GENERATION/DEVELOPMENT	
○ Planning & Development Wing	634
○ CHAPTER 15: HEALTH CENTRE & MEDICAL FACILITIES	
○ Medical Facilities Available	667
○ Counseling & Assessment Services	668
○ CHAPTER 16: FACILITES OF THE UNIVERSITY AND IMPROVEMENTS	
○ Human Resources Branch	670
○ Affiliation Branch	671
○ Department of Examinations	695
○ Department of Press & Publication	700
○ Department of Public Relations	705
○ Directorate of External Linkages	706
○ Information Technology Centre	711
○ Legal Cell	726
○ Chief Engineer Office	727
○ Punjab University Library	728
○ Registration Branch	731
○ Resident Officer-I	738
○ Transport Wing	741
○ Estate Office	745
○ Resident Officer-II	744
○ Department of Mosques	745
○ Hall Council	747
○ Career Counseling & Placement Centre	748



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 1829 permanent and contract faculty members involved in teaching/research and over 38058 on campus students. Annually the University conducts about 305 exams for more than 500,000 students.



Professor Dr. Mujahid Kamran
Vice Chancellor



MESSAGE

I am pleased to witness the culmination of another successful year of the University of the Punjab. During the period of this report, the University has shown notable progress on all fronts, especially in academics. The research output is on the increase and Punjab University spent over Rs. 97.403m on research from its own earnings during 2014-15. The examination system has improved, the faculty at the University strengthened, and the number of scholarships has been substantially increased. The Advanced Studies & Research Board has been activated to strengthen the Ph.D Programme. The Academic Council has also been revived. The painstaking efforts of the faculty members in research and teaching have contributed in large measure to this success. Providing affordable quality education along with character development of each student is a corner stone of our policy.

The University conducted more than 305 exams and awarded 110676 degrees during this period. The University's income increased 4.92% as compared to the previous year's budget contributing 63% to the total income. The results of almost all masters examinations held under annual system in 2014 were declared in 2014, 123rd convocation was held on October, 2015.

For the first time in PU history, the full-time faculty strength crossed the landmark number of 1000. The PhD to non-PhD teacher ratio has also increased by almost 15% for regular faculty members since 2008, jumping from 29% for regular faculty members at the end of 2007 to 53.71% in 2015. PhD production has suddenly risen from an average of 41 per annum during 1990-2007 to 144.70 per annum during the period 2008 to 2015. In 2012 the Punjab University produced 206 PhDs, becoming the first ever university in the history of Pakistan to produce more than 200 PhDs in one year. The percentage of MS/MPhil and PhD students at the University has increased from 5.66% in 2011 to 15% in 2015.

I would like to thank the honorable Chancellor and the honorable Chief Minister for their patronage and support.

All faculty members and administrative staff have made untiring efforts to contributing towards the exemplary progress made by the University. They deserve my whole-hearted appreciation. The Members/Secretary of the Annual Report Committee are to be commended for compiling this document.

This year the Annual Report has been prepared in accordance with the template provided by the Higher Education Commission.

Professor Dr. Mujahid Kamran
Vice Chancellor



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****Introduction**

The Faculty of Arts & Humanities comprises of eight teaching departments/ Institutes/Centres/Colleges many of which date back to pre-Independence, for example, History (1930), and Arts & Design (1940). The rest of the ten disciplines, namely, Archaeology, English Language & Literature, French, German, Italian, Philosophy, Russian, Spanish, Centre for South Asian Studies and Centre for Pakistan Studies, however, were established after Independence. A few departments run B.A (Hon's), M.Phil. and Ph.D programmes, and other departments plan to follow suit. In the last few years replica, self-supporting programmes offering diplomas and master degrees have also been introduced in certain departments. The faculty is justifiably proud of having produced eminent scholars, social scientists and researchers of repute. Periodically national and international conferences are held.

An internationally recognized Journal of Research (Humanities) is published biannually. In addition, many departments, such as the Departments of English Language & Literature, Philosophy, and History, publish research journals in their own specialized fields, some of which have international recognition. The academic and research expertise and facilities currently available in the various departments of the faculty cater not only to the needs of students but also contribute significantly to the fields of liberal arts, humanities and social sciences.

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 (**for the year 2014-15 in text**)

Degree	Total No of Scholars enrolled in 2014-2015
M. Phil	19
Ph. D	7

- Academic Achievements (**for the year 2014-15**)

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	Javaria Jahangir	2015
2	Ejaz Ahmad	2015
3	Nighat Noreen	2015
4	Sadat Farooq Zahid	2014
5	Naheeda Khatoon	2014
6	Maliha Shamim	2014
7	Touqir Ahmad	2014
8	Rubina Kaukab	2014

COLLEGE OF ART & DESIGN

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

Fax Number (s): +92-042-99212779

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

1. PhD (Art History and Studio Practice)
2. M. Phil
3. MS
4. MFA (Painting, Sculpture, Graphic Arts, Graphic Design, Textile Design)
5. M. Arch.
6. MA (Painting and Music)
7. BFA (Painting, Sculpture, Graphic Arts, Graphic Design, Textile Design)
8. B Arch
9. Professional Diploma (Fine Arts, Graphic Design, Textile Design)
10. Postgraduate Diploma in Interior Design

- **Academic Achievements:**

PhD. Degrees Awarded:

1. Ms. Ayesha Siddiqui was awarded PhD Degree in Studio Practice after public defence of her thesis. The topic of her research was “ Evolution of Geometric Forms in Western and Pakistani Painting: An introvert Artist’s Perspective.” Her Research Supervisor was Prof. Dr. Murtaza Jaffri and Co-Supervisor was Prof. Dr. Shahida Manzoor.
2. Ms. Samina Zaheer was awarded PhD Degree in Studio Practice after public defence of her thesis. Her Thesis topic was “The impact of Indigenous and Transcultural Influence on Contemporary Fine Art Practice in Pakistan. Her Research Supervisor was Prof. Dr. Murtaza Jaffri and Co-Supervisor was Prof. Dr. Shaukat Mehmood.
3. Ms. Anbrin Zafar was awarded PhD Degree in Studio Practice after public defence of her thesis. Her Research Topic was “Irony as a relevant device of expression in contemporary fine arts practice. Her Research Supervisor was Prof. Dr. Murtaza Jaffri and Co-Supervisor was Prof. Dr. Shahida Manzoor.



4. Ms. Shazia Mukhtar was awarded PhD Degree in Art History after public defence of her thesis. Her research topic was "Anna Molka Ahmad: A chronological and critical analysis of her art. Her Research Supervisor was Prof. Dr. Shaukat Mahmood.

M. Phil Degrees Awarded:

1. Ms Alia Hadi Ali a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Ornamentation in Royal Female Hammām at Mā'i Jindān Haveli
2. Ms Sadia Qutub Hashmi a M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shahida Manzoor. The topic of her thesis was "Women and Bird Imagery in Pakistani Art".
3. Ms Anila Ghulam Hussain a 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 "Symbolic Representation of Self with Space".
4. Ms Mahrukh Khan a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Rahat Naveed Masud. The topic of her thesis was "Detailed Study of Chamba Rumals in the Collection of Lahore Museum".
5. Ms Kinza Riaz Munir a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Frescoes in Lahore Mosques: A Focus on Sunehri Masjid".
6. Ms Warda Amjad a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Study of the Dying Craft of Multan: Darri and Khais Making".
7. Ms Adeela Masud a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Dr. Rahat Naveed Masud. The topic of her thesis was "Idea of Institutionalization of Art in Lahore".
8. Ms Atya Sadiq a MS in Art History candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Conceptual Art in Pakistan".
9. Ms Naureen Kamran a M.Phil candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Jharoka in Mughal Miniature Painting".
10. Ms Kiran Khalid a M.Phil. candidate was declared successful. Her thesis was completed under the supervision of Prof. Dr. Shaukat Mahmood. The topic of her thesis was "Architecture of Haveli Muhammad Hussain Shah: Rajoa, Chiniot".
11. 41 M.Phil, 9 PhD students are enrolled this year in the Research Centre. All the students are actively engaged in their course work.
12. Research Topics have been assigned by the DDPC in Art & Design to 21 M.Phil and 5 MS in Art History candidates for the session 2013-15.

Events Organized:

1. 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.



2. 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.
3. 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.
4. 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.
5. A Seminar on “History of Graphic Design Posters” held on 10.9.2014 at the Research Centre of UCAD. Ms. Ayesha Siddiqi from Lahore College for Women University, Lahore was the Guest Speaker.
6. 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.
7. 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.

Academic Achievements of Faculty Members:

1. **Dr. Ahmad Bilal**
 - a. Paper presented in LFM conference.
 - b. Attended THAAP conference 2015.
 - c. Conducted a workshop film making for students.
 - d. Organized a theoretical presented for APS event Punjab University 17 Dec, 2015.
2. **Dr. Sumera Jawad:**
 - a. A painting exhibition at Ejaz Art Gallery on June 9, 2015.
3. **Mr. Arif Khan:**
 - a. A Calligraphy Painting Exhibition in Occasion Art Gallery on May 28, 2015.
4. **Israr Hussain Chishti**
 - a. Organized “Tribute to Shahnawaz Zaidi”, Old Campus.
 - b. Attended “Thaap” Conference 2015.
 - c. Organized APS event in Faisal Auditorium, 17 December, 2015.
 - d. Organized Musical Event in Faisal Auditorium, 6 September, 2015.
5. **Kahkashan Jafri**
 - a. Attended 3 days Lahore Literary Festival.
 - b. Attended 3 days international Faiz Festival organized by the Faiz Ahmed Faiz Foundation.
 - c. Attended various lectures arrange by the College by different artists on subjects related to arts.



- d. Attended presentations by Ph.D scholars on completion of their thesis.
- 6. Mohammad Atif Amir**
 - a. Attended a lecture “Art/Culture and Identity”. By Mr. Umair Khan.
 - b. Attended a lecture by Ms. Faiza on “Mysticis”.
 - c. Attended lecture by Ms. Shazly Khan.
- 7. Habib Alam**
 - a. Attended a lecture of Ms Shazly Khan (Painter) PURAF.
 - b. Attended a lecture on Art/Culture and identity. By Umair Giani.
 - c. Seminar on “Artist’s knowledge and practice”. How to strike a Balance”. By Dr. Khaleeq-ur-Rahman. CAD.
 - d. Artist talk on work in progress by Ms. Saba Khan. CAD.
- 8. Khalifa Ahmed Muiz**
 - a. Paper presented at IAPEx 2014, Peshawar.
 - b. Attended lecture by Masood Ali Khan on “new perspective of Professional life.
 - c. Attended lecture by Mr. Israr Aneer on “Global Warming & its consequences”.
 - d. Attended lecture by Ms. Halena Cermenova Media villa on “A comparative study of Urban Governance in Amnatsar & Lahore”.
- 9. Anila Zulfiqar**
 - a. Attended group painting exhibitions held in Lahore.
 - b. Group painting exhibition at Coopera Art gallery Lahore.
 - c. Artists association paintings exhibition at Al Hamra Art Gallery Lahore.
- 10. Rakae Rehman Jamil**
 - a. Participated as a moderate at the Khayal Festival with Madam Tahira Syed and Zohair Kazi.
 - b. Presented a lecture demonstration on music therapy. At a psychology workshop at CUMS.
 - c. Gave a workshop on music and Mgal at Olumupold media.
- 11. Mamoonah Rahim**
 - a. Lecture attended 10-11-2015, Mystical significance of point.
 - b. Lecture attended 25-11-2015 post modernism theory of deconstruction by Amina Ejaz at College of Art & Design.
- 12. Beenish Tahir**
 - a. “Nukta” Calligraphy painting Exhibition By Arif Khan.
- 13. Syed Farjood Ailya Rizvi**
 - a. Iqbal’s day at New Campus on 09-11-2015 (Seminar).
 - b. Seminar on Art, Culture & Identity by Umer Gilani.

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 programme)
- MS and PhD Programmes



M. Phil Programme (2-years programme)

- Academic Achievements

20 students have passed during Annual examination of M.A. Archaeology (Session 2013-15)

14 students have completed their course work of M.Phil Archaeology Programme (2014-16)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Telephone (s): +92-42-99231168

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

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

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

Farrah Fatima, a Ph.D. scholar of the department complete her thesis titled **The Integration of Verbal and Non-verbal Codes in Girish Karnad's Plays**

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

Telephone (s): +92-42-99231170

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

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

Undergraduate and postgraduate Programs

Four Programs of Undergraduate & Postgraduate Level are running in the Department:

1. M.A History (Semester System)
2. M.A Pakistan Studies (Semester System)
3. M.Phil in History (semester system)
4. Ph.D in history (semester system)

- Foreign Linkages with German Hamburg University Department of History



DEPARTMENT OF LITERARY HISTORY

Telephone (s): 0300-8408474

E-mail address (s): ad.lithist@gmail.com

Introduction

The implementation committee for the Literary History of the Muslims of Indo-Pakistan was revived in July 2008.

Dr. Kh. Muhammad Zakariya was appointed the director of the department and was assigned the job to revise and modify the multi volume History of the Muslims of the Indo-Pakistan sub-Continent. Since 2008 upto the year under review six volumes have been revised, rewritten and printed.

Academic Activities

Non teaching research department.

RESEARCH SOCIETY OF PAKISTAN

Telephone (s): +92-42-99231176

PUBLICATIONS

Research Journal	(i)	Published in January to June 2014
	(ii)	July to December 2014
	(iii)	January to June 2015

UNDER PRINT JOURNAL

- (i) July to December 2015

PUBLICATION of BOOKS

Books Under Print

- (1) Socio-Economic Cooperation between India and Pakistan
Challenges and Prospects

Number of Books in the Library

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

Number of Publication

Titled of Books so far books published by the Research Society of Pakistan 112 Books.



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 **(for the year 2014-15 in text)**
BS (4-Years) Philosophy and M.A. Philosophy
- MS and PhD Programmes **(for the year 2014-15 in text)**
M.Phil in Philosophy and Ph.D

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

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

Fax Number (s): 042-35952993

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

- Undergraduate and Postgraduate Programmes
 - M.Sc Gender Studies
 - 2 years Master Program
 - No. of seats: 50
 - 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

1.1 Undergraduate and Postgraduate Programs

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

1.2 MS and Ph.D. Programs

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

DEPARTMENT OF SOCIAL WORK

Telephone (s): +92-42-99231553

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

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

1. Academic Activates

In the reporting period, the Department is offering M.Sc. Social Work Programme in Morning and Replica classes and MPhil and PhD Programmes in Regular classes.

- Department has linkages with the following organizations.

AT NATIONAL AND INTERNATIONAL LEVEL:

1. Child Protection & Welfare Bureau, Govt. of the Punjab
2. Directorate General of Labour Welfare, Govt. of the Punjab
3. Ministry of Law, Justice and Human Rights, Govt. of Pakistan
4. Gender Reform Action Plan (GRAP)
5. Directorate of Special Education



6. Social Protection & Zakat-o-Usher Department, Govt. of the Punjab (Social Welfare, Women Development & Bait-ul-Maal)
7. Community World Services (CWS)
8. AGAHE
9. UNICEF
10. PLAN PAKISTAN
11. Punjab Trust for welfare of disabled (PTWD) Govt. of the Punjab.
12. SPO (Strengthening Participatory Organization)

INSTITUTE OF COMMUNICATION STUDIES

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

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

Undergraduate and Postgraduate Programmes

BS 4 Year program:

The Institute offers BS (4 Years) Program in Communication Studies.

PGD Program:

The Institute also offers Post Graduate Diploma Courses in following areas.

- PGD in Development Support Communication
- PGD in Multi Media Production Arts
- PGD in Television Communication & Production
- PGD in Photo Journalism

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



Academic Achievements:

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

Foreign Academic Linkages:

Honors and Awards:

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

Institutional Linkages:

- The Institute of Communication Studies has linkages with various Television Channels, Newspapers, Public Relation Departments and Advertising Agencies.
- Institute of Communication Studies signed a Memorandum of Understanding (MoU) with Walled City of Lahore Authority in 2015.

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**

- (i) BS (4 years) Sociology & Sociocultural Studies (Regular)
- (ii) BS (4 years) Sociology & Sociocultural Studies (Replica/Self-Supporting)
- (iii) MSc Sociology (Regular)
- (iv) MSc Sociology (Replica Self-Supporting)
- (v) M.Sc Development Studies (Regular)
- (vi) M.Sc Development Studies (Replica Self-Supporting)
- (vii) MSc Population Sciences (MPS) (Afternoon/Self-Supporting)
- (viii) MSc Criminology & Security Studies (Evening/Self-Supporting)

○ **M.Phil. and PhD Programmes**

- (i) M.Phil Sociology (Regular)
- (ii) M.Phil Sociology (Replica)
- (iii) M.Phil Education Policy & Development (Regular)
- (iv) M.Phil Education Policy & Development (Replica)
- (v) M.Phil Public Health (Evening)
- (vi) Ph.D Sociology
- (vii) 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. In continuation of this liaison ISCS has initiated PhD in Public Health in 2015.



- **Foreign Academic Linkages**
 - Linkages with Belfield University, Germany
 - Student Exchange with University of Erfurt, Germany during summer 2014.
- **Honors and Awards**
 - Prof. Dr. M. Zakria Zakar**
 - Received the “Pride of Performance Award” from the President of Pakistan on Aug, 14 2015.
 - HEC Best Teacher’s Award 2014.
- **Institutional Linkages**
 - National Centre for Resettlement and Rehabilitation in Collaboration with World Bank.
 - Centre for Peace and Security Studies
 - Sughra Begum Center for Educational Policy & Development in collaboration with PEP Foundation in New York, USA.
 - Day Care Centre with the collaboration of Women Development Department. Government of Punjab.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

Telephone (s): +92-42-99213791-93
Fax Number (s): +92-42-99213796
E-mail Address (s): principal@puhcbf@pu.edu.pk

Contents: As prescribed.

VC / Report Message: Vice-Chancellor to contribute.

Executive Summary: May be prepared on overall basis by the University of the Punjab.

About the University: University of the Punjab, Lahore, Pakistan

1.1

Undergraduate and Post-Graduate Programs:

Undergraduate Programs:

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

a) Banking & Finance b) Insurance & Risk Management



Postgraduate Programs:

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

b) Banking & Finance b) Insurance & Risk Management

1.2

MS and Ph. D Programs:

MS / MBA Programs to students after their **BBA (Hons.)** Program in the following disciplines:

a) Banking & Finance b) Insurance & Risk Management

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

1.3

Academic Achievements:

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

1.4

Foreign Academic Linkages:

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

1.5

Institutional Linkages:

We have strong Institutional Linkage with Lahore Insurance Institute (LII), Lahore. They are facilitating us in curriculum development and providing faculty for teaching. We are also in liaison with Banking & Financial Institutions Asset Management Companies, Lahore Stock Exchange and Forex Companies for imparting practical aspects.

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

1.1. 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)
M.Phil (Semester System)
Ph.D (Semester System)

1 ½ years Programme after 16 years schooling
In Commerce
In Commerce

1.3 Academic Achievement

NBEAC 2013-2105

1.6 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

1.1 Undergraduate and Postgraduate Programs

1.1 M.Sc. Economics (Morning)

1.2 M.Sc. Economics (Replica)

1.3 Master in Business Economics (MBEcon)

1.4 Post Graduate Diploma in Applied Economics (PGDAE)

o M.Phil and PhD Programs

- M.Phil Economics (Morning)

- M.Phil Economics (Self Supporting)

- Ph.D. Economics

o 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 (Self-Supporting Program) has been started from the session 2014-2015. The faculty has published Eleven 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 five which is first time in the history of the University of the Punjab. The Department started M. Phil. Program in 2004. During the session 2014-15, fifty six (56) students have completed their course work and are now working on their theses. Besides, sixty (60) students have been admitted to M. Phil. Morning and Self supporting programs for the session 2015-17. Presently all programs of the Department are under semester system. During the year 2014-15, one hundred and two (102) books were purchased. The Department received 25 journals under exchange program. Presently, the Department is offering seven programs under which 599 students are enrolled.

DEPARTMENT OF INFORMATION MANAGEMENT

Telephone (s): +92-42-99231224

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

- Undergraduate and Postgraduate Programs

There is a morning and replica Masters in Information Management (MIM) program. During October 01, 2014 to September 30, 2015, fifty seven students got their Master's degree.

- MS and PhD Programs

The Department also offers M.Phil. and PhD programs. Seven students got M.Phil degree.

- Institutional Linkages

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

INSTITUTE OF ADMINISTRATIVE SCIENCES

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

Fax Number (s): Nil

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

DETAILS ABOUT ACADEMIC ACTIVITIES

1. 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 five permanent members.

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

- BS in Management (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 2 M. Phil, 297 MBA (1.5) Years, 4718 MBAs, 633 BBAs, 1159 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
2	MBA 1.5 Years (Morning)	229	39	268
3	MBA 1.5 Years (Afternoon) (presently not offered)	29	-	29
4	MBA (Morning) (presently not offered)	2452	-	2452
5	MBA (Evening)	2163	103	2266
6	BBA Hons (Morning)	247	49	296
7	BBA Hons (Afternoon)	293	44	337
8	PGD (Evening)	1113	46	1159
9	ABM (Evening) (presently not offered)	9	-	9

Number of permanent/contract faculty members

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

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

Telephone (s): +92-42-99230825-6
 Fax Number (s): +92(42)99230557
 E-mail Address (s): director@ibitpu.edu.pk
 Web Site: www.ibitpu.edu.pk

1.2 Overview of the Institute

The Institute is running two programs BBIT (Hon.) and MBIT (via BBIT). IBIT has 935 students enrolled out of which 792 are in BBIT-Hon. and 143 in MBIT via BBIT programs. There were 4148 books in the departmental library on 30-09-2015, along with 201 MBIT Thesis and 982



Internship reports. The institute is using maximum modern facilities such as computer hardware and software, internet, and multimedia equipment. There are 16 regular full time faculty members working in IBIT during the academic year 2014-15. The detail of enrolled students in Fall Semester 2015 is given below:-



INSTITUTE OF BUSINESS AND INFORMATION TECHNOLOGY
University of the Punjab
Total Students

Semester: F15

Program: BBIT(Hons.)

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

Program: MBIT via BBIT

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

1. BBIT (Hon.) degree consists of 130 credit hours. It is 4 years full time study program
3. 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 courses 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

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

- Master in Special Education is being run.
- M.Phil in Special Education is being run.



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

INSTITUTE OF EDUCATION & RESEARCH

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

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

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

○ Academic Activities

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 01-10-2014 to 30-09-2015. During this period 821 students were enrolled in Bachelor degree programmes, 1424 students were enrolled in all master degree programs and 208



students in M.Phil. During this period 721 completed their Master Degrees and 4 students were awarded Ph.D Degree. In this period 500 books and 5 Foreign Research Journals were added in the library. There are total 43 faculty members teaching in the IER.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

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

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

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

i) Postgraduate Programmes: M.Sc. Coal Technology (Regular Morning Programme)

ii) 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

- MS and PhD Programmes (for the year 2014-15 in text)
M.Phil Polymer Technology, Ph.D Polymer Technology.-----
- Academic Achievements (for the year 2014-15)
Successful in time completion of degree programmes providing state of art education about the field. -----
- Institutional Linkages
Working collaboration with:
Comsats Lahore
Government College University Faisalabad
National University of Science & Technology Islamabad
Lahore University of Management Sciences
National Textile University Faisalabad

Department of Metallurgy and Materials Engineering

Telephone (s): +92-042-99231094

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

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

1.1 Undergraduate and Postgraduate Programmes:

During 2014-15 academic period, the Department of Metallurgy & Materials Engineering enrolled 41 and 31 students in B.Sc.(Engg.) Metallurgy & Materials Engineering Regular and Self-Supporting programmes, respectively.



1.2 MS and PhD Programmes:

During 2014-15 academic period, the Department of Metallurgy & Materials Engineering enrolled 20 students in M.Sc. (Engg.) Metallurgy & Materials Engineering and 15 students in Ph.D. (Engg.) Metallurgy & Materials Engineering programme.

1.6 Institutional Linkages:

1. University of Engineering and Technology (UET), Lahore
2. Institute of Chemical Engineering and Technology, University of the Punjab Lahore
3. Solid State Physics, University of the Punjab, Lahore
4. Forman Christian College, Lahore
5. Government College University, Lahore

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

Telephone (s): 042-99230569-70

Fax Number (s): 042-99230571

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

Note: The Department of Textile Engineering and Technology was upgraded in 2009 from the Textile Processing Technology Division of Institute of Chemical Engineering and Technology after approval from the Academic Council and the Syndicate. In Lahore, the University of the Punjab is the only public sector university with programs in textiles.

Since its inception, the Department of Textile Engineering and Technology has progressed substantially. The department purchased several pieces of vital equipment (see para 7) and about 408 books and monographs by spending Rs 16.5 million. Rs. 9.8 million are spent on civil works to construct a purpose-built building. The financial support was secured from the Higher Education Commission of Pakistan for the purpose of development and strengthening of the textile engineering education and research at the University. The unfinished building of the department is being completed with the great efforts of Prof. Dr. Tahir Jamil Chairman, Department of Polymer and Textile Engineering & Technology with funding from the university & saving from the evening programs of Polymer Engineering & Technology.

The department has designed the following academic programs for the students and got approval from the relevant bodies of the University:

M.Sc (Engg.)Textile Engineering (2-year)

One Year Diploma in Textile merchandising

One Year Diploma in Textile Testing and Quality Control

One Year Diploma in Denim Manufacturing

PGD Textile Processing Technology (1-year)



Certificate Courses (3-month)

B.Sc (Engg) Textile Engineering (4-year) (under process of curriculum development; this program is not being approved)

Being optimistic about the future funding, the Department also plans to offer M.Sc (Engg.)Textile Engineering program in the forth coming mean stream admissions of the Punjab University.

- Undergraduate and Postgraduate Programmes **(for the year 2014-15 in text)**

M.Sc (Engg.) Textile Engineering (approved)

Undergraduate programs (under process)

- Institutional Linkages

A Memorandum of Understanding (MoU) is signed between the University and Textile Testing International (TTI) on 13.10.2010.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

Telephone (s): +92-42-99230462

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

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

1.1 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.

1.2 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

1.3 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 2nd International Conference on Engineering Sciences on 2-3rd December, 2015 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.

1.4 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.

1.5 Honours and Awards

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

Prof. Dr. Aamir Ijaz was awarded at Innovation to Invention Summit on the project research on "Insect Repellent".

1.6 Institutional Linkages

The Institute has a strong linkage with the industry, public and private sector institutions including SNGPL, PCSIR Laboratories, Atomic Energy Commission, PSQCA, National University of Sciences and Technology (NUST) Islamabad, NFC IET, NFC IFR, University of Engineering & Technology (UET) Lahore to share existing facilities.

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

Department of Electrical Engineering

Telephone (s): +92-042-99231094

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

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

1.1 Programmes: B.Sc. Electrical Engineering

1.2 MS and PhD Programmes: M.Sc. Electrical Engineering (Admission in process)

1.3 Foreign Academic Linkages: Electropsell (UK) and University of Glasgow

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

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

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

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

1.1 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.

1.2 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

❖ Establishment of ORIC

- Research Office was established at University of the Punjab from Five years ago. As per advice and the directive of the Worthy Vice Chancellor; at present, Research Office has now been renamed as "Office of Research Innovation & Commercialization (ORIC), with effect from March 2010. 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

- The purpose of 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.

❖ Objectives of ORIC

ORIC has self-adopted its mandate to seek to enhance the environment for all research activities and scholarship schemes by:-

- Developing the university's strategic research directions and policies.
- Increasing and diversifying external research funding.
- Improving integration of research and education at all levels of the university.
- Improving translation of research into the public benefit.
- Strengthening university-industry relationships.
- Promoting entrepreneurship, technology-transfer and commercialization activities that energize and support the local and national economy.

- Promoting and enhancing cross-cutting and multi-disciplinary research initiatives while working out incentives and awards' schemes for world class research and publications.
- To critically enhance research activities in P.U.'s Institutes / Colleges / Departments and also to protect intellectual property generated as a consequence of research activities

❖ Activities



4th Two days Invention to Innovation Summit held on 4th-5th March 2015

ORIC is promoting 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.

1- Training Workshops

- ORIC has conducted a training workshop on “ERP industrial implementation using SAP” 16 week courses for Information Technology and Business students / Executives at the Centre for Undergraduate Studies, University of the Punjab, Lahore on 17th April 2015.
- ORIC has conducted “1st Workshop on Entrepreneurship & Writing a Winning Business Plan” for the students of Faculty of Engineering & Technology held in the Institute of Chemical Engineering & Technology (ICET) on 1st September, 2015



2- Invention to Innovation Summit

- ORIC successfully organized 4th Invention to Innovation Summit 4th -5th March 2015 at Center for Undergraduate Studies and exhibition in main corridor of University of the Punjab, Lahore



3- Business Incubation Centre (BIC)

A BIC has established in 2014 under the umbrella of ORIC Three Business Incubates are working under ORIC-PU MoUs and sharing their income with University of the Punjab, Lahore. (<http://www.pu.edu.pk/oric/MOUs.html>)



4- Showcase for University Products

A showcase for the display of products / projects developed by faculty members / researchers is available

(http://www.pu.edu.pk/oric/oric_rproduct.html)



5- 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

Telephone (s): +92-42-99231232

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

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

Academic Activities

- Postgraduate Programmes (**for the year 2014-15**)
M.A. Islamic Studies Programmes is running successfully in the department.
- M.Phil and PhD Programmes (**for the year 2014-15**)
M.Phil & Ph.D. Programmes in Islamic Studies are successfully running in the department.



- Honours and Awards ((for the year 2014-15 in text)

National Research Awards January 2014 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

1.3: Academic Achievements:

Dr. Hafsa Nasreen (Senior Editor/ Assistant Professor)

Completed the research Project (2014-15) entitled "A Response to "Which Koran" by Ibn Warraq"

1.5: Honours and Awards:

1- **Dr. Hafsa Nasreen** (Senior Editor/ Assistant Professor)

Won 1st Prize in National Annual Seerah Article competition 2014-15. Paper entitled:

"مروجہ جمہوری سیاسی نظام کا جائزہ - تعلیمات نبوی کی روشنی میں"

2- **Dr. Hafiz Saadullah** (Editor/ Lecturer)

Won 1st Prize in Punjab in Annual Seerah Article Competition 2014-15. Paper entitled:

"مروجہ جمہوری سیاسی نظام کا جائزہ - تعلیمات نبوی کی روشنی میں"

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

Introduction

Sheikh Zayed Islamic Centre is on the way to rapid advancements in its academic and administrative spheres. Three degree programmes i.e. B.S. (four years) Islamic Studies, M.Phil. Islamic studies and Ph.D. Islamic Studies are being run by the Centre. At M.Phil. level, research projects are allotted keeping in view the current issues in the field of Islamic Studies. Sheikh Zayed Islamic Centre has its own library with 13207 books which contains primary sources of Quranic Sciences, Hadith, Fiqh and Islamic History. Sheikh Zayed Islamic Centre has a well-established computer lab. with 45 PCs and a Language Lab. with capacity of 30 seats. The Cultural Advisor of UAE had announced a sponsorship scheme to send two employees of Sheikh Zayed Islamic Centre for Hajj every year. Fourteen employees have got the privilege to perform Hajj under this scheme.

Academic Activities

- **Undergraduate and Postgraduate Programmes**

1) BS Islamic Studies

136 students were admitted in BS Islamic Studies during the session 2014-2015 and 104 students passed out.

2) M.Phil. Islamic Studies

21 students were admitted in M.Phil. Islamic Studies in the year 2014-15 and 11 students were passed out in the same session.



3) Ph.D. Islamic Studies

12 students took admission in Ph.D. Islamic Studies during the year 2014-15 and 8 Ph.D. scholars managed to get the degree of Ph.D Islamic Studies in the year 2014-15.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

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

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

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

- Undergraduate and Postgraduate Programmes (**For the year 2014-15**)
B.A.LL.B.(Hons.), LL.B. 3 Years, D.T.L., D.LL., DIPL, DEL, DBL, DITL, DCLP
- MS and Ph.D Programmes (**For the year 2014-15**) **LL.M. Ph.D.**
- Institutional Linkages
 - i) District Bar Council,
 - ii) High Court Bar,
 - iii) Court Bar,
 - iv) Punjab Judicial Academy
 - v) Trade Development Authority
 - vi) Punjab Environment Department
 - vii) Sociology Department (P.U.)

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

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

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

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

Title

University of the Punjab is the oldest and biggest University of Pakistan and one of the top ranked general universities in Pakistan according to the Higher Education Commission (HEC) ranking of the Pakistani universities. It has five campuses including Allama Iqbal Campus, Quaid-e-Azam Campus, Gujranwala Campus, Khanuspur Campus and Jhelum Campus. Centre for Clinical Psychology is situated in Quaid-e-Azam Campus alongside the beautiful bank of the Lahore canal. It is regarded as one of the Prestigious and Esteemed Institutions in Pakistan for teaching and training the students in the field of Clinical Psychology. The graduates of the Centre are serving across the country and abroad in different walks of life due to its academic excellence, rigorous and individualized clinical supervision, professional approach and research. Centre for Clinical Psychology will soon be moving to its new building with state of art Class Rooms, Computer Labs and laboratories. Initially only a Post Masters Diploma i.e., Advanced Diploma in Clinical Psychology (ADCP), first ever clinical training program in the country was offered. Gradually,



Centre for Clinical Psychology has introduced BS-4 years, MS and PhD programs. Admission to these programs is highly competitive as each academic year, a vast number of applications are received from all over the country reflecting Centre for Clinical Psychology being the top priority Institution for training in Clinical Psychology

Contents

The Centre for Clinical Psychology has a very conducive training and learning environment which helps in raising standard of Clinical Training and Research. The Centre aims at:

- Training students in Psychological Assessment, Diagnosis and Treatment of the people having Psychological Problems.
- Engaging in high level Teaching, Training and Research.
- Preparing the students to serve in a variety of fields such as Education, Hospitals, Research, Armed Forces and NGOs.
- Providing treatment and assessment services at affordable cost
- Conducting publishing researches related to the field of Clinical Psychology
- Organizing Conferences, Seminars, and Workshops for the development of Teaching, Training and Research

Centre for Clinical Psychology envisages prominence in teaching and training of psychology at academically marked levels; excellence in research pertaining to issues that are culturally vital and internationally significant. The Centre intends to initiate activities that address other similar organizations, both nationally as well as internationally. Consistent faculty enhancement and capacity grooming remains core of its planning every year.

VC / Rector Message

Mental health is an important domain of an individual's health and in this era of socioeconomic instability and terrorism, the level of stress and related psychological problems are increasing day by day hence the role of clinical psychologists becomes very crucial. It gives me immense pleasure that Centre for Clinical Psychology, University of the Punjab is providing quality training to its trainees in the area of assessment, management and treatment of psychological problems. The faculty is not only educating and training the students to deal with psychological problems of their patients but also inculcating in them the emotional maturity and sense of responsibility.

The in-depth knowledge of dynamics of Psychology strengthens personality of the trainees, helps them in self regulation and equip them with latest diagnostic and therapeutic techniques. The extensive clinical training at Centre for Clinical Psychology provides is commendable. Especially the practical exposure trainees get at internship in different teaching hospitals of Lahore is worth appreciating. The high class facilities in the form of Computer Labs, Experimental Lab, Testing Room and up to date Library facilitate students in their academic work. I am certain that the students taking admission here will greatly benefit from the expertise of trained faculty and State of Art Lab facilities available at the Centre. I share with pride that the Centre is soon moving to its new premises and I wish to the students, faculty and staff the very best with new beginning at the new premises!

ABOUT THE CENTRE FOR CLINICAL PSYCHOLOGY

Centre for Clinical Psychology was established by Prof. Dr. Rafia Hassan (Chairperson, Department of Applied Psychology) in 1984 in response to the need felt by the then president of Pakistan for an institution for the training of Clinical Psychologists. Eminent professionals



including Prof. Dr. Rafia Hassan (the founding Director), Prof. Dr. Najma Najam (Vice chancellor, KIU), Prof. Dr. Hamid sheikh, and Prof. Dr. Nosheen K. Rahman had been the Directors of the Centre for Clinical Psychology. In the beginning, the Centre offered only Advanced Diploma in Clinical Psychology (ADCP) but since 1998, it has added other programs i.e. BS-4 years, MS and Ph.D. and a self-supporting program of ADCP (Replica). In addition, community mental health projects, assessment and treatment facilities for common public are also provided by the Centre. a successful training and educational program for children with special needs has been run by the CCP since 1999. Centre for Clinical Psychology is known for its outstanding training in Clinical Psychology. The students are given individualized attention and they are guided at every stage throughout their academic career. An intensive training is provided to the students in Psychological Assessment, Diagnosis and treatment employing various Modalities and Psychotherapeutic Interventions. The Centre has established linkages and collaborations with different hospitals and organizations in order to provide quality training to its students. The CCP has produced ethically and professionally sound Clinical Psychologists who are serving in diverse settings across the globe

Academic Activities

- 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: 22 students completed their degree
 - MS Programme in Clinical Psychology: 14 students completed their degree
 - Advanced Diploma in Clinical Psychology: 21 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
 - Lahore General Hospital
 - 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

EXECUTIVE SUMMARY

In continuation of previous year progress report, this report gives the concise information and figures of all the progress made in the financial year 2014-2015 in Centre of Excellence in Molecular Biology, University of the Punjab. The dedication and hard work of the faculty members and the students helped to achieve many new findings in different research domains of the CEMB like stem cells, plant genomics, plant biotechnology, hereditary diseases, applied and functional genomics, biopharmaceuticals, forensic, molecular virology and bioinformatics group. CEMB has built an excellent reputation as world class research institute and produced quality scientists and 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.

Pakistan being an agricultural country, our main focus is to develop transgenic plants having different traits against insects (Chewing and Sucking) and herbicide. Engineering abiotic stress tolerance in agriculturally important crops, Protein and DNA based detection of transgenic crops, biosafety effects of transgenic crops on animals (Hen, Rats and earthworms) and develop transgenic cotton plants having different traits. Scientists from Plant section were successful in developing transgenic cotton against insects, CLCuV and weedicides by incorporation of six different traits in local cotton varieties. They have developed multi-transgenic potato resistant against cold storage sweetening, fungal diseases, frost and viral diseases. Four (4) genes transgenic hybrid corn was developed and tested in the contained field conditions. Three (3) genes transgenic sugarcane was developed and tested in the contained field conditions. Edible vaccine against New Castle disease virus through transformation of F and HN genes in maize was also carried out. To cope the drought transgenic cotton plants containing Universal Stress Protein (USP) gene were made tolerant against drought stress. The contained field trial of cotton plants containing drought tolerant gene Zinc Finger Transcription Factor (GaZnF) and salt tolerant gene GaPGR5 was conducted. Molecular and biochemical characterization of cotton epicuticular wax in defense against CLCuV disease was also carried out during the reporting year.

Medical molecular biology is one of the major research programs at the CEMB and includes regenerative medicine (stem cell group) for the repair of damaged organs, molecular studies on hearing and vision impairment. Stem cell modulation strategies (using various growth factors, antioxidants, cytoprotective and therapeutic drugs, and scaffolds) aimed at improving stem cells functionality were investigated. The genetic diseases group during the reporting period found mutations in two genes MARVELD2 and NARS2 causing hearing impairment. Ten families were found linked to reported genes/loci (DFNB2, DFNB3, DFNB4 and DFNB12/USH1D). Five common SNP's were identified in GJB2 gene of DFNB1 locus.



Two missense mutations were reported in AIMP1 gene in a family segregating autosomal recessive intellectual disability. Two families were linked with reported autosomal intellectual disability loci. Applied and Functional genomics and medical virology group is engaged in developing better therapeutics targets against HCV. The correlation of HCV genotype 3a infection with abnormal activation of Wnt signaling was identified. They established correlation between IL28B polymorphisms and susceptibility to HCV infection with response to the therapy of IFN and ribavirin in Pakistani chronic HCV infection patients. miRNA profiling was done for biomarker development in HCV patients with and without cirrhosis and hepatocellular carcinomas. Biopharmaceutical group was successful in taking high level expression and one step purification of human recombinant consensus interferon (rh-cIFN). They have also provided QC/toxicity tests facility of bioproducts to pharma industry. Forensic research group developed a new STR multiplex system for the analysis of degraded and non-degraded biological evidences simultaneously.

The scientists working in different fields published **45** research articles with impact factor of 57.332 in 2014 and in 2015 published **79** research articles with impact factor of 95.17, in national and international Journals. Collaborative projects at national and international levels are developed during the year, like Wilmer institute John Hopkins, Human Genetics Radford University, agricultural research service Baltimore, Korean Bioinformatics Centre, etc. This year the number of enrolled M.Phil and Ph.D students was increased. Fifty six students were enrolled out of which 40 were M.Phil and 16 were in Ph.D. The Faculty was also encouraged for higher studies. A total of 12 faculty members are currently enrolled in Ph.D, and 3 are enrolled in M. Phil.

One new project was achieved. The previous projects are also in progress for research and development.

ACADEMIC ACTIVITIES

1.2: MS and Ph.D Programs?

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

1.3: Academic Achievements?

Degrees have been awarded to thirty six M. Phil and Eleven Ph.D students. Thirty eight faculty members are engaged in research and teaching activities.

1.4: Foreign Academic Linkages?

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

1.5: Honours and Awards?

- Ms. Huma Shako M. Phil scholar session 2014-16 has been awarded Erasmus Mundus fellowship 2015.
- Invention to innovation award in March 2015 for insect resistant cotton from University of the Punjab Lahore.



- Invention to innovation award in Nov 2015 for CEMB Klean cotton from University of Haripur.
- Dr. Tayyab Husnain and Dr Ahmad Ali Shahid won the PCST Research Productivity Award.

1.6: 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,

1. University of Veterinary and Animal Science, Lahore
2. University of Lahore
3. Kinnared College Lahore
4. Lahore College for Women University
5. University of health Sciences
6. AllamaIqbal Medical College (AIMC)/Jinnah Hospital, Avicenna Medical College/Hospital, Lahore.
7. LRBT Hospital Lahore.
8. Agriculture University Faisalabad
9. Bahawalpur Islamia University
10. Gomal University Dera Ismail Khan
11. National Institute for Biotechnology and Genetic Engineering (NIBGE)
12. Institute of Agricultural Sciences (IAGS)
13. Collaborative research programs involving exchanges and resource sharing: Wilmer Eye Institute, Johns Hopkins University, Maryland, USA.
14. National Institute of Health, Rockville, USA
15. Department of Human Genetics, Radboud University Nijmegen Medical, Netherland
16. Agricultural Research Service, USDA, Baltimore Ave, Beltsville, MD USA
17. International Center for Chemical and Biological Sciences (ICCBS) University of Karachi
18. Korean Bioinformatics Center
19. South Korea; Personal Genomics Institute,
20. South Korea and Genome Research Foundation, Korea
21. 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 (for the year 2014-15 in text)**

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 29 seats for BS Program and 42 seats for Master Program. BS and M.Sc Programs are being run under semester system.



o **MS, M.Phil and PhD Programmes (for the year 2014-15 in text)**

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

o **Academic Achievements (for the year 2014-15)**

The following sessions were completed during the said period:

1. BS Session (2011-15) 2. M.Sc. Session (2013-15)
2. MS Session (2013-15) 4. M.Phil Session (2013-15)
5. Ph.D. (Degree awarded to 08 scholars)

o **Foreign Academic Linkages**

1. **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.

o **Institutional Linkages**

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

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

Telephone (s): +92-42-35952833

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

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

Academic Activities

- o Undergraduate and Postgraduate Programmes
- o Number of students enrolled during this period BS and MSc

Class	Male	Female	Total
B.S. Session (2014-18)	10	115	125
M.Sc. Session (2014-16)	2	62	64

- o MS and PhD Programmes

- o Number of students enrolled in MS MPhil and PhD

Class	Male	Female	Total
M.S. (2014-16)	08	16	24
M.Phil. (2014-16)	04	20	24
Ph.D.(2014-19)	29	41	70



- o Academic Achievements

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

Class	Male	Female	Total
B.S. Session (2011-2015)	01	18	19
M.Sc. Session (2013-15)	01	28	29

- o Number of students completed their MS MPhil and PhD

Class	Male	Female	Total
M.S. Session (2013-15)	03	06	09
M.Phil. Session (2013-15)	02	05	07
Ph.D.	01	05	06

- Foreign Academic Linkages

- o TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
- o 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.
- o Dr. Hubert Kalbacher, Eberhard Karls University, Tübingen, Germany. International Collaborator for NRPU research project and PSF project and Co-authored two review articles and one research article with Dr. Nousheen Zehra Zaidi.
- o 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.
- o Dr. Nazia Jamil Develop collaboration for PHA research with Dr. Nehal I. Abu-Lail, Associate Professor and Associate Director, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, 118 Dana Hall Spokane Street, Pullman, WA 99164-2710, USA. Phone: 509-335-4961.
- o Research Collaboration between Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia and Department of Microbiology and Molecular Genetics, Punjab University

- Honours and awards

1. Hasnain Javed, Syeda Samar Mustafa, Hafiza Jawairia Hashmi, Nazia Jamil. 2014 is awarded 2ND Prize on Research Poster Presentation. Genotypes and drug resistance pattern of Mycobacterium tuberculosis strains in Pakistan One day Symposium organized by Microbiology & Molecular Genetics, University of the Punjab, Pakistan on Emerging Issues of Multidrug Resistance: A Threat to the Globe, 2nd October 2014.
2. Dr Saba Riaz is awarded Best Poster Award. Presented a poster on "DNase I gene and Type 2 Diabetes mellitus: A family study" in a symposium "Emerging issues of Multidrug Resistance: A threat to the globe" on 2nd October, 2014.



3. Dr Saba Riaz is awarded Best Poster Award. Presented a poster on “Mutational analysis of DNase I gene in Diabetic patients” in a First Joint PAP/RCPATH/AMP conference on Molecular Pathology Lahore from 24-26 November, 2014.
 4. Dr. Imran Sajid is awarded ASMCUE for attended ASMCUE-2015 for Leadership Program for International Microbiology Educators Organized by American Society for Microbiology (ASM), on 28-31 May, 2015 at Austin, Texas, USA.
 5. Dr Nosheen Zahra Zaidi is awarded Visiting Researcher Fellowship at Eberhard Karls University, Tübingen, Germany, awarded by DAAD Re-Invitation Programme for Former Scholarship Holders 2015.
 6. Dr Nosheen Zahra Zaidi is awarded Research Productivity Award 2015. Awarded by Pakistan Council for Science and Technology.
 7. Naima Khan, Rida Batool, Nazia Jamil is 2ND Prize on Research Poster Presentation. 2015. Effect of Zinc Solubilizing Bacteria on Growth of Zea mays and Penicillium miliaceum Plants. In 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015.
 8. Dr Saba Riaz is awarded Best Poster Award. Participated by student presentation: 10th Biennial International Conference of Pakistan Society of Microbiology. Antibiotic Susceptibility Profile and Horizontal Gene Transfer in Pseudomonas sp. isolated from Clinical Specimens. March 25-28, 2015.
 9. **Dr. Zaigham Abbas** is awarded **Best Poster Award** Participated by student presentation: 10th Biennial International Conference of Pakistan Society of Immunology; Prevalence and protein profiling of common allergenic food extracts of Pakistan.
 10. 1st, 2nd and 3rd prize to the students of MMG on Thematic poster presentation In 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, **2015**
 11. Best Model award to the students of MMG In 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, **2015**
 12. Medical Microbiology and Infectious diseases society of Pakistan (MMIDSP) and Higher Education Commission awarded grant for organizing symposium to Dr. Saba Riaz, Emerging Issues of multidrug Resistance: A threat to the globe, 2nd October 2014.
- **Institutional Linkages**
 - Dr. Lisa Scanduzzi, 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. Atiqa 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. Persson, Molecules of Man AB, Mossvägen 12, Sweden
- Steven Fong, 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.
 - Department of Biosciences University of Technology Malaysia.
 - The University of Lahore (UOL).
 - University of Veterinary and Animal Sciences, Lahore.
 - University of Health Sciences
 - GC University, Lahore.



- FC College University, Lahore.
- Baluchistan University of Technology and Management Sciences (BUTEMS), Quetta.
- King Edward Medical College University, Lahore
- Allama Iqbal Medical College, Jinnah Hospital Lahore
- Citilab and Research Centre Lahore.
- Comsats

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

Telephone (s): 042-99231746

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

- **BS Physical Education**

DEPARTMENT OF ZOOLOGY

Telephone (s): +92-42-99231246

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

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

1.1 Undergraduate and Postgraduate Programmes

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

1.2 MS/M.Phil and PhD Programmes

The MS/M.Phil (Morning Program). is of 2-years duration (30 credit hours) spread over four semesters. The admission of these classes generally, made only twice in a academic year. The program involves 24 credit hour course work and 6 credit hours thesis (Research work). The course work is completed during first two semester (12 credit hours/semester) and 6 credit hours research work spread over next 2 semesters. Following advertisement by the University, "Entry Test" is arranged by the Department. A candidate must obtain 50% marks to qualify the entry test. Equal numbers of applicants are admitted for MS and M.Phil. program on merit as per HEC guide lines. MS and M.Phil Self-Supporting (Evening) program has been also launched academic session 2014-16. M.Phil Zoology for Professional (In-Service Program) has been started for the academic year 2015.

The Department of Zoology stands amongst those departments / institutes of the University of the Punjab, which have been producing maximum number of Ph.Ds. One hundred twenty



three (152) Ph.D. degrees have been awarded by this Department upto December 2015. Since 2001 Higher Education Commission (HEC) -approved regular Ph.D. Program has been started which has replaced the previous program. The theses are evaluated by experts from technologically advanced countries for the award of degree. Following registration, by the Board of Advanced Studies and Research of the University the scholars carry out research under the supervision of their respective supervisors. The candidates may conduct their research work in laboratories of other research development organizations. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examination before commencement of Ph.D. research project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years. Subsequently the candidates present themselves for public defense and finally the viva voce is conducted in the presence of internal (supervisor) and external examiners. The successful candidates are then notified by the University.

1.3 Academic Achievements

The Department produced 11 Ph.Ds and 29 MS/M.Phil students during the academic year 2014-15.

1.4 Foreign Academic Linkages

Dr. Javed Iqbal Qazi

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

Prof. Dr. Muhammad Naeem Khan

- American Fisheries Society, USA
- World Aquaculture Society, Australia
- Nor Fishing Foundation, Trondheim, Norway.
- FAO, Rome, Italy.
- Michigan State University, USA.

Dr. Zulfiqar Ali

- Transnational Education INSPIRE Programme with UK
- Chinese Academy of Sciences Link with Institute of Mountain Hazards and Environment (IMHE)

Dr. Najma Shaheen

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

Dr. Nadeem Sheikh

- Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.
- Local Coordinator in Pakistan for EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.



- Local Coordinator in Pakistan for EXPERTS III, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.

1.5 Honours and Awards

Prof. Dr. Javed Iqbal Qazi

- Awarded research productivity 2015
- Awarded Performance Evaluation in 2015
- Incentive award

Prof. Dr. Muhammad Naeem Khan

- 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.

Dr. Muhammad Shafiq Ahmad

- Awarded Performance Evaluation in 2015
- Incentive award 2015

Dr. Zafar Iqbal

- Gold Medal Awarded to his Ph.D student on oral presentation in 5th International Symposium by Director Fisheries and Aquaculture, FAO Rome (Italy) 2015
- Awarded research incentive 2014
- Awarded Performance Evaluation in 2015
- Asian Fisheries Society. Malaysia Travel Grant , 2014-15

Dr. Nabila Roohi,

- Research Productivity Award, Pakistan Council for Science and Technology, 2014
- Incentive Award, University of the Punjab, 2014-2015
- Performance Evaluation Award, University of the Punjab, 2014-2015
- **Member Board of Studies**, Active Member, The Endocrine Society, 8401 Connecticut Avenue, Suite 900, Chevy Chase, Maryland, USA, December 2010 to present
- Member, International Society of Zoological Sciences, Datun Road, Beijing, China, April 2010 to present
- Member, Pakistan Society for the Advancement of Science, 1995 to present
- Member, Faculty Board of Life Sciences, University of the Punjab, 2005 to present
- Fellow, Zoological Society of Pakistan, 1992 to present
- Member, Pakistan Society of Biochemistry and Molecular Biology, 1994 to present
- Harbour Services Fellow of the PEP Foundation, 1997 to present



- Member, All Pakistan Women Association (APWA), 2000 to present
- Member, Curriculum Review Committee, Department of Zoology, Feb 2001 to present
- Member, Admission Committee, Department of Zoology, Feb 2001 to present
- Member, Examination Committee, Department of Zoology, Feb 2001 to present
- Member, Purchase Committee, Department of Zoology, Feb 2001 to present
- Member, Maintenance Committee, Department of Zoology, 2004 to present

Dr. Abida Butt

- Research Productivity Award, Pakistan Council for Science and Technology, 2015
- Incentive Award, University of the Punjab, 2014-2015
- Performance Evaluation Award, University of the Punjab, 2014-2015

Dr. Farah Rauf Shakoori

- Awarded research productivity 2015
- Awarded Performance Evaluation in 2015

Dr. Zulfiqar Ali

- Awarded research productivity 2015
- Awarded Performance Evaluation in 2015
- Member of Thesis & Synopsis Evaluation Committee UVAS

Dr. Najma Shaheen

- Member of Board of Faculty of Life Science, PU Lahor
- Member DDPC Zoology
- Teaching of Genetics and Biostatistics for M.Sc Part-I
- Teaching of Applied Microbiology to M.Sc part-II
- Teaching Bacteriology and Applied Microbiology to BS 6th & 7th Semesters respectively
- Research guidance to BS, M.Sc, MS/M.Phil and Ph.D students
- Member Annual Sport Committee
- Paper Setter hematology (University of Sargodha)
- Examiner M.Phil thesis (UVAS, LCWU, UoS)
- Examiner Genetics and Biostatistics, UoS, Sargodha

Dr. Nadeem Sheikh

- Awarded ARS Gold Medal
- Scholarship Coordinator, Department of Zoology, University of the Punjab, Lahore.
- Head Examiner for the Zoology Paper "C" (B.Sc.) 2013-onwards.
- Local Coordinator of EU project (EXPERTS II, and EXPERTS III).
- Member Board of Studies in Zoology Kinnaird College for Women Lahore.
- Member M.S./M. Phil admission committee 2015.
- Member Admission Committee for M.Sc. 2015.
- Member Examination Committee for B.Sc. (Hons.), M.Sc. and Ph.D.



- Examiner for B.Sc., M.Sc. Practical Examination.
- Research Productivity award for the year 2015

Dr. Abdul Majid Khan

- Coordinator M.Phil/Ph.D (Inservice Program)
- Member Punjab University Journal of Zoology
- Reviewer Journal of Animal and Plant Sciences
- Member fish feed procurement committee, fish research farm University of the Punjab Lahore
- Member of Admission Committees for M.Sc, Ph.D Admission/Interview Committee

Dr. Muhammad Akbar Khan

- Award of Performance based on increment + honorarium
- Research productivity award from Pakistan Council of Science & Technology for the year 2014-15
- Certificate of excellence for the establishment of Dr. Abu Bakr Fossil Display & Research Centre, Zoology Department, University of the Punjab, Lahore

1.6 Institutional Linkages

Prof. Dr. Javed Iqbal Qazi

- PCSIR Laboratories, Lahore
- Punjab Fisheries & Wildlife Department

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

Dr. Muhammad Shafiq Ahmad

- College of Earth and Environmental Sciences, Punjab University
- Institute of Chemistry Punjab University
- University of Veterinary & Animal Sciences Lahore
- Fisheries Research and Training Institute

Dr. Zafar Iqbal

- Fisheries Research and Training Institute, Lahore
- Department of Fisheries and Fresh Water Biology University of Sindh Jamshoro,
- Department of Zoology, Jinnah University for Women Karachi

Dr. Nabila Roohi

- Prof. Dr. Janet L. Stein, Department of Biochemistry, University of Vermont, Vermont. USA.
- Prof. Dr. Andre van Wijnen Department of Orthopedic Surgery & Biochemistry& Molecular Biology Mayo Clinic Florida USA.



- Institute of Nuclear Medicine and Oncology, Lahore (INMOL)
- University of Veterinary and Animal Sciences (UVAS), Lahore Campus
- University of Veterinary and Animal Sciences (UVAS), Pattoki Campus

Dr. Farah Rauf Shakoori

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

Dr. Zulfiqar Ali

- Department of Microbiology and Molecular Genetics PU, Lahore
- Lahore Zoo

Dr. Najma Shaheen

- University of Veterinary & Animal Sciences, Lahore
- Lahore College for Women University Lahore

Dr. Nadeem Sheikh

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

Dr. Abdul Majid Khan

- Bio-resource Research Centre Islamabad
- Punjab Fisheries Department

INSTITUTE OF AGRICULTURAL SCIENCES

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

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

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

- **Undergraduate and Postgraduate Programmes**

BS (Hons.)

Majors:

- Plant Pathology
- Horticulture
- Food Technology
- Entomology

- **MS and PhD Programmes**

M.Sc. (Hons.)

Majors:

- Plant Pathology



- ii. Food Technology
- iii. Horticulture
- iv. Entomology

Ph.D. Agriculture

- **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 161 students to BS (Hons.), 72 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 ariterions. The guidelines are based on credit hour allocation, infera structure development, student teacher relationship and invlovement of parents in classss 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 feathure 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 30 theses were added in the library of the institute. The First Fungal Culture Bank of Pakistan has isolated, purified and conserved 41 fungal and 38 bacterial species added to conservatory during the report period. Herbal Heritage Centre after standardizing techniques of *Aloe vera* gel and essential oils production at lab scale has acquired locally fabricated pilot plants for commercial production of both.

- **Foreign Academic Linkages**

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



- **Honours and Awards**

Dr. M. Saleem Haider, Professor & 'Director

- Performance award received in 2015 from the University of the Punjab.

Dr. Salik Nawaz Khan

- Awarded performance based increment in 2015.

Dr. Tehmina Anjum

- Awarded performance based increment in 2015.

Dr. Arshad Javaid, Assistant Professor

- Awarded performance based increment in 2015.
- Research productivity award received in 2015 from Pakistan Council of Science and Technology

Dr. Amna Shoaib

- Awarded performance based increment in 2015.

Dr. Shazia Shafique

- Awarded performance based increment in 2015.

Dr. Sobiya Shafique

- Research incentive award received in 2014 from the University of the Punjab.

Dr. Uzma Bashir

- Awarded performance based increment in 2015.

Dr. Muhammad Ashfaq

- Awarded performance based increment in 2015.

Dr. Rashid Mahmood

- Awarded performance based increment in 2015.

Dr. Shinawar Waseem Ali

- Awarded performance based increment in 2015.

- **Institutional Linkages**

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

1. Pakistan Council for Scientific & Industrial Research (PCSIR) Ferozepur Road, Lahore.
2. Center of Excellence in Molecular Biology, Punjab University, Lahore.
3. Parks & Horticulture Authority, Lahore



4. School of Biological Sciences, Punjab University, Lahore
5. FBRC, PCSIR, Lahore
6. Federal Seed Certification and registration department (FSCRD)
7. Soil Fertility Lab., Thokar Niaz Baig, Lahore
8. Land Reclamation Department, Lahore
9. Cotton Research Institute, Vehari
10. Cotton Research Institute, Multan
11. Central Cotton Research Institute, Multan
12. M/s Four Brothers, Lahore
13. M/s Auriga Chemicals, Lahore
14. Agricultural Engineering Workshop, Thokar Niaz, Baig, Lahore
15. Punjab Ecotoxicology Lab., Kala Shah Kaku, Lahore
16. Rice Research Institute, Kala Shah Kaku, Lahore
17. NARC, Islamabad
18. Adaptive Research Farm, Sheikhupura
19. Adaptive Research Farm, Gujranwala
20. Soil Salinity Research Institute (SSRI) Pindi Bhatian
21. PARC, Islamabad

INSTITUTE OF APPLIED PSYCHOLOGY

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

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

1.1 Undergraduate and Postgraduate Programs

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

1.2 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. The conference, workshop, seminar, special lecture were conducted to provide ample opportunities to its students to gain practical knowledge and management experience.

Qualitative Research Skill Workshop:

A workshop on qualitative research skills via Skype was organized for M.Phil, MS Health and PhD scholars with the collaboration of Prof. Dr. Rukhsana Kausar and Dr. Fatima Kamran on 3rd and 4th December, 2014. It mainly particularized on the differences between quantitative and



qualitative research, methods of data collection and qualitative analysis of data. The workshop further dwelled into techniques that can be used to establish validity and reliability of qualitative research. It was beneficial for the attendees as it elaborated research.

CBT & REBT Workshop:

Dr. Fatima Kamran arranged a workshop which centered on CBT and REBT for the students of MS Health Psychology at the Institute of Applied Psychology on December 23rd, 2014. The resource person was Dr. Saima Salman, Director of Rational Living Institute, Singapore. She competently explained the core concepts of CBT and REBT in an interactive and practical manner. This event served to enhance the student's understanding of the techniques which were pronounced to be a fundamental component of every practitioner's repertoire.



International Conference of Psychology (ICP 2015):

The 14th International Conference of Psychology (ICP 2015) was held in Lahore from 19th to 21st March, 2015. It was organized by Pakistan Psychological Association in joint collaboration with Institute of Applied Psychology, Center for Clinical Psychology and Higher Education Commission of Pakistan. The main theme of the conference was "The Current Challenges for Psychology: From Crisis to Sustainable Solutions". An extravagant opening ceremony was held in Al-Hamra Cultural Complex, followed by Gala Dinner and musical night. Offering a glimpse of the bursting potential possessed by the Psychological fraternity, the event was a tremendous success as evident by the throngs of participants and attendants who roamed the hallowed halls of the Undergraduate Block. Approximately 340 abstract submissions were received. A total of 191 oral presentations, from students as well as professionals and 101 poster presentations were presented. Certificates were awarded for oral and poster presentation, conference participation and souvenirs were given to all participants. From a focus on the academia to terrorism, caregivers' stress to marital satisfaction, the conference managed to shed light upon numerous issues from a psychological point of view, underscoring its significance.



Lecture on Brain Injury and Social Perceptions:

On 5th June 2015, Dr. Fatima Kamran had arranged a Skype workshop on "Brain Injury and Social Perceptions" for the students of MS Health Psychology, MPhil and PhD in CCP. This video workshop was conducted by Dr. Vicknashvery Marimukha, an eminent practitioner from the UK. The resource person gave an in depth description of the latest therapeutic interventions utilized for symptom alleviation of such patients. Queries were answered and the workshop served to enhance the student's understanding of the intricacies in dealing with such cases.





Health Psychology Lab Inauguration Ceremony:

On 11th June 2015, Dr. Fatima Kamran organized an inauguration ceremony for the Health Psychology Lab and Consultancy office. The ceremony was presided by the Director, Prof. Dr. Rukhsana Kausar, who lauded the pioneering efforts of the teachers and students. The faculty members toured the facilities and appreciated the well-equipped lab.



Report Writing Workshop:

A one day workshop on report writing of research and dissertation was conducted at Institute of Applied Psychology, University of Punjab on June 18, 2015 by Dr. Farah Malik. It was an interactive collaboration, aimed at enhancing writing styles of M.Phil and PhD scholars of the institute as well as discussing the various methods utilized in effective report writing. Students' queries and issues were also addressed during the course of the workshop by the resource person. Its program included answering fundamental research questions, providing tips for effective report writing, manuscript writing and elaborating the process of reporting and presentation of results. All the important headings were covered in a precise and comprehensive manner. The workshop served as a forum for discussing new methods and gaining insight in research report writing.



Health Workshop on usage of Glucometer Sphygmomanonetc:

Dr. Fatima Kamran arranged a training workshop for the students of MS Health Psychology regarding the usage of Glucometer and Sphygmomanometers. Dr. Muhammad Akram, Medical Practitioner from Health Center, University of the Punjab demonstrated the correct manner of handling the instruments. The purpose of this workshop was to teach the students to expertly use medical apparatus which will be commonly used in the course of their practice.



Workshop on End Note:

A two hours' workshop focusing on End Note was arranged for the students of MPhil, MS Health and PhD at Institute of Applied Psychology. End Note is a bibliographic management software program designed to help individuals store, organize, cite and format bibliographic references. The resource person was Dr. Muhammad Azeem Raza, a competent End Note Lecturer. He brilliantly enlightened the students regarding the usage of the software and its applications. It was a tremendously constructive experience as this workshop enhanced the dissertation writing skills of the students. In the end, the Director thanked the worthy resource person and illuminated the need to keep pace with the advancing research tools and methodologies.





Lecture on Cleanliness:

IAP considers cleanliness an imperative issue and in an effort to raise awareness of its significance the Director, Prof. Dr. Rukhsana Kausar delivered a counseling lecture on the importance of maintaining cleanliness within the Institute's premises. She narrated her personal experience in numerous countries where sanitation and personal hygiene were of utmost concern to the populace. In a friendly atmosphere, she inculcated a sense of social responsibility among the students and reproved their habit of littering the grounds.



Co-Curricular and Extra-Curricular Activities

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

In Solidarity with Army Public School (APS) Victims & Survivors:

December 16, 2014 is a Black day in the history of our beloved homeland when almost 140 young children and a few teachers were brutally slaughtered by terrorists at Army Public School, Peshawar. To commemorate the irrevocable grief of the incident and to honor the loss of lives, on December 17th, 2014, a peaceful walk was organized in which the faculty and students of IAP showed their solidarity with the families of the deceased. The participants were holding placards displaying their heart rending messages for the martyrs.

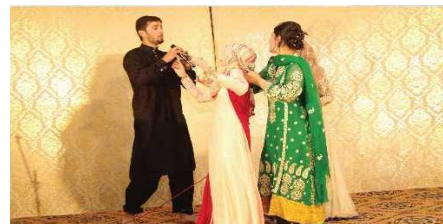


Annual Dinner 2015:

The Institute of Applied Psychology held its Annual Dinner/Welcome Party On 29th May, 2015. The event was organized by Dr. Rafia Rafiq, Ms. Tahira Mubashir, Mr. Faiz Younas and Ms. Shahnaila Tariq as well as the students' organizing committee. The tastefully decorated lush green lawns of IBA enhanced the vibrant spirit of the occasion which centered on bidding farewell to the passed out batch and welcoming the newcomers. Colorful invitations were sent beforehand to the faculty members and the previous passed out BS and MSc batches. The event started with the arrival of the Director, Prof. Dr. Rukhsana Kausar and the faculty members. The students had prepared entertaining and creative skits, songs as well as mimes. Apart from the



mesmerizing humor, the skits highlighted important issues of the Institute. The audience erupted with laughter on the funny *Mime*. Then thrilling play of *Modern Heer Ranjha* depicted the smart phone addiction in an effective manner and received the audience's applause. Furthermore, the comic Qawali was spell-binding and had the attendees in fits of laughter. Moreover, entertainment was at its peak when a highly creative *Student's Adalat* was in session which concluded with inculcating the importance of adhering to rules. The audience rolled with laughter on an improvised imitation of *Hasbe-e-Hall*. Passed out batches of MSc and BS (Hons) were given titles and souvenirs as a token of good luck in future prospects. In the end, a slideshow depicting the time of the passed out batches in the Institute evoked a melancholy atmosphere. The event was concluded by the Director who praised the organizing committee for their strenuous efforts, applauded the passion of participating students and conveyed best wishes to everyone. An appetizing dinner was also served to the attendees. The students had a splendid time during the event and it offered an opportunity for the seniors to reminisce and interact.



Mental Health Day 2015:

University of the Punjab with the joint collaboration of Centre for Clinical Psychology (CCP), Institute of Applied Psychology (IAP), Pakistan Psychological Association (PPA) and Pakistan Association of Clinical Psychologists (PACP) organized an event regarding Mental Health Day on "Caregiver's Burden in Psychiatric Rehabilitation" on 27th May, 2015 at Institute of Biochemistry and Biotechnology (IBB). Special Assistant to Chief Minister Punjab Mr. Khawaja Salman Rafique was the chief guest on the occasion. Vice chancellor of University, Dr. Kamran Mujahid, was also in attendance and lauded the role of psychologists in assuaging the sufferings of the masses. Students of Centre of Clinical Psychology presented thought provoking tableaux and poetry. Moreover, the head of Psychiatry ward of General Hospital, Ms. Sadia Sheerazi of SCAS shared their views regarding the dire need of application of psychological principles in routine life and especially for conflict ridden populace. The students of BS, MSc, MS Health & Clinical Psychology, MPhil and PhD participated in the event which marked the psychological fraternity's commemoration of Mental Health Day International Women's Day 2015.



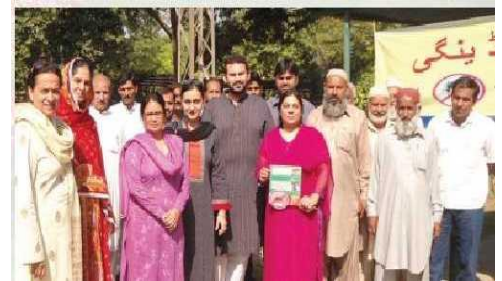
Annual Book Fair 2015:

To promote the love for books and create a healthy learning environment, Annual Book Fair 2015 was organized by University of the Punjab, Lahore. Being the largest book fair nationwide, it attracted a massive number of people. Students and teachers from IAP were actively involved in its management and they were seen doing their duties efficiently at the reception desk and book stalls.



Dengue Day:

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



International Women's Day 2015:

On 8th March 2015, 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.



23rd March Commemoration Ceremony:

On March 23, 2015, 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. 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:

Annual Mehfil-e-milad was held at the IAP on January 23rd, 2015 to observe the auspicious event of 12th Rabi-ul Awwal. The event started with Quran khawani and proceeded by naat soffered in the honor of Prophet Muhammad (P.B.U.H). Students, faculty and staff members participated in event with religious passion and zeal to celebrate and honor the birth of Prophet Muhammad (Peace be Upon Him). The event marked its end with a collective Dua ceremony after which tabaruk (sweets) were distributed among everyone in attendance.



Annual Sports Day 2015:

On 9th April, 2015, the Institute of Applied Psychology held its annual sports day and the event was inaugurated by the Director of CCP and IAP, Prof. Dr. Rukhsana Kausar along with the faculty members. Despite the heavy rains the night before, the organizing committee of students and faculty did a splendid job on arranging and decorating the whole area with colorful banners and the various stalls. The event initiated with the Director's note praising the efforts of the committees and further appreciating the vigor of



participating students in extracurricular activities. For an initial boost, the girls displayed their aerobic skills and a cake was cut by the faculty members to officially begin the sports event. Different races, badminton, chess, Ludo, football and cricket matches were held among the Institute's students and staff. Lunch was also served. The most enjoyable event was tug of between students and faculty members; a highly entertaining spectacle. Students cheered and the grounds erupted with roars. In the closing ceremony, Ms. Shamsa Hashmi and the guest of honor, Ms. Madiha Latif distributed prizes among the winners of all the competitions and spoke about the success of the whole event and applauded the fervor and passion of the students. Students were over joyed to receive trophies and medals. Prof. Dr. Rukhsana Kausar delivered a thank you note for the presence of the chief guest and guest of honor.

Salad Competition:

Dr. Fatima Kamran organized a salad making competition for the students of MS Health Psychology on 11th April 2015 at Institute of Applied Psychology. The participants were instructed to make different low carbohydrate and low fat content salads for the faculty and demonstrate their culinary abilities. This unique occasion highlighted the significance of healthy eating habits.



Participation in Debates, Conferences, and Sports Events:

Asmah Gul Chaudhry from BS II is currently working as a volunteer in ECLO Child Labor Association and also attends sessions conducted by NOP reading child labor issues. She has also recently attended various conferences held under YCL Community Center. "Muslim glory" and "change begins with you" at institute of chemical and engineering



technology, P.U and has also attended and participated in autism awareness campaigns and funfairs. Recently, an event was covered by her team "impact photography" fashion ramp by largess (Zara Ahmed & Mamoon) at Faletti's hotel where she is working as a co-photographer. She has also worked as a Photographer in Media Ray.

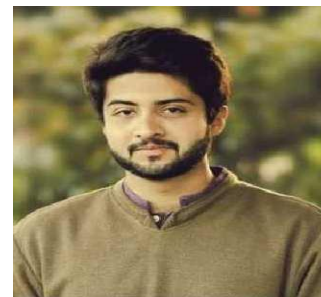


Mehak Azam of BS II has participated in Inter-departmental Arfana/Sufiana Kalaam singing competition of Punjab University held at Al-Raazi Hall and was awarded a consolation prize. She has also attended the All Pakistan Bilingual Declamation Contest 2015.



Sumaira Inayat of BS II participated in LUMS football tournament on 28th Jan, 2015. She bagged the first position in Badminton and was a runner up in the Football competition held as a part of the Irfan Gold Cup Tournament held at Superior University on 3rd May, 2015.

Zakariya Hashmi of BS IV recently served as an ambassador of Punjab University for IYIC, an international youth conference for students focusing on prevalent social issues. He also participated in the Jashn-e-Baharan Festival, organized by the Chief Minister Youth Mobilization. Furthermore, he worked in the capacity of a social media incharge for Youth Con, a youth conference organized by National Student Council in which different motivational lectures focusing on entrepreneurship were delivered by the attendees. Zakariya was also selected as Head of National Student Council (Lahore Chapter). In addition, he actively participates campaigns initiated various volunteering and fundraising organizations such as Al-Khidmat Foundation which focuses on orphans, youth and educational sector. He is currently an organizer in BEYDAR's Ramadan Drive in which funds are raised for the distribution of ration packs for iftar with people in jail, orphanages and other needy and deserving people.



Students of BS semester VI participated in poster presentation competition entitled Peace Psychology held at Government College University on 18th May 2015. The students made artistic and creative posters to display their idea of peace and harmony in the society in an innovative manner.



Safoora Anwar of BS VI is currently working as a facilitator for Pehchan organization. She has trained more than 400 students under the banner of this organization at university and marginalized levels. Aqsa Ifftikhar of BS VI, is currently working as an event organizer for Pehchan organization. She has also volunteered for (TACS) Take a Child to School Program under which she has undertaken the responsibility to enroll a child in school and bear his expenses.

Ayesha Abdul Khaliq of MS Health worked as an event organizer during the 3rd Jashan e Baharan Festival, organized by CMYMC (Chief Minister Youth Mobilization Conference). Rana Mashood Ahmad granting the certificate of appreciation for organizing many different programs of CMYMC.





Marriyam Khalid of MSc II (Replica) participated in 12th Youthcon Youth Conference conducted by National Student Council held on 11-12th April. The conference comprised of different informational sessions on motivation and entrepreneurship. It was attended by numerous delegates belonging to various institutions of Pakistan.

Maria Idrees of BSV went on a student exchange program of expert syasia to Czech Republic at Masaryk University.

1.3 Foreign Academic Linkages

The Institute has foreign academic linkage with:

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

1.4 Honors and Awards

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

1.5 Institutional Linkages

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

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

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Telephone (s): +92-42-99230355

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

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

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 2014-15 is 398 in BS Biochemistry/ BS Biotechnology and 69 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 2014-15, the number of students was admitted in MS Biochemistry/MS Biotechnology degree program is 71.

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

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

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 19 faculty members – one Professor, eight Assistant Professors, and five Lecturers.



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

SCHOOL OF BIOLOGICAL SCIENCES

Telephone (s): +92-42-99230960

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

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

○ **MS and Ph.D. Programmes for the year 2014-15:**

Presently, 105 research scholars are working in the School for their MS/M.Phil and Ph.D. degrees. Most of the students admitted in 2003-2008 have obtained their Ph.D. degrees. The seventh 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 eighth batch scholars are fairly advanced in their research projects and are making satisfactory progress. The ninth batch have completed their prescribed course work and are in their initial stages of planning experiments and running pilot experiments. The tenth batch of the students have just finished their comprehensive examination and International GRE. The eleventh 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.

○ **Academic achievements for the year 2014-15:**

○ **Foreign Academic Linkages**

Sr. No.	Name of Researcher/ Sponsoring Agency	Title of research project with duration	Collaborating scientist/institution	Joint objectives
1.	Prof. Javed Iqbal Pak-USA	Molecular Biology of Sugarcane.	Dr. Yong-Bao Pan, Research Plant Molecular Genetics, USDA-ARS, MSA. Sugarcane Research Laboratory, 5883 USDA Road Houma, LA 70360, USA	Search for Molecular markers for resistant and susceptible gene analogues for red rot rust and smut diseases.
2.	Prof. Dr. M. Waheed Akhtar Higher Education Commission Ministry of Sciences and Technology.	Production of Bioenergy from plant biomass (a collaborative project with major share of the School of Biological Sciences Lab.)	Cornell University, USA	



	Government of Pakistan	Preparation of application of growth hormones injectables (part of the project "Strengthening of School of Biological Sciences)	Strathclyde University, U.K.	
	EMRO (WHO) Switzerland	Validation study of a rapid and reliable diagnosis of tuberculosis using a multiplex microbead immunoassay.	University of California, Davis, USA	
3.	Prof. Naeem Rashid Pakistan Science Foundation	Discovering the phosphofructokinase in pyrobaculum calidifontis.	Prof. Haruyuki Atomi Kyoto University, Kyoto, Japan.	
4.	Dr. Sadaf Naz	Molecular characterization of Oculocutaneous Albinism (OCA) and related syndrome in Pakistan	Bahauddin Zakriya University, Multan, Pakistan & Rehan Siddiq Shaikh	
		Molecular characterization of Dystonia and Wolfram Syndrome in Pakistan"	Higher Education Commission.	
		Genetic Basis of Moderate to Severe Hearing Loss in Pakistan"	Fogarty International Center and National Institute on Deafness and other Communication Disorders, National Institutes of Health, NIH, USA	

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

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

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

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

- Undergraduate and Postgraduate Programmes
Diploma in Arabic & M.A. Arabic programs are running in Arabic Department.
- MS and PhD Programmes
M. Phil. and Ph. D. Arabic programs are running in Arabic Department.



○ Academic Achievements

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

Eleven students did their research work and wrote M.A. theses. Fifteen M. Phil.

Arabic students completed their research work and awarded degrees. Three Ph. D.

Arabic students completed their research work and awarded degrees.

DEPARTMENT OF HINDI LANGUAGE

Telephone (s): +92-42-99211814

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

Academic Program

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 1650 new Hindi books including reference books, dictionaries, literature books being supplied from India. 900 old Hindi books, magazines, journals and 5200 old Sanskrit books are also kept in the library of Hindi Department. The Librarian Saima Rubbani has been maintaining the Library since 2008 to date

DEPARTMENT OF IQBAL STUDIES

Telephone (s): +92-42-99210839

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

- Allama Iqbal Research Chair during the Report year 2014-15 was assigned the task to complete the Project titled (دائرہ معارف اقبال)

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 (for the Year 2014-15)**
13 students are admitted in M.A Kashmiryat Part-I for the Year 2014-15
- **MS and Ph.D Programs (For the year 2014-15)**
03 students are admitted in Ph. D Kashmiryat Part-I for the year 2014-15



- **Academic Achievements (for the year 2014-15)**

- **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 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 (for the Year 2014-15)**

21 students are admitted in M.A Persian Part-I for the Year 2014

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

- **MS and Ph.D Programs (For the year 2014-15)**

- 15 students are admitted in M.Phil Persian (Fall Session) in 2014
- 20 students are admitted in M.Phil Persian (Fall Session) in 2015
- 10 Students are admitted in Ph.D Persian (Fall Session) in 2015

- **Academic Achievements (for the year 2014-15)**

- 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.



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

- **Foreign Academic Linkages**

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

- i. Firdousi University, Mash, had, Iran
- ii. Tehran University Tehran, Iran
- iii. Tarbiat-e-Mударis University Tehran, Iran
- iv. Centre of the Written Heritage, Tehran, Iran
- v. Persian Language Authority Tehran, Iran
- vi. University of Payam e Noor, Iran
- vii. Tajiksitan National University, Tajiksitan

- **Institutional Linkages**

At National Level:

- i. Iran Pakistan Institute of Persian Studies, Islamabad
- ii. Cultural Centre of Islamic Republic of Iran, Lahore
- iii. Department of Iqbal Studies, University of the Punjab, Lahore
- iv. Markaz e Majalis e Iqbal, Awan e Iqbal Authority, Lahore.

At International Level:

- i. Firdousi University, Mash, had, Iran
- ii. Tehran University Tehran, Iran
- iii. Tarbiat-e-Mударis University Tehran, Iran
- iv. Centre of the Written Heritage, Tehran, Iran
- v. Persian Language Authority Tehran, Iran
- vi. University of Payam e Noor, Iran
- vii. Tajiksitan National University, Tajiksitan

Exchanges and Resources Sharing Program/Forum of Resources Sharing

- i. Ministry of Cultural and Higher Education, Tehran, Iran
- ii. Firdousi University, Mash, had, Iran
- iii. Tehran University Tehran, Iran
- iv. Tarbiat-e-Mударis University Tehran, Iran
- v. Centre of the Written Heritage, Tehran, Iran
- vi. 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

Introduction:

Department of Punjabi, University Oriental College, Lahore occupies a prominent place in the fields of teaching and research in South Asia. It is playing a vital role in the grand mission of civilizing the society through teaching literature, cultivating ethical and aesthetic values among young students by dwelling upon canons of classical and modern Punjabi literature alike. Courses like M.A, M. Phil and Ph.D courses prove the major source of cultivating, nurturing and enhancing research activities.

Presently there are three Professors, One Associate Professor, and three Assistant Professors in the department, teaching the students and doing research enthusiastically. Moreover, keeping in view the significance of sharing and dissemination of knowledge through the participation of intellectuals having different background, the department regularly organizes seminars, conferences at local, national and international level .*Mushairas*, a great, centuries old tradition of reciting poetry, are also held time and again.

- **Postgraduate Programs (for the Year 2014-15)**
29 students were admitted in M.A Punjabi Part-I for the Year 2014-15
- **Ph.D Programs (For the year 2014-15)**
 - 3 Ph.D and 15 M.Phil student were admitted for the year 2014-15
- **Academic Achievements (for the year 2014-15)**
 - (i) Ph.D Degree award to 4 students
 - (ii) 4 students passed in M.Phil
 - (ii) 14 students passed in M.A Examinations

DEPARTMENT OF URDU

Telephone (s): +92-42-99210832

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

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

Introduction:

Department of Urdu, University Oriental College, Lahore occupies a prominent place in the fields of teaching and research in South Asia. It is playing a vital role in the grand mission of civilizing the society through teaching literature, cultivating ethical and aesthetic values among young students by dwelling upon canons of classical and modern Urdu literature alike. Courses like Certificate in Urdu, Diploma in Urdu and Advanced Diploma in Urdu offered by the department for foreigner students have earned an international acclaim. The department also offers M.A, M Phil and Ph D courses prove the major source of cultivating, nurturing and enhancing research activities.



Presently there are three Professors, two Associate Professor, two Assistant Professors and one Lecturer in the department, teaching the foreigner and local students and doing research enthusiastically.

ACADEMIC ACTIVITIES

- **Undergraduate and Postgraduate Programs (for the Year 2014-15)**

73 students are admitted in M.A Urdu Part-I for the Year 2014

70 students are admitted in M.A Urdu Part-I for the Year 2015

- **MS and Ph.D Programs (For the year 2014-15)**

- 31 students are admitted in M.Phil Urdu in 2014

- 35 students are admitted in M.Phil Urdu in 2015

- 16 students are admitted in Ph.D Urdu in 2015

- **Academic Achievements (for the year 2014-15)**

- The Department of Urdu has produced Semester System one year Program of ***Diploma & Certificate in Urdu*** and 05 students were admitted in the year to 2014-15.

- The Department of Urdu has organized a seminar ***"Hali o Shibli Sadi: Aid Roza Qoumi Seminar"*** at 6th May 2015 in Sherani Hall, Oriental College, Punjab University Old Campus, Lahore.

- The Department of Urdu has organized a National Mushaera ***"Bayad e Hali o Shibli Mushaira"*** at 7th May 2015 in Faisal Auditorium, Punjab University New Campus, Lahore.

- Department of Urdu conducting ***weekly Literary Session*** in which National & International critics, poets and writers are invited.

- **Foreign Academic Linkages**

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

i. Tehran University Tehran, Iran

ii. Daito Bunka University, Japan

iii. Osaka University, Japan

- **Institutional Linkages**

Exchanges and Resources Sharing Program/Forum of Resources Sharing

i. Tehran University Tehran, Iran

ii. Daito Bunka University, Japan

iii. Osaka University, Japan

**UNIVERSITY ORIENTAL COLLEGE**

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

Fax Number (s): +92-42-9910831

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

۱۔ کالج کا مختصر تعارف:

یونیورسٹی اورینٹل کالج نہ صرف پاکستان بلکہ پورے جنوبی ایشیا کے چند پر وقار اور مشہور تعلیمی اداروں میں سے ایک ہے، یہ عظیم تاریخی ادارہ 1870ء میں ڈاکٹر ڈبلیو جی لائسنٹر کی کوششوں سے قائم ہوا۔ بنیادی طور پر یہ کالج مشرقی علوم اور زبانوں کی تدریس کے علاوہ یہاں کے لوگوں کو جدید علوم سے متعارف کروانے کے لئے قائم ہوا تھا۔ جس میں عربی، فارسی اور سنسکرت جیسی کلاسیکی زبانوں کے علاوہ اردو، ہندی، پنجابی اور پشتو کی تدریس بھی ہوتی تھی۔ جدید علوم میں انجینئرنگ، ریاضی، طبیعیات، جغرافیہ، اقتصادیات، فلسفہ اور منطق کے ساتھ ساتھ فقہ اسلامی، طب اسلامی، دھرم شاستر اور ویدک کی تعلیم دی جاتی تھی۔

1882ء میں پنجاب یونیورسٹی کا قیام عمل میں آیا، جب کہ 1888ء میں دیگر علوم کی کلاسیں لاہور میں قائم ہونے والے دوسرے مخصوص تعلیمی اداروں میں منتقل ہو گئیں تو یہاں صرف مشرقی علوم والسنہ کی فاضل عالم کی کلاسیں باقی رہ گئیں۔ چنانچہ اسی سال ایم۔ اے عربی اور سنسکرت کی کلاسوں کا آغاز ہو گیا۔ 1921ء میں ایم۔ اے فارسی کی کلاسیں شروع ہوئیں، اس کے علاوہ اردو، ہندی اور پنجابی کے لئے ریسرچ کے شعبے بھی قائم ہوئے۔

قیام پاکستان کے ساتھ ہی ہندی، سنسکرت اور پنجابی (گورکھی) کے شعبے بند ہو گئے تاہم ایم۔ اے اردو کی کلاسوں کا باقاعدہ آغاز ہو گیا۔ بعد ازاں کالج میں مختلف زبانوں میں شام کی ڈپلوما کلاسیں بھی شروع کی گئیں۔ 1970ء میں ایم۔ اے پنجابی اور 1987ء میں ایم۔ اے کشمیریات کی کلاسوں کا اجراء ہوا۔ عربی، فارسی، اردو اور پنجابی زبانوں میں ایم۔ فل اور پی ایچ ڈی کے پروگرام بھی شروع ہو چکے ہیں۔ اس کے علاوہ 2005ء سے کالج کے شعبہ لسانیات کو فعال کرتے ہوئے دوبارہ اطالوی، بنگالی، ترکی، جرمن، جاپانی، چینی، روسی، عربی، عبرانی، فارسی، ہسپانوی، ہندی کے علاوہ علاقائی زبانوں بلوچی، پشتو اور سندھی میں شام کی ڈپلوما کلاسوں کا باقاعدگی سے آغاز کیا جا چکا ہے

1: Chapter)

کالج کے شعبہ جات میں انڈرگریجویٹ پروگرام: مختلف 15 زبانوں میں ڈپلومہ کلاسیں جاری ہیں جب کہ 5 پوسٹ گریجویٹ (عربی، فارسی، اردو، پنجابی، کشمیریات) شعبہ جات میں ایم۔ اے کی کلاسیں جاری ہیں۔

کالج میں پانچ پوسٹ گریجویٹ شعبہ جات اور انسٹیٹیوٹ آف لیٹنگز میں اس وقت 63 اساتذہ کرام تدریسی فرائض انجام دے رہے ہیں۔
کالج کے مختلف شعبہ جات میں طلبہ کی تعداد:

ایم۔ اے: 325 ایم۔ فل: 166 پی ایچ ڈی: 128 ڈپلوما لیٹنگز: 319

زبان و ادب کے حوالے سے اورینٹل کالج کابیرونی ممالک کی نامور جامعات اور اعلیٰ سطح کے تعلیمی اداروں الاہر یونیورسٹی قاہرہ، مصر، داکٹو بھنگا یونیورسٹی ٹوکیو، جاپان، O تہران یونیورسٹی، ایران، ننگشیا یونیورسٹی چین سے علمی و تحقیقی روابط موجود ہیں۔

تفصیل کالج کے تدریسی شعبہ جات کی رپورٹ میں درج ہے۔ O

URDU DEVELOPMENT COMMITTEE (ADARA TALEEF-O-TARJAMA)

Telephone (s): +92-42-99230504

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

یہ ادارہ پروفیسر حمید احمد خان کی تحریک اور سنڈیکیٹ کی منظوری سے ۱۹۶۲ء میں قائم ہوا، جس کا مقصد قومی تعلیمی کمیشن کی سفارشات کے پیش نظر، اردو زبان میں درسی کتابوں کی ترتیب کرنا تھا۔



ادارے نے یونیورسٹی اساتذہ اور مختلف علوم کے ماہرین کی نگرانی میں کتابوں کی تالیف اور اشاعت کے ساتھ ساتھ اصلاح سازی کا کام بھی سر انجام دیا اور معاشیات، نفسیات، اطلاقی نفسیات، کیمیا اور طبیعات کی اصطلاحات تیار کر کے کتابی صورت میں شائع کیں، جن کی خاصی پزیرائی ہوئی۔

اسی طرح سائنسی موضوعات پر مختصر مونو گراف لکھوائے گئے۔ اب تک پندرہ سے زائد علوم و فنون سے متعلق ۸۰ کتابیں شائع ہو چکی ہیں۔ ادارے کی جانب سے شائع کی ہوئی آٹھ کتابیں مختلف قومی اداروں کی طرف سے انعام پا چکی ہیں۔ ادارے کو یہ امتیاز حاصل ہے کہ اس کی شائع کردہ کتابیں اپنے موضوع پر اردو زبان میں اولین پیش پیش کی حیثیت رکھتی ہیں۔

ادارہ تالیف و ترجمہ نے سال ۲۰۱۵ء - ۲۰۱۶ء میں اردو ادب اور سائنسی موضوع پر مبنی مندرجہ ذیل کتب شائع کرنے کا اہتمام کیا ہے:-

۱- من کی دولت	مترجم: پروفیسر ظفرالحسن پیرزادہ
۲- دیوان غالب [نیا ایڈیشن]	مرتبہ: حامد علی خان
۳- بھوکی سڑک	مترجم: سید راشد اشرف
۴- تین سلطنتوں کی داستان	مترجم: ظہور احمد

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

Academic Activities

The Punjab University College of Pharmacy formerly known as Department of Pharmacy is the oldest professional institution in Pakistan. The Mission of the College is to provide the Pharmacy Education of high quality in Pakistan through Excellent courses as approved by Pakistan Council of Pharmacy (PCP), Higher Education Commission (HEC) and Inter University Faculty Board (IUFB) constituted by the Chancellor/Governor of the Punjab conducted within a creative and friendly environment. The Faculty consists of outstanding professionals who are fully committed to guide the students in their acquisition of learning under the supervision of Dean Prof. Dr. Khalid Hussain and Principal Prof. Dr. Nadeem Irfan Bukhari. The interaction between teachers and students create the learning environment which facilitates mastery of professional skills and knowledge. Punjab University College of Pharmacy (PUCP) is accredited with Pakistan Council of Pharmacy under Pharmacy Act.

After upgrading the Department of Pharmacy to Punjab University College of Pharmacy, all laboratories have been re-organized and developed with financial assistance of the Higher Education Commission.

Testing of drugs and medicines as antimicrobial agents are now possible due to the modern facilities provided in the laboratory of Pharmaceutical Microbiology.



Industrial Pharmacy Section has also been upgraded with pharmaceutical machinery and with locally manufactured equipments. This section is being further developed.

To provide better research opportunities, the College library is well equipped with textbooks, reference books and scientific research journals in various disciplines of Pharmaceutical Sciences having latest research work to the students and professionals. 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 55 students are studying in postgraduate class of M. Phil Part-II (Pharmacy). A number of 150 new books have added in our library.

1. 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

2. M.Phil and PhD Programmes

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

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

3. Foreign Academic Linkages

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

4. Honours and Awards

- ISO 9001:2008 certification.
- Allied Health Professional Award. 41st European and Calcified Tissue Society, Prague, Czech Republic. (Dr. Hamid Saeed)

5. Institutional Linkages

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

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

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

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

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

1.2 MS and Ph.D. Programmes



- i. M.Phil. Solid State Physics
- ii. M.Phil. Microelectronic Engineering & Semiconductor Physics
- iii. MS. Nanotechnology
- iv. Ph.D. Solid State Physics
- V. Ph.D. Microelectronics/ Nanotechnology

1.3 Academic Achievements

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: **4220**
- Number of M.Phil. students enrolled: **107**
- Number of Ph.D. students enrolled: **25**
- Number of students completing Ph. D. degree: **04**
- Number of students completing M.Phil. degree: **42**
- Additions or improvements in teaching & research laboratories

1.4 Foreign Academic Linkages

At International level

1. School of Chemistry, University of Manchester. UK
2. Chinese Academy of Sciences, China
3. Laser Centre-University Technology Malaysia
4. Institute of Electronics York University, York, UK

1.6 Institutional Linkages

At National level

1. University of Engineering & Technology, Lahore.
2. Islamia University, Bahawalpur
3. Lahore College for Women University, Lahore
4. Govt. College University, Lahore



5. Bahauddin Zakariya University, Multan
6. Forman Christian College, Lahore
7. National Centre of Physics, Islamabad

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

Academic Activities

- Undergraduate and Postgraduate Programmes
- MS and Ph. D. Programmes

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Telephone (s): +92-42-99230625, 99230587
Fax Number (s): +92-42-99230624
E-mail Address (s): cimrpu87@gmail.com. Director.cimr@pu.edu.pk

❖ Academic Achievements

• 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 08 and 18 students thus a sum of 26 students are enrolled for year 2014-2015. The total numbers of student who have completed their Masteral degree in period are 23.

• 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 running M.Phil. and Ph.D. Programmes in Geo-Conservation and Sustainable Development (GCSD). Total strengths of 10 and 20 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

CENTER FOR UNDERGRADUATE STUDIES

Telephone (s): +92-42-99232068

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

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

Academic Activities

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): +92-042-99233121

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

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

Undergraduate and Postgraduate Programs

BS Environmental Sciences (Morning & Evening)

M.Sc Applied Hydrology

MSc. Tourism and Hospitality Management (THM)

MS/M.Phil and PhD Programmes

MS Environmental Sciences

Ph.D Environmental Sciences

M.Phil Applied Hydrology

Ph.D Applied Hydrology

Academic Achievements

1. Revision of Syllabi of BS Environmental Sciences, M.Sc. Environmental Sciences, M.Sc. Applied Hydrology, M.Sc. Tourism and Hospitality Management and



preparation of New Syllabi for MS Environmental Sciences, M.Phil Applied Hydrology and PhD Environmental Sciences.

2. Faculty members of the CEES have attended and presented papers in different Conferences, Workshops and Seminars.

Institutional Linkages

1. With WWF (Pakistan)
2. With KTWMA, Kasur (Pakistan)

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

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

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

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

1.1. Undergraduate and Postgraduate Programmes

- i. BS (H) in Statistics – Regular & Self Supporting Undergraduate
- ii. M.Sc. Statistics – Regular & Self SupportingPostgraduate
- iii. M.Sc. Actuarial Science – Regular & Self SupportingPostgraduate
- iv. M.Sc. Biostatistics – Self SupportingPostgraduate
- v. Master of Information and – Self SupportingPostgraduate Operational Management (MIOM)
- vi. M.Sc. Business Statistics – Self SupportingPostgraduate and Management (MBSM)

1.2. MS and PhD Programmes

- i. M.Phil – Regular
- ii. PhD – Regular

1.3. Academic Achievements

- i. Admissions to all the academic programs were successfully made;
- ii. 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:**

- *6 M.Phil. and One Ph.D. Degrees are awarded.*

DEPARTMENT OF MATHEMATICS

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

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

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

- **Undergraduate and Postgraduate Programmes**

BS 4 Years

M.Sc. 2 Years (Morning/Self Supporting)

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

M.Phil. 2 Years

Ph.D. 3-5Years

- **Academic Achievements**

04 Ph.D. Scholars completed their Ph.D.

18 M.Phil. Scholars completed their M.Phil.

71 M.Sc. students completed their M.Sc.

23 BS students completed their BS.

- **Foreign Academic Linkages**

i- School of Mathematical Sciences, Universiti Sains Malaysia, Penang, Malaysia

ii- School of Engineering, Manufacturing and Mechanical Engineering, University of Birmingham, UK.



- **Honours and Awards**

Best Research Paper Award awarded by Higher Education Commission (March 13, 2015).

- **Institutional Linkages**

- External Examiners from different 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 & Evening)Postgraduate

- **MPhil and PhD Programmes**

- M.Phil – Regular
- PhD – Regular

- **Academic Achievements**

The total number of students who have completed their degrees during 01.10.2014 to 30.09.2015 is 72 (18 BS, 43 MSc. 9 MPhil and 2 Ph.D.).11 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, 99233107

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

1.1 Undergraduate and Postgraduate Programmes

- i. B.S in Space Science..... Undergraduate
- ii. M.Sc. in Space Science Postgraduate

1.2 MS and PhD Programmes

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

1.3 Academic Achievements

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

1.6 Institutional Linkages

- i. SUPARCO
- ii. Urban Unit
- iii. WWF
- iv. NESPAK
- v. Soil Survey of Pakistan
- vi. Geological Survey of Pakistan
- vii. Pakistan Water Research Council
- viii. Pakistan Meteorological Deptt.
- ix. Punjab Forest Department
- x. PMDFC

INSTITUTE OF CHEMISTRY

Telephone (s): +92-42-99230463

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

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

○ Academic Activities

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

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

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

1.1 Undergraduate and Postgraduate Programs (for the year 2014-2015)

During the academic session 2014-2015 the Institute of Geology enrolled 120 students in BS Applied Geology (04 years) First Professional, Morning & Replica, while 35 students in M.Phil Applied Geology and 04 students admitted in Ph.D. Applied Geology degree programs.

1.2 M.Phil/PhD Programs

Presently the Institute of Geology is running following M.Phil. / PhD programs with total strength of 63 students.

- M.Phil. Applied Geology
- PhD Applied Geology

1.4 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



1.5 Honors and Awards

Students of the Institute of Geology won 1st and 3rd prize in research paper competition in the SPE-PAPG Annual Technical Conference-2014 held from November 25-26, 2014.

1.6 Institutional Linkages

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

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

Telephone (s): +92-42-99210969

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

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

○ **Undergraduate and Postgraduate Programmes**

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

○ **MS and PhD Programmes**

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

○ **Academic Achievements**

- 100% increase in student intake at BS level
- Increase in PhD Faculty from 12 to **16**
- No. of publications remains constant as compared to previous year.



CENTRE FOR GEOGRAPHICAL INFORMATION SYSTEM (GIS)

- Undergraduate and postgraduate program (**for the year 2014-15 in text**)

Center for Geographical information System (GIS) offering postgraduate program i.e, MSc. and MPhil.(RS & GIS). It is worth mention that during last two academic sessions (2014-16), center for Geographical Information System (GIS) has celebrated **GIS day on 19th of November**, an activity that was not been celebrated in previous Academic Sessions.

SCHOOL OF PHYSICAL SCIENCES

Telephone (s): +92-42-99230234

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

School of Physical Sciences (SPS) was established in year 2009 and involved to facilitate research at graduate and postgraduate level. The advance research laboratories of SPS have established on 2nd floor of undergraduate block. In collaboration with ORIC, School of Physical Sciences (Chemistry Section) has organized different conferences and workshops in the past and currently involved in provision of research facilities to the students and researchers of collaborating institutes.

School of Physical Sciences, University of the Punjab has involved in research related to advanced chemistry, molecular sciences, and material sciences due to reason that laboratories are well equipped with different advanced instruments. School of Physical Sciences is providing facilitation to students of different departments inside the university as well as to students belong to different outside organizations. In future with the establishment of more collaborations with other organizations in and outside the University of the Punjab, SPS will further enhance the contribution in research. SPS is currently facing faculty shortage and in order to meet emerging challenges of research and teaching in physical, biochemical and molecular sciences there is need of more funding to institute.

In School of Physical Sciences following faculty members are working.

1. Director General
2. Professor, Chemistry (1)
3. Assistant Professor (1)

At present following supporting staff is working at School of Physical Sciences.

1. Chief Technician (1)
2. Junior Clerk (1)
3. Naib Qasid (1)
4. Frash (2)
5. Sweeper (1)

The main function of the School is to conduct research and to organize workshops in domains of physical, biochemical and molecular sciences.

Academic Activities

- **M. Phil and PhD Programmes**



School of Physical Sciences is planning to start M. Phil and PhD degree programs in the fields of Chemistry, Biochemistry, Physics, Solid State Physics and Space Science. However, currently SPS is facilitating students and researchers from University of the Punjab and other organizations in their research. Currently, 18 BS (Hons)/M.Sc, 12 MS/M. Phil and 08 Ph. D students are using Laboratories of School of Physical Sciences in their current research projects.

- **Academic Achievements**

In School of Physical Sciences up till now 28 M. Phil students and 01 PhD have completed part of their research projects related to physical, biochemical and molecular sciences.

- In School of Physical Sciences we are also generating funds by doing sample analysis on different research instruments of different institutions.

Punjab University Gujranwala Campus

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

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

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

1.1 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

1.6 Institutional Linkages:

All the four departments at the Gujranwala Campus i.e., Business Administration, Commerce, Information Technology, and Law, are working in collaboration with the parent departments at Lahore.

Punjab University Jhelum Campus

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

- Undergraduate and Postgraduate Programmes (**for the year 2014-15 in text**)
 - **BS (Hons) Computer Science,**
 - **BBA (Hons)**
 - **B.COM (Hons)**
 - **LL.B.**
- Academic Achievements (**for the year 2014-15**)
 - **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 2014-15** An Overview (5 – 10 lines)

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 2014 to September 2015, the Centre has organized eighteen seminars in collaboration with Department of Political Science, University of the Punjab, Lahore. The Centre has published five publications (1book and 2 issues of its Bi-annual journal - South **Asian Studies** i.e. Vol.29 No.2 & Vol. 30, No.1).

- Publications: Books/ Edited

Books:

1. Prof. Dr. Umbreen Javaid, **South Asia Regional And Global Issues**, 2015.

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

Seminars

1.	One Day training Workshop on “Human Rights”	Ministry of Law, Justice and Human Rights and Strengthening Participatory Organization (SPO)	12-11-14
2.	One day Seminar “Time Management in Ph.D Research”	Dr. Muhammad Ahsan, Academic research Consultant, United Kngdom.	20-11-14
3.	One Day Lecture “Social Policy Models and Social Quality in Reference to	Prof. Lin Ka, College of Public Administration, Zhejiang University and Pamela Abbott,	21-11-14



	the Chinese Experience” and Going Beyond GDP and Happiness: Creating a Decent Society”	University of Aberdeen.	
4.	One day Lecture “Negotiating Ethnicity: Experiences of South Asian Americans”	Dr. Bandana Purkayastha Prof. of Sociology and Asian American Studies, University of Connecticut, United States.	24-11-14
5.	One day Seminar “Pakistan and the International Scenario: Key Challenges”	Prof. Dr. Mujahid Kamran Vice Chancellor Punjab University and Mowahid Hussain Shah Political Analyst, Writer, Attorney at Law	09-12-14
6.	Book Launching “South Asia and the World”	Prof. Dr. Mujahid Kamran Vice Chancellor University of the Punjab, Lahore.	28-01-15
7.	One Day Seminar on “Kashmir Solidarity Day”	Prof. Dr. Rasheed Ahmad Khan Chairman Dept. of International Relations University of Sargodha.	04-02-15
8.	Future Prospects of Pakistan-India Relations	Aizaz Ahmad Chaudhry, Foreign Secretary of Pakistan, Prof. Dr. Mujahid Kamran, University of the Punjab, Lahore.	18-03-15
9.	Right to Information Act 2013	Mukhtar Ahmad Ali Member Information Commission of Punjab	26-03-15
10.	Middle East Crisis and Pakistan	Brig (R) Nadir Mir University of the Punjab	15-04-15
11.	The Complexity of Yemen Crisis	Former Ambassador Mazhar Qayyum	16-04-15
12.	Iran and Middle East	Dr. Clenent	24-06-15

Research Journals 2014-15 (Authors name, Article name, Journal with date)

Centre for South Asian Studies, University of the Punjab, Quaid-e-Azam Campus, Lahore, regularly publishes a Bi-Annual Research Journal, **South Asian Studies**. The following issues have been published during the required period.

1. **South Asian Studies**, Vol.29, No.2,
2. **South Asian Studies**, Vol. 30, No. 1,



COLLEGE OF ART & DESIGN

- (i) Prof. Dr. Shahida Manzoor has launched a new project entitled “Contemporary Art in Pakistan (Part-II)”
- (ii) Prof. Dr. Shaukat Mahmood has launched a new Project entitled “Historical Muslim Tomb in Pakistan”
- (iii) Prof. Dr. Nasim Akhtar Said has launched a new book entitled “Gardens of Lahore: Historiography of Lahore Darbar”

• Publication

Besides, the following articles have been published by Prof. Dr. Shaukat Mahmood during the period in question:

Publications 2015 by Prof. Dr. Shaukat Mahmood

1. Heritage on Death-bed.

Sunday Plus of Daily ***The Nation***

January 11, 2015,

2. The (Nav) Ratna (Jewels) of Akbar, the great

Designers' Style

Vol 4, No.2, 2014.

3. Ghazni, a city fallen into oblivion

Designers' Style

Vol. 4, No.2, 2014.

4. Taj Mahal : A tear drop on the cheek of time.

Designers' Style

Vol.4 No.3, 2015.

5. The versatile brick of Cholistan

Issue 24, March 2015

Heritage, Islamabad.

6. Amazing Islamic Tombs.

Issue 24, March 2015

Heritage, Islamabad.

7. Razia Sultana : The first Muslim Queen of India.

Issue 24, March, 2015

Heritage, Islamabad.

8. Ain Zubeida : A miracle of Engineering



Issue 24, March 2015

Heritage, Islamabad,

9. The Guru and his Panja

Sunday Plus of Daily **The Nation**

May 03, 2015.

10. The Versatile brick of Cholistan

Issue 24, May, 2015,

Heritage, Islamabad.

11. Amazing Islamic Tombs

Issue 24, May, 2015,

Heritage, Islamabad.

12. Razia Sultana: The first Muslim Queen of India

Issue 24, May, 2015,

Heritage, Islamabad.

13. A Miracle of Engineering : Ain Zubeida

Issue 24, May 2015,

Heritage, Islamabad.

14. From Meena Bazar to Taj,

Issue 24, May 2015

Heritage, Islamabad.

15. Architectural Heritage:

Future Uncertain.

Designers' Style,

Vol. 4, No.4, April 2015.

16. Fasting in Islam and through the ages

Sunday Plus of Daily **The Nation**

June 21, 2015.

17. Tracing Peshawar's History

Sunday Plus of Daily **The Nation**

June 12, 2015

18. A monument in Distress

(Tomb of Mian Ghulam Shah Kalhor)

Sunday Plus of Daily **The Nation**

August 2, 2015.



19. The Jhule Lal of Sehwan

Sunday Plus of Daily ***The Nation***

August 09, 2015.

20. City of Wrestlers

Sunday Plus of Daily ***The Nation***

August 16, 2015.

21. Wazirabad : Revisited

Sunday Plus of Daily ***The Nation***

August 23, 2015.

22. The Panja and Panja Saheb

Designers' Style

Vol.5 No.1, July 2015.

23. Sukkur and its Mir

Sunday Plus of Daily ***The Nation***

August 30, 2015.

24. Bihari : A Unique script

Heritage Issue 25

Islamabad.

25. Bullhay Shah in Paintings

Heritage Issue 25

Islamabad.

26. The Panja and Punja Saheb

Heritage Issue 25

Islamabad.

27. Peshawar : One of the oldest cities

Heritage Issue 25

Islamabad.

28. Masjid Mahabat Khan

Heritage Issue 26.

Islamabad.

29. The Saint of Sehwan

Heritage Issue 26

Islamabad.



30. Untold History of Sukkar Monuments

Heritage Issue 26

Islamabad.

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.

Prof. Dr. Mehmood Hussain:

1. Presented paper at the International Conference on Architectural Education in Islamabad on Reorganizing the Architectural Education on Pakistan during December 19-21, 2015.

Dr. Ahmad Bilal:

2. Bilal, A., 2015a. New Developments in Pakistani Cinema. In P. Drummond, ed. The London Film and Media Reader 3: Sixty Essays from FILM AND MEDIA 20 Bilal, A., 2015a. New Developments in Pakistani Cinema. In P. Drummond, ed. The London Film and Media Reader 3: Sixty Essays from FILM AND MEDIA 2013, The Third Annual London Film and Media Conference, London: The London Symposium, 2015. London, pp. 527–535.
3. Bilal, A., 2015b. Recent Quest For Distinctive Identity in Pakistani Cinema. IJELLH, pp.58–79. Available at: <http://ijellh.com/papers/2015/May/06-58-76-May-2015.pdf> [Accessed May 29, 2015].13, The Third Annual London Film and Media Conference, London: The London Symposium, 2015. London, pp. 527–535.
4. Bilal, A., 2015b. Recent Quest For Distinctive Identity in Pakistani Cinema. IJELLH, pp.58–79. Available at: <http://ijellh.com/papers/2015/May/06-58-76-May-2015.pdf> [Accessed May 29, 2015].

Dr. Kanwal Khalid:

1. Two papers published In Oriental College Magazine.
2. Paper published in Journal of History Department of Punjab University.
3. Paper published in the Research Journal of THAAP.

• Conferences, Seminars and Workshops, etc.

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



- **2015:** A lecture on “Mysticism” on 21.10.2015 at 11.00 a.m. in PURAF Art Gallery of UCAD. Ms. Faiza, Hast o Neest, Gulberg, Lahore was the guest speaker.
- **2015:** Memorandum of *Bahu* at PURAF Art Gallery of UCAD on 25.5.2015.
- **2015:** ART BEAT RESIDENCY: National Child Art Competition and Exhibition at PURAF Art Gallery of UCAD on 8.6.2015-19.6.2015.
- **2015:** ART BEAT: National Child Art Competition and Exhibition at PURAF Art Gallery of UCAD on 14.10.2014 at Alhamra Arts Council, Shahrah-e-Quaid-e-Azam, Lahore.
- **2015:** A Calligraphy Painting Exhibition “Nukta” on 28.5.2015 at 11.00 p.m. in Ocean Art Gallery by Mr. Arif Khan, Assistant Professor, UCAD, PU, Lahore.
- **2015:** A lecture on “Tips on Making Good Presentation and Thematic Approach of Sadequain on Gallery Sadequain at Frere Hall” on 30.4.2015 at 11.00 a.m. in Anna Molka Art Gallery of UCAD. Prof. Dr. Umaira Hussain, Govt. DAE College for Women, Karachi was the guest speaker.
- **2015:** A Seminar on “Artist’s Knowledge and Practice: How to Strike a Balance?” on 9.3.2015 in PURAF Art Gallery of the Research Centre of UCAD. Prof. Dr. Khaleeq-ur-Rehman, Head, Department of Urology & Andrology, FMH College of Medicine and Dentistry, Lahore was the guest speaker.
- **2015:** A Presentation / Discussion by Mr. Sami ur Rehman and Mr. Umair Ghani on “Photography and Innovation” held on 05.03.2015 at 11.30 a.m. in the Anna Molka Art Gallery of UCAD.
- **2015:** A Presentation / Discussion by Mr. Irfan Hassan on “Artist’s Talk: Work in Progress” held on 04.03.2015 at 11.30 a.m. in the Anna Molka Art Gallery of UCAD.
- **2015:** An Artist Talk on Work in Progress by Ms Saba Khan, A Visual Artist graduated from Boston University held on 25.02.2015 at 12.00 noon in the Anna Molka Art Gallery of UCAD.
- **Research & Development – An Overview**
 - (i) Prof. Dr. Shaukat Mahmood was serving as an HEC Professor under foreign Faculty Hiring Programme for the last 8 years.
 - (ii) After expiry of the FFHP Prof. Dr. Shaukat Mahmood and Prof. Dr. Naseem Akhtar Said have been serving as Professor (on contract basis). They are



actively engaged with students, research projects and the course work as well.

- **Projects**

- (i) **Completed**

- “Contemporary Art in Pakistan”

- “Architecture Pakistan”

- “Lahore’s Monumental Architecture through the Ages: Historiography of Preservation”

DEPARTMENT OF ARCHAEOLOGY

- Projects: (i) Completed **03**

- Publications **03**

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

Publications

- **Dr.Amra Raza, Chairperson**, published the following papers:
- **‘Using Pakistani Literature for English Language Instruction at the Undergraduate Level at the University of the Punjab’** in Journal of Research (Humanities), Vol. LI, Jan., 2015, Department of English, University of the Punjab, Lahore, January, 2015.
- **‘Dario Fo’s Dynamic Frameworks in *Trumpets and Raspberries*’** by Dr. Amra Raza, Journal of Research Society of Pakistan, University of the Punjab, Lahore, Volume 52(1), Jan. to June, 2015.
- **Mr.Khurshid Alam, Assistant Professor**, published a paper titled **Language, Hetroglossia and Identity in Twilight in Delhi** Journal of South Asian Studies Vol. 30., No.2, July – Dec. 2015.
- **Research papers presented at Conferences**
- **Mrs.Iffat Sayeed, Assistant Professor**, presented a paper titled **“Convergence of Politics and Aesthetics in the Poetry of Yasmeen Hameed”** at International Academic Forum in Brighton, England on 12th July 2015.
- **Mr.Khurshid Alam, Assistant Professor**, presented a paper titled **“Narrativizing Identity”** at Lahore School of Economics in April 2015.
- Also presented a paper titled **“Hetroglossia in Twilight in Delhi”** at Imperial College of Business Studies, Lahore in April 2015.
- **Mr. Shahzeb Khan, Assistant Professor**, presented a paper titled **“Guarded Narrative Space in Mohsin Hamid’s *Mothsmoke*”** at 15th Annual SALA Conference:



Beyond Borders, Boundaries and Margins. 6th and 7 th January, 2015. The Listel Hotel, Robson Street, Vancouver, British Columbia, Canada.

- Also presented a paper titled **“Administering Literary Poison: The Dangers of Teaching English Literature in Exclusivity”** at 3 rd Annual Social Science Conference at Lahore School of Economics. Lahore. 2nd and 3rd of April 2015.
- **Conferences, Seminars, Workshops etc.**
- **Dr.Amra Raza, Chairperson Department of English**
- Attended book launching ceremony South Asia and the World edited by Prof. Dr. Umbreen Javaid on January 28, 2015, Centre for South Asian Studies, University of the Punjab, Lahore.
- Hosted Bilingual Poetry Competition on 19th February, 2015 in the Department of English, Punjab University, Lahore.
- Hosted an interactive session Pakistani Poetry in English, 27th March, 2015 at the Department of English Language & Literature, Punjab University, Lahore.
- Arrange and Hosted the First Annual Alumni Reunion Dinner 27th March, 2015 in the history of the Department of English Language and Literature, Punjab University.
- Participated in talk by Dr. MunazzaYaqoob on her book "Muslim Women Writers of the Subcontinent" .April 23, 2015 Department of English Punjab University, Lahore.
- Hosted Seminar on “Prof. Attiya Syed and her Literary Contributions” April 2015 in the Department of English Language and Literature, Punjab University, Lahore.
- Hosted the First Departmental Photography Competition on 20th May, 2015 in the Department of English Language and Literature, Punjab University, Lahore.
- Conducted workshop on Shakespeare Language and Setting, Aitchison College, Lahore, 20th November 2014
- Was the moderator for Lahore Literary Festival (LLF) 2015 Session on: ShadabZeest Hashmi and English Ghazal held at Al-Hamra Hall 4, The Mall Lahore on 21st February, 2015.
- Was the Guest of honour at Women’s Day Celebrations 2015 at Govt. Degree College (W), Marghzar Colony, Lahore, 4th March, 2015.
- Chaired **Session on Literary Studies** at Conference on Language, Literature and Culture at Imperial College of Business Studies, Lahore. April 15, 2015.
- Chaired session on Film produced by Dr. Furrukh Khan (LUMS) titled "Womens Oral Partition Narratives" at National Conference in LCWU on April 24, 2015.



- Was the Guest of Honour in the launching ceremony of Two Pieces of Fiction Writing (Kogon Plan & The Dead river) organized by the University of Management & Technology at Avari Hotel on May 6, 2015.
- Attended Workshop for the Editors of HEC Recognized Journals of Punjab Region at HEC Regional Centre, Lahore – (19-20 August, 2015).

- **Research Journals**

- Journal of Research (Humanities) HEC recognized 'Z' category
- Journal of English Studies

- **Research Collaboration**

Foreign Linkages

St. Andrews University, Scotland.

DEPARTMENT OF PHILOSOPHY

- **Research & Development 2014-15** An Overview (5 - 10 lines)

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

Publications: Books/ Edited'

Two books published

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

Author's Name	Book Title	Duration	Sponsoring agency
Dr. Abdul Khaliq	As I Look Back	2014	University of the Punjab, Lahore
Dr. Ali Raza Tahir (Translator)	Muslim Phalsafy Kay Masail	2014 to 2015	University of the Punjab, Lahore

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

The Department arranged Iqbal Memorial Lecture and University of the Punjab sponsored for this seminar.

- **Research Journals 2014-15 (Authors name, Article name, Journal with date)**

The Department of Philosophy publishing research journal Al-Hikmat 2014-2015

Author's Name	Article Name	Journal	Date
Dr. Ali Raza Tahir and Aqsa Abdul Muqeet Khan	The Marginalization of Islam – A Quest of Sacred Science	Al-Hikmat Volume 2014	March 2015



Dr. Ali Raza Tahir	ابن سینا اور علامہ محمد اقبال	Al-Hikmat Volume 2014	March 2015
Dr. Abdul Hafeez Fāzli	وحدت الوجود، وحدت الشہود اور وحدت شہادین	Al-Hikmat Volume 2014	March 2015
Dr. Abdul Hafeez Fāzli	مسئلہ تقدیر	Al-Hikmat Volume 2015	March 2015
Rasheed Arshad	“Hikmat e Yonani o Emani”	Al-Hikmat Volume 2014	March 2015
Rasheed Arshad	“Falsafay ki Mazhabi Zarorat “	Al-Hikmat Volume 2015	March 2015

DEPARTMENT OF HISTORY AND PAKISTAN STUDIES

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

Department is planning to greatly strength the Ph. D programs. Six students have completed M. Phil in History and in this connection our Two Teachers have completed Ph. D and Three teachers are currently working on their Ph. D dissertations’. They are expected to complete their Ph. D in 2016.

Students Completing their Ph. D

28 students doing Ph. D from History Department as regular

**Publications:**

1. Articles of Prof. Dr. Muhammad Iqbal Chawla
2. Articles of Dr. Faraz Anjum
3. Articles of Dr. Rukhsana Iftikhar
4. Articles of Mr. Mahboob Hussain
5. Dr. Naumana Kiran
6. Ghazi Muhammad Abdullah
7. Robina shoeb

Authors Name	Book/Article Name
Prof. Dr. Muhammad Iqbal Chawla	Articles 1. (2015) "Sufism and Sufi Practices in Pakistan: A Case Study of 'Notan Wali Sarkar (1917-1994)'" 2. Mughal – Sikh Relations: Revisted 3. Islamization in Pakistan: An overview 4. Intellectual Resistance to extremism In Pakistan: A Historical Discourse
Dr. Faraz Anjum	1. Travel Writing, History and Colonialism: An Analytical Study
Dr. Rukhsana Iftikhar	1. Working classes in Mughal India 2. Institutionalized Sexuality: Slavery and Harem in Imperial India Cultural. 3. Colonial Legacies: women Education under British rule in 19 th century India
Mahboob Hussain	1. Power Dynamics of State Institutions in Pakistan, Discourse Analysis of Bureaucracy and the Legislature (1971-1977)
Dr. Naumana Kiran	1. Z.A. Bhutto's cabinet; a Study of its role in Formulation of economic and Foreign policy. 2. Role of the Marginalized groups of the Punjab in the Pakistan Movement (1940-1947)



Ghazi Muhammad Abdullah	1. Making of the constitution of 1956 and the Political Leadership: The role of Chaudhury Mohammad Ali.
Robina shoeb	1. Women Empowerment – challenged and Opportunities: Pakistan Perspective

Research Collaboration:

- Indigenous : 1 Student Ghazi Muhammad Abdullah is doing Ph. D benefits from the HEC 5000 indigenous Scholarship

DEPARTMENT OF LITERARY HISTORY

1. Completed and published a 600 page book titled Tareekh-e-Adabiyat Vol VI of Urdu Literature. Most of the articles were written and edited by Kh. Muhammad Zakariya (Director of the Deptt.)
2. A short History of Literature is being prepared during the year under review.

RESEARCH SOCIETY OF PAKISTAN

Telephone (s): +92-42-99231176

PUBLICATIONS

- Research Journal**
- (i) Published in January to June 2014
 - (ii) July to December 2014
 - (iii) January to June 2015

UNDER PRINT JOURNAL

- (i) July to December 2015

PUBLICATION of BOOKS

Books Under Print

- (1) Socio-Economic Cooperation between India and Pakistan
Challenges and Prospects

Number of Books in the Library

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

**Number of Publication**

Titled of Books so far books published by the Research Society of Pakistan 112 Books.

Faculty of Behavioral & Social Sciences**DEPARTMENT OF GENDER STUDIES**

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

DEPARTMENT OF POLITICAL SCIENCE

2.2.1. Completed

Sr. No.	Name of Faculty Member	Titled of Project	Funded By	Year of Completion
1	Prof. Dr. Umbreen Javaid	"A Review of Pakistan-China Strategic Relations from the social aspect"	Dept. of Social Security and Risk Management Zehjiang Uni, China	2015
		"Scientific Study of India"	Inter-Services Intelligence (ISI), Islamabad	2015
		"Local Self Government: A Pathway to Good Governance" (Work as Principal Investigator)	Planning Commission (Ministry of Planning)	2015
		"Reviewing Security Calculus in South Asia"	Punjab University	2015
2	Prof. Dr. Iram Khalid	Local Self Government: A Pathway To Good Governance (Work as CO-PI)	Planning Commission (Ministry of Planning)	2015
		Militancy and Counter Militancy measures: Impact on Pakistan's Foreign Policy	Punjab University	2015



3	Dr. Rana Eijaz Ahmad	Disintegration is a Windfall or Downfall in the Perspective of Kezimierz Dabrowski's Theory of Positive Disintegration: A Case of Pakistan.	Punjab University	2015
4	Dr. Rehana Saeed Hashmi	Local Self Government: A Pathway To Good Governance (Work as CO-P2)	Planning Commission (Ministry of Planning)	2015
		" Baloch Ethnicity: An Analysis of the Issue and Conflict with State"	Punjab University	2015
5	Dr. Mubeen Adnan	Strategic & Economic Interests of Pakistan & India in Central Asia	Punjab University	2015
6	Dr. Gulshan	Human Needs Theory A Significant Approach to Manage Ethnic Conflicts in Pakistan	Punjab University	2015
7	Ahmad Ali Naqvi	Re-conceptualizing Security Strategy for Lahore.	Punjab University	2015

2.3. Publications

Books**Prof. Dr. Umbreen Javaid**

1. South Asia: Regional and Global Issues" Edited by Prof. Dr. Umbreen Javaid (Publisher Centre for South Asian Studies, University of the Punjab, Lahore 2015).

Research Publications

Sr. No.	Name of Author	Title of Paper/Article
1	Prof. Dr. Umbreen Javaid	"China-Pakistan Future Prospects and their Strategic Compulsions" by Dr. Umbreen Javaid, Journal of Political Studies, Vol. 22, No. 1, Summer 2015
2		"Security Dilemma in South Asia" by Dr. Umbreen Javaid & Marium Kamal, Journal of Political Studies, Vol. 22, No. 1, Summer 2015
3		"Oil and Gas Potentials of Central Asian Republics and Relations with Pakistan" by Dr. Umbreen Javaid & Azhar Rashid, Journal of South Asian Studies, Vo. 30, No. 1, 2015 (HEC recognized Category "X")



4		"Corruption Pervades Poverty: In Perspective of Developing Countries" by Dr. Umbreen Javaid & Dr. Saadat Faruq Zahid, Journal of South Asian Studies, Vo. 30, No. 1, 2015 (HEC recognized Category "X")
5		"Peace in Sri-Lanka" by Dr. Abdul Majid, Dr. Umbreen Javaid & Dr. Saadat Faruq Zahid, Journal of South Asian Studies, Vo. 30, No. 1, 2015
6		"Low Cast Lead-Zion Fascism at its Best" Journal of South Asian Studies, Vol. 29, No. 2, 2014 (HEC Recognized Category "X")
7		"Post 9/11 US Policies and South Asia" Journal of Political Studies, Vol. 21, Issue 2, Summer 2014, (HEC recognized category "X").
8		"Patterns of Political Perceptions, Attitudes and Voting Behaviour: Influence of Media" Journal of South Asian Studies, Vol. 29, No. 2, 2014 (HEC Recognized Category "X")
9		"Compulsions of Sino-Pakistani Strategic Engagement in lieu of Security Constraints Engendered by the Anarchistic International Political System", Journal of South Asian Studies, Vol. 29, No. 2, 2014
10	Prof. Dr. Iram Khalid	"An Analysis of the Relationship Between Local and Provincial Governments in Pakistan (2001-2009)" Journal of Political Studies, Vol. 22, No. 1, 2015.
11		"Role of Military as the Guardian of Democracy in Pakistan" Journal of Political Studies, Vol. 22, No. 1, 2015.
12		"Pakistan's Nuclear Development: (1974-1998) External Pressures" Journal of South Asian Studies, Vo. 30, No. 1, 2015
13		"The Homeland Security Initiatives for Pakistan: A Grand Strategy" Journal of South Asian Studies, Vo. 30, No. 1, 2015
14		"Radicalization of Youth in Southern Punjab" published in Journal of South Asian Studies, Vol. 29, Issue 02, 2014.
15		"Conflict In Waziristan" published in Journal of South Asian Studies, Vol. 29, Issue 02, 2014.
16		"An overview of South Asian Security Physiognomies in the context of Regional Power Balance Strategies" published in Journal of Political Studies, Vol. 21, Issue 02, 2014.
17	Rana Eijaz Ahmad	Framing of Women in Politics: A Case of Pakistani Elections 2013 in Journal of Political Studies, Vol. 22, Issue 01 Summer 2015.
18		"Building Civility and Global Citizenship through Share Values" in Journal of Al-Qalam, University of the Punjab, Vol. 20, Issue 01, 2015.
19		"Pakistan: A Case of Individual Vigilance" published in Journal of South Asian Studies, Vol. 29, Issue 02, 2014.



20		"Political Institutions: Growth and Development in Pakistan- 2008-2013" published in Journal of Political Studies, Vol. 21, Issue 02 Winter 2014.
21	Dr. Rehana Saeed Hashmi	Politics of Ethnicity: A theoretical perspective by Rehana Saeed Hashmi & Gulshan Majeed, Journal of South Asian Studies, Vo. 30, No. 1, 2015
22	Dr. Mubeen Adnan	The Kargil Crisis 1999 and Pakistan's Constraints, Journal of Political Studies, Vol. 22, No. 1, 2015.
23		"Foreign Policy and Domestic Constraints: A Conceptual Account" Journal of South Asian Studies, Vol.29, No.2 2014.
24	Dr. Gulshan Majeed	Politics of Ethnicity: A theoretical perspective by Gulshan Majeed & Rehana Saeed Hashmi, Journal of South Asian Studies, Vo. 30, No. 1, 2015
25		"Problems of National Integration in Pakistan" published in 'Journal of Political Studies' (HEC recognized, category 'X'), Vol.21, Issue-2 Winter 2014.
26	Ahmad Ali Navi	Pakistan-Afghanistan Relations Post 2014: Impacts on Pakistan's Security, Journal of Political Studies, Vol. 22, No. 1, 2015.
27		"Desiring Enemy: An Ontological Reading of the Military Operations and Small Wars on the North West Frontier" in winter 2014 issue of 'Journal of Political Studies' Vol 21, Issue 2
28		"War Making and State Making in Pakistan" in winter 2014 issue of 'South Asian Studies: Research Journal of South Asian Studies' Vol. 29, No. 2, (An HEC recognized X category journal).

2.4. Conferences / Seminars and Workshops etc

International Conferences

Prof. Dr. Umbreen Javaid, Chairperson

1. Attended an International Conference on '4th Istanbul Human Security Conference' at Istanbul - Turkey and presented a paper titled 'Pakistan's Military Operation against Religious Militants in North Waziristan: Issue of Internally Displaced Persons - a Challenge to Human Security' on 24th to 25th, October, 2014.

Dr. Rana Eijaz Ahmad, Assistant Professor

2. Presented a paper titled Disintegration is a Windfall or Downfall in the perspective of Kezimirz Dabrowski's theory of positive disintegration: A case of Pakistan in an International Conference scheduled on October 18-20, 2014 in New York, US.

Muhammad Sajid, Assistant Professor

3. Presented a paper titled *"Mapping separatism through Lenses of contentious politics: A Comparative case study of separatist movements of Bangladesh and Baluchistan"* in ICEMH conference held in Thailand 29-30 July 2015.



Ahmad Ali Naqvi, Lecturer

4. Presented a paper titled "Politics of Inclusivity: A Case of Religious Minorities in Pakistan" in "Annual Conference of International Journal of Arts and Sciences" held in Vienna, Austria from April 19th-23rd, 2015.

**Seminars / Workshops / Lectures etc
(National)**

- Organized a lecture on "Promoting Culture of Civic Learning in Co-curricular Activities" on 18th September, 2015.
- Organized a general discussion on "significance of Pakistan Movement" in the Centre for South Asian Studies on 13th August, 2015.
- Organized a seminar on "Pakistan Movement" by Shabbir Ahmad Khan delivered a lecture on 13th August, 2015.
- Organized a seminar on "Karachi Security situation and National Importance" on 29th June, 2015.
- Organized a seminar on "Iran and Middle East" by Dr. Clement Therme, French Scholar, delivered a lecture on 24th, June 2015.
- Organized a seminar on "Middle East Crisis and Pakistan" by Brig. (R) Nadir Mir, delivered a lecture on 15th, April 2015.
- Organized a seminar on "Yemen Crisis" by Former Ambassador Mazhar Qayyum, delivered a lecture on 16th, April 2015.
- Organized a seminar on "The Role of Women and Religion in Turkish Society" by Dr. Durmash Bulgur, Director Rummy Chair, University of the Punjab, Lahore delivered a lecture on 09th, April 2015.
- Organized a seminar on "Constitutional and political development in Modern Turkey" by Mr. Farukh Sohail Goindi, Writer/columnist delivered a lecture on 08th, April 2015.
- Organized the one day workshop on "Searching Strategies and Online Web Resources" by Dr. Shafiq ur REhman delivered a lecture on 3rd, April 2015
- Organized a seminar on "CV Writing" on 1st April 2015.
- Organized a seminar on "Punjab Transparency and Write to Information Act 2013" by Mr. Mukhtar Ahmad Ali, Member Information Commission, Punjab delivered a lecture on 26th, March 2015.
- Organized a seminar on "21st Century Challenges and the Youth" by Mr. Shujaat Ali Khan, delivered a lecture on 25th, March 2015.
- Organized a seminar on "Law of Sea" by Commodore S.M. Shehzad, Lahore delivered a lecture on 19th, March 2015.



- Organized a seminar on “Future Prospects of Pakistan-India Relations” in collaboration with The Lahore Council for World Affairs, Mr. Aizaz Ahmad Chaudhry, Foreign Secretary of Pakistan delivered the lecture on 18th, March, 2015.
- Organized the one day workshop on “Statistical Package of Social Sciences (SPSS)” by Miss Mariam Ahmad, Lecturer, Virtual University, Lahore on 17th, March, 2015.
- Organized a seminar on “Career Planning & Job Hunting” on 10th, March 2015 in collaboration with Career Counseling & Placement Centre, Lahore.
- Organized a seminar on “Negotiating Ethnicity: Experiences of South Asian Americans” by Dr. Bandana Purkayastha, Professor of Sociology and Asian American Studies, University of Connecticut, United States delivered the lecture on 24th, November, 2014.
- Organized a seminar on “Social Policy Model and Social Quality with Reference to China” by Lin Ka, and Pamela A. Abbot delivered the lecture on 21st, November, 2014.
- Organized the one day workshop on “Time Management in Ph.D Research” by Dr. Muhammad Ahsan from United Kingdom delivered the lecture on 20th November, 2014.

2.5. Research Journals

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

2.6 Research Collaboration

2.6.1. 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.

2.6.2. 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.



2.6.3. Funding Grants for R&D

Sr. No.	Name of Faculty Member	Titled of Project	Funded By	Amount Rs.	Year of Completion
1	Prof. Dr. Umbreen Javaid	"A Review of Pakistan-China Strategic Relations from the social aspect"	Dept. of Social Security and Risk Management Zehjiang University, China	485 USD (48500)	2015
		"Scientific Study of India"	Inter-Services Intelligence (ISI), Islamabad	150,000	2015
		"Local Self Government: A Pathway to Good Governance" (Work as Principal Investigator)	Planning Commission (Ministry of Planning)	800,000	2015
		"Reviewing Security Calculus in South Asia"	Punjab University	250,000	2015
2	Prof. Dr. Iram Khalid	Local Self Government: A Pathway To Good Governance (Work as CO-PI)	Planning Commission (Ministry of Planning)	--	2015
		Militancy and Counter Militancy measures: Impact on Pakistan's Foreign Policy	Punjab University	250,000	2015
3	Dr. Rana Eijaz Ahmad	Disintegration is a Windfall or Downfall in the Perspective of Kezimierz Dabrowski's Theory of Positive Disintegration: A Case of Pakistan.	Punjab University	150,000	2015
4	Dr. Rehana Saeed Hashmi	Local Self Government: A Pathway To Good Governance (Work as CO-P2)	Planning Commission (Ministry of Planning)	--	2015
		" Baloch Ethnicity: An Analysis of the Issue and Conflict with State"	Punjab University	150,000	2015
5	Dr. Mubeen Adnan	Strategic & Economic Interests of Pakistan & India in Central Asia	Punjab University	150,000	2015
6	Dr. Gulshan	Human Needs Theory A Significant Approach to Manage Ethnic Conflicts in Pakistan	Punjab University	150,000	2015



7	Ahmad Ali Naqvi	Re-conceptualizing Security Strategy for Lahore.	Punjab University	125,000	2015
---	-----------------	--	-------------------	---------	------

DEPARTMENT OF SOCIAL WORK

2. Research and Development

- Department of Social Work Organized s Seminar on International Human Rights day with the topic “Status of right day in Pakistan” in collaboration with Department of Human Right, Government of the Punjab on 10th December, 2014 at Al Razi Hall Undergraduate Block University of the Punjab, Lahore.
- Department of Social Work Organized a Seminar on “Empathy in Times of Indifference” & “Self Discovery” at the Department on April 15, 2015.
- Department of Social Work Organized a Seminar in collaboration with Community World Services on “Youth for Democratic Pakistan” at the Department on May 14, 2015.
- Department of Social Work Organized a Seminar on International Human Rights day with the topic “Status of right day in Pakistan, on 10th December, 2014 at Al Razi Hall, Undergraduate Block, University of the Punjab, Lahore.

INSTITUTE OF COMMUNICATION STUDIES

Completed Projects:

- A research Project on “Influence of Social Media & Socialization Agents on Consumers Purchase Behavior: Youth Perspective” funded by the University of the Punjab for the fiscal year 2014-15 submitted by Dr. Noshina Saleem.
- 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.
- Literature Review of the 21st Century: Patterns and Depictions of Muslims in Films. A project of 2014-2015 being carried out with the financial assistance of the Punjab University submitted by Dr. Abida Eijaz.
- Social Media and Sectarian Violence in Pakistan: Roles and Responsibilities funded by the University of the Punjab for the fiscal year 2014-15 submitted by Mr. Muhammad Shabbir Sarwar.



Publications:

Dr. Noshina Saleem

- Career Selection: Role of Parent's Profession, Mass Media and Personal Choice published in Bulletin of Education & Research, Punjab University (December, 2014) Vol 36, No 2, PP 25-37.
- U.S. Foreign Policy towards South Asia (2011-2012): Framing of Pakistan Press published in Journal of South Asian Studies, Punjab University (December, 2014) Vol 29, No 2, PP 421-431.
- US Foreign Policy Regarding War on Terror: Pakistani Press Coverage published in Journal of Social Sciences and Humanities (December, 2014) Vol 21, No 2, PP 83-100.
- Relationship between Doctors' Prescribing Behavior and Pharmaceutical Promotional Tools: A Pakistani Case published in Iranian Journal of Public Health (May, 2015) Vol 44, No 05, PP 709-710.
- Political Advertisements & Voters Behaviour in 2013 General Elections of Pakistan: Exposure vs Impact Analysis published in Journal of the Research Society of Pakistan (June, 2015) Vol 52, No 01, PP 09-26.
- Mass Media vs. Primary Group Influence on Voting Decision in 2013 General Elections of Pakistan published in Journal of Pakistan Vision (June, 2015) Vol 16, No 01, PP 203-214.

Dr. Bushra H. Rahman

- Media freedom for the loudest and powerful media owners: Neo liberalism a threat to media freedom published in Journal of Social Sciences and Humanities (Autumn 2014) Vol 22, No 02, PP 23-43.
- Pakistani women: An object of fear and 'othering' to be published in the upcoming issue of SAGE OPEN (November, 2014) DOI: 10.1177/2158244014556990
- Pakistani media an agent of conflict or conflict resolution: A case of Lal Masjid in Urdu and English dailies published in Pakistan Vision (2014) Vol. 15, No 02.
- Framing of women in politics: A case of Pakistani Elections 2013 published in Journal of Political Science (2015) Vol.22, No 02.

Dr. Abida Eijaz

- Framing of women in politics: A case of Pakistani elections 2013 Accepted for publication in the Journal of Political Studies, University of the Punjab (2015). Vol. 22 No 02.



- Building Civility and Global Citizenship through Shared Values” Accepted for publication in the Journal of Al-Qalam University of the Punjab (2015) Vol. 20 No 01.
- Politics of representation through the lenses of Al-Jazeera (The case of documentary film ‘Baluchistan: Pakistan’s other war In Journal of Social Sciences and Humanities (2014), Vol 53 No 01, PP 13-22.
- Challenges and Options for Pakistani Media in Twenty First Century published in Journal of Political Studies (2014), Vol. 21 No 01, PP 243-257.
- Pakistani Media as an Agent of Conflict or Conflict Resolution: A Case of Lal Masjid in Urdu and English Dailies published in Journal of Pakistan Vision (2014), Vol. 15 No 02, PP 276-302.

Ms. Savera 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. (2014) Vol 21, No 3, PP 180-185.

Dr. Ayesha Ashfaq

- Meet Uncle Sam as mediator: The image of the United States in political cartoons of Pakistan with reference to Kashmir dispute between Pakistan and India, Pakistan Journal of American Studies. (In Press)
- The effects of playing with white dolls in advertisements: A case study of young girls’ exposure towards ‘mediated beauty’ in Pakistan. The Women: Annual Research Journal of Women Studies. 6, 19-34. Retrieved from <http://www.igs.usindh.edu.pk/volume06/02%20Playing%20with%20White%20Dolls.pdf>
- 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

Conferences, Seminars, Workshops:

- Organized a seminar on “Seminar on "A New Wave of Indian Radicalism and Role of International Media” in the Hameed Nizami Memorial Conference Room, ICS on October



29, 2015. Prof. Dr. Mujahid Kamran presided this seminar and Mr. Rana Mashhood Khan was the chief guest and Mr. Salman Ghani, Sajjad Mir and Farrukh Sohail Goindi were the guest speakers.

- Organized an Interactive Discussion on "Emerging Trends in Media and Economic Condition of Journalists" in Faiz Ahmad Faiz Conference Room on June 19, 2015. Mr. Khawar Naeed Hashmi and Amjad Warraich were the guest speakers.
- Organized a seminar on "Crime Investigating Reporting: A Tribute to Asad Sahi" at Hameed Nizami Memorial Conference Room, ICS University of the Punjab on April 27, 2015. Well-known journalists and crime reporters attended this seminar.
- Organized a two day workshop on "Quantitative Analysis using SPSS" organized by Dr. Bushra H. Rahman and Mr. Fahad Mahmood at Chomsky Multimedia Computer Lab, Institute of Communication Studies, University of the Punjab on April 18-19, 2015.
- Seminar organized on "Terrorism and Role of Media at the Institute of Communication Studies, University of the Punjab on February 19, 2015. Mr. Sohail Warraich was the guest speaker on this occasion.
- Organized a two day workshop on "Print Ads Designing" organized by Mr. Fahad Mahmood at Chomsky Multimedia Computer Lab, Institute of Communication Studies, University of the Punjab on February 16-17, 2015.
- Organized a Special Lecture on "New Trends in Film Production", at Institute of Communication Studies, University of the Punjab Lahore, November 13, 2014.
- Organized one day Seminar on "National Integration and Role of Media" at Al-Razi Hall, University of the Punjab Lahore, October 29, 2014.
- Organized and participated as a key note speaker in a seminar on "Role of Media in the Current Scenario" at Institute of Communication Studies, University of the Punjab Lahore, September 25, 2014.

Research Journals:

- Biannual Journal of Media Studies

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

- Nusrullah, Muazzam, Rubeena Zakar, Muhammad Zakria Zakar, Safdar Abbas. (2015). Circumstances leading to intimate partner violence against women married as children: a qualitative study in urban slums of Lahore, Pakistan. *BMC Health and human rights* 2015,15:23 doi:10.1186/s12914-015-0060-0. **(Impact factor: 1.37).**
- Zakar, R., Zakar, M. Z., Abbas, S. (2015) Domestic violence against rural women in Pakistan: An issue of health and human rights. *Journal of family violence*. Doi: 10.1007/s10896-015-9742-6 **(Impact factor: 1.17).**
- Rizvi, S. R., Zakar, Zakar, M. Z. (2015). Factors associated with low birth weight of children among employed mothers in Pakistan. *Maternal and child health journal*. Doi 10.1007/s10995-015-1708-z **(Impact factor: 2.24).**
- Zakar, R., Zakar, M. Z., Aqil, N., Nusrullah, M. (2015). Paternal factors associated with neonatal mortality and births with low weight: evidence and child health journal. Doi: 10.1007/s 10995-015-1674-5 **(Impact factor: 2.24)**
- Rizvi, S. R., Zakar, Zakar, M. Z., Fischer, F. (2015) Ethical violations during clinical training: the hidden curricula learning experience of Pakistani nurses. Submitted to *BMC Medical Ethics*. 16:16 Doi: 10.1186/s12910-015-0011-2 **(Impact factor: 1.60).**
- Jalil. A., Zakar, R., Zakar, M.Z. (2015) a secondary analysis of maternal factors determine low birth weight in Pakistan. *Iranian journal of Public Health*, 44 (1), c136-137. **(Impact factor: 0.55).**
- Jackson. J., Asif, M., Zakar, M.Z. (2014) Corruption and police legitimacy in Lahore Pakistan. *British Journal of Criminology*, Doi: 10.1093/bjc/azu069. **(Impact factor: 1.44).**
- Rubeena, Zakar, Zakar, M.Z., shazia Quershi and Florian Fische. (2014). Harnessing information technology to improve women's health information: evidence from Pakistan. *BMC women's Health* 2014,14:105 doi: 10.1186/1472-6874-14-105. **(Impact factor: 1.66).**



- 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**)

Dr. Khalil Ahmad

- Khalil Ahmad, (2014) Socio-economic Status and Domestic Violence: A Study on Married Women in Urban Lahore, Pakistan. *A Research Journal of South Asian Studies*, Vol.29, No.1:229-237
- Khalil Ahmad, (2014) Globalization: Feminization of Poverty and need for Gender Responsive Social Protection in Pakistan. *Journal of Pakistan Vision*, vol. 15, No 2, 58-80.
- Khalil Ahmad, (2014). Community Participation and Sustainability of Water Supply Program in District Faisalabad, Pakistan. *Journal of Quality and Technology Management*, Vol X, Issue II, December 2014, Page 153-165.
- Khalil Ahmad, (2015) Marriage and Family structures in the Rural Punjab: A Shift from Conservative to Contemporary Patterns. *International Journal of Sociology and Social Policy*. Vol-35 No. 5/6, 306-324.
- Khalil Ahmad, (2015) Role of Human Resource Practices in Employee Performance and job satisfaction with mediating effect of employee engagement. Accepted for Publication "Pakistan Economic and Social Review" Vol 53 (1), 81-96.

Dr. Rubeena Zakar

List of Publications

Publications in international peer-reviewed/HEC recognized journals

1. Nusrullah, Muazzam, Rubeena Zakar, Muhammad Zakria Zakar, Safdar Abbas. (2015). Circumstances leading to intimate partner violence against women married as children: a qualitative study in urban slums of Lahore, Pakistan. *BMC Health and human rights* 2015,15:23 doi:10.1186/s12914-015-0060-0. (**Impact factor: 1.37**).
2. Zakar, R., Zakar, M. Z., Abbas, S. (2015) Domestic violence against rural women in Pakistan: An issue of health and human rights. *Journal of family violence*. Doi: 10.1007/s10896-015-9742-6 (**Impact factor: 1.17**).
3. Rizvi, S. R., Zakar, Zakar, M. Z. (2015). Factors associated with low birth weight of children among employed mothers in Pakistan. *Maternal and child health journal*. Doi 10.1007/s10995-015-1708-z (**Impact factor: 2.24**).



4. Zakar, R., Zakar, M. Z., Aqil, N., Nusrullah, M. (2015). Paternal factors associated with neonatal mortality and births with low weight: evidence and child health journal. Doi: 10.1007/s 10995-015-1674-5 (**Impact factor: 2.24**)
5. Rizvi, S. R., Zakar, Zakar, M. Z., Fischer, F. (2015) Ethical violations during clinical training: the hidden curricula learning experience of Pakistani nurses. Submitted to BMC Medical Ethics. 16:16 Doi: 10.1186/s12910-015-0011-2 (**Impact factor: 1.60**).
6. Jalil. A., Zakar, R., Zakar, M.Z. (2015) a secondary analysis of maternal factors determine low birth weight in Pakistan. Iranian journal of Public Health, 44 (1), c136-137. (**Impact factor: 0.55**).
7. Jackson. J., Asif, M., Zakar, M.Z. (2014) Corruption and police legitimacy in Lahore pakistan. British Journal of Criminology, Doi: 10.1093/bjc/azu069. (**Impact factor: 1.44**).
8. Rubeena, Zakar, Zakar, M.Z., shazia Quershi and Florian Fische. (2014). Harnessing information technology to improve women's health information: evidence from Pakistan. BMC women's Health 2014,14:105 doi: 10.1186/1472-6874-14-105. (**Impact factor: 1.66**).
9. 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**)

Conferences, Seminars, Papers Presented and Workshops

At the ISCS

1. A seminar was organized in ISCS on "Role of Youth in Peace and Inter-Faith Harmony" in ISCS on November 20, 2014. The guest speaker was Mr. Muhammad Tahseen, Executive Director South Asian Partnership Pakistan. SAPP. Dr Fauzia Alvi Assistant Professor at ISCS also spoke on the role of youth and family in creating peace.
2. a seminar was organized in ISCS involving Development Studies Sem- III students entitled "Group Meeting for Youth on Creating Awareness about Reproductive Health". The Key speakers were Mr. Aftab Ahmad Awan District Officer Population Welfare Department Lahore and his team from the population department. Dr. Fauzia Saleem Alvi, Assistant Professor ISCS also explained the significance of the Issue in a sociological perspective. Organized in ISCS on Dec. 18, 2014



An interactive session was organized in ISCS with the Chairman HEC, Punjab. Dr. Nizam-ud-Din regarding the future goals defined by this newly launched commission in Punjab. (Jan, 26 2015)

3. "A Training Session on Encountering Security Threats at Higher Education Institutions". Was organized at ISCS. Guest Speaker was Khalid Bashir Cheema, Director Home Department. Punjab. (Feb, 2 2015)
4. A Workshop was organize at ISCS titled "Students Malpractices in Academic Institute and its Remedies". Guest Speaker: Dr. Ayesha Sitwat. Associate Professor. Centre for Clinical Psychology. (Dec, 9 2015)
5. An orientation session was organized in ISCS titled "Building Linkages, Enhancing Scholarship: Trans- disciplinary Approaches to Communication and Development Studies. A Partnership between Arizona State University and the University of the Punjab. (Oct, 2 2015)

Research Collaboration

Foreign and Indigenous linkages

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

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

2.1 R&D – An Overview:

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

2.2 Projects:

- 2.2.1 Our Permanent faculty undertaken various research project financed by the University of the Punjab mentioned below:
 1. **An Investigation of the selection criteria of Islamic Banking Customers in Pakistan.**
(Mr. Zargham Ullah Khan)



2. **The Impact of Entrepreneurship Education on Entrepreneurial Intention of Women in Pakistan Applying the Theory of Planned Behavior.**
(Mrs. Sadia Ahmed)
3. **Governance Mechanism and Firm Performance Empirical Evidence from Pakistan.**
(Mr. Iftikhar Ahmed)
4. **The Link between Perceived High-Performance HRM Practices, Job Attitude and Behaviours: The Mediating Role of Affective Commitment.**
(Mrs. Anam Masood)

2.3

Publications:

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

- Barbabra Stottinger, Elfriede Penz & Mubbsher Munawar Khan (2015). Consumer and Vendor Perception of Sports Goods Counterfeits in Four Counterfeits Hubs. Journal of Brand Strategy. Autumn/Fall 2015 Vol. No.4(3) Pages 281-289.
- Mubbsher Munawar Khan & Muhammad Ramzan (2015). Perceptions of Stakeholders on Islamic banking in Pakistan. Journal of Islamic Business & Management. December, 2015 5(2) Upcoming.
- Mubbsher Munawar Khan & Raima Razzaque (2015). Measuring the Impact of Brand Positioning on Consumer Purchase Intention across Different Products. Journal of Quality and Technology Management. June, 2015 Vol. No.11(1) Pages. 69-95.
- Mubbsher Munawar Khan (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. April, 2014 Vol. No.2014 Pages 514-527.
- Mubbsher Munawar Khan & Mariam Fasih (2014). Impact of Service Quality on customer Satisfaction and customer



Loyalty: Evidence from Banking Sector. Pakistan Journal of Commerce and Social Sciences. July, 2014 Vol. No.8(2) Pages 331-354.

- Mubbsher Munawar Khan & Alamdar Hussain Khan (2014). Impact of Service Quality on Patient's Trust: A Case of Health-Care in Pakistan. Journal of Quality and Technology Management June, 2014 Vol No.10(1) Pages 35-57.
- Mubbsher Munawar Khan & Usamah Iyyaz Billah (2014). Opportunities and Challenges in Emerging Markets for Multi National Enterprises – A Case Study of Pakistan. The Journal of Commerce. April, 2014 6(2) Pages 1-18.
- Mubbsher Munawar Khan, Wasim Ul Rehman, Qundeel Nawaz Dodhy & Zia ur Rehman (2014). Impact of Financial Leverage of Financial Performance: An Evidence from Oil and Gas Sector of Pakistan. American Journal of Science Research. January, 2014 Vol. No.96 Pages 70-81.
- Mubbsher Munawar Khan & Sundas Islam Chaudhary. (2014). Impact of Celebrity Endorsement on Consumers Purchase Intention. European Journal of Social Sciences. January, 2014 Vol.No.41(2) Pages 248-262.

Conferences attended by Prof. Dr. Mubbsher Munawar Khan

- 6th Global Islamic Marketing Conference (GIMAC6), Istanbul, Turkey, May 06-08-2015.
- 5th Global Islamic Marketing Conference (GIMAC5): Asia Leads the World, Kuala Lumpur, Malaysia, April 22-24, 2014 **(Won the Best Paper Award)**

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

1. Attended a Symposium on Improving the Economic Relations between Turkey & Pakistan, December 7, 2015, Lahore, Pakistan
2. Participated in a seminar on Freedom of Information & Whistleblower Protection organized by Transparency International Pakistan (TI Pakistan) in collaboration with National Accountability Bureau (NAB) Lahore, Pakistan, 25 March, 2015



3. Participated in Global Forum on Islamic Finance – Islamic Finance: A Viable Financial Alternative organized by COMSATS Institute of Information Technology, Lahore, Pakistan, 10-11 March, 2015
4. Hamdard Thinkers' Forum: (A Country Rich in Natural Resources: Need for a Rapid Progress Towards Solution of Issues March 4, 2015
5. Hamdard Thinkers' Forum: (Significant Decline in Petroleum Prices: Household Goods Overpriced Up Till Now) February 4, 2015
6. Participated as a Judge in the Annual Presentation Skills Competition, 2014, organized by Institute of Chartered Accountants of Pakistan (ICAP), Lahore, Pakistan, 27 November, 2014
7. Participated in a workshop on International Financial Reporting Standards, organized by ACCA Pakistan, Lahore, Pakistan, 30 September, 2014
8. Indigenous On-Campus Training Program organized by University of the Punjab in Collaboration with Higher Education Commission, Lahore, Pakistan, 27-31 October, 2014
9. Organized and Presented at a Workshop on SPSS at Institute of Business Administration, University of the Punjab, Lahore, Pakistan, 9-10 May, 2014

**Awards and Distinctions
of Prof. Dr. Mubbsher Munawar Khan**

Research Papers/Articles by Mr. Iftikhar Ahmad:

- One Article "Financial Determinants of Corporate Cash Holdings in Pakistan" is under review by CURJ (HE Recognized Journal).

Research Papers/Articles Dr. Talat Islam:

- Khalid Zaman, Mitwali Abd-el-Moemen & Talat Islam, Dynamic Linkages between Tourism Transportation Expenditures, Carbon dioxide emission, Energy Consumption and Growth Factors: Evidence from the Transition Economies. Current Issues in Tourism, (Taylor & Francis, Impact Factor, 0.918).
- Khalid Zaman, Talat Islam, Zulkanain Abdul Rahman, Amer Saifude Ghazali, Saddam Hussain & Muhammad Imran Malik, European Countries Trapped in Food Poverty and Inequality: Agricultural Sustainability is the Promising Solution. Social Indicators Research. Available online (Springer, Impact Factor, 1.395).



- Ishfaq Ahmed, Talat Islam, Ghulam Ali & Muhammad Musarrat Nawaz, Pillion riders' Cloth related injuries and helmet wearing patterns: a study of Lahore, Pakistan. International Journal of Injury control and Safety Promotion. Online version is available (Taylor & Francis, Impact Factor, 0.707).
- Saif ur Rehman Khan, Zainab Khalifah, Yasin Munir, Talat Islam, Tahira Muzamil & Hashim Khan, Driving Behavior, Traffic Risk and Road Safety: A comparative Study between Malaysia and Singapore. International Journal of Injury Control and Safety Promotion, 22 (4), 359-367. (Taylor & Francis, Impact Factor, 0.707).
- Ziang zou, Muhammad Azam, Talat Islam & Khalid Zaman, Environment and air pollution like gun and bullet for low income countries: War for better health and wealth. Environmental Science and Pollution Research, available online (Springer, Impact Factor, 2.828).
- Talat Islam, Ishfaq Ahmed & Ungku Norulkamar Bt. Ungku Ahmad. The influence of organizational learning culture and perceived organizational support on employees' affective commitment and turnover intention. Nankai Business Review International, 6 (4), 417-431 (Emerald Publishing Group, Scopus Indexed).
- Talat Islam, Ishfaq Ahmed, Zainab Khalifah, Misbah Sadiq & Muhammad Asim Faheem. Graduates' expectation gap: The role of employer and Higher Learning Institutes. Journal of applied research in higher education, 7 (2), 372-384. (Emerald Publishing Group, Scopus Indexed).
- Ishfaq Ahmed, Muhammad Musarrat Nawaz, Ghulam Ali & Talat Islam. Perceived Organizational Support and its outcomes: A meta-analysis of latest available literature. Management Research Review, 38(6), 627-639. (Emerald Publishing Group, Scopus Indexed).
- Ghulam Ali Bhatti, Talat Islam, Hammad Hassan Mirza & Fauzia Hadi Ali. The relationships between LMX, Job Satisfaction and Turnover intention. Science International (Lahore), 27(2), 1523-1526. (HEC Recognized Y Category).
- Talat Islam, Fauzia Hadi Ali, Muhammad Aamir Malik, Zainab Khalifah, Rashid Ahmad & Ungku Norulkamar Bt. Ungku Ahmad. Employees' perception of CSR and organizational citizenship behavior, Science International (Lahore), 27(3), 2417-2419. (HEC Recognized Y Category).
- Ghulam Ali Bhatti & Talat Islam. Portfolio diversification in global equity markets and the role of global financial crisis. Pakistan of commerce and social sciences, Vol. 9 Iss. 1, 69-95 (HEC Recognized Journal Y Category).

**Research Papers/Articles Sh. Usman Yousaf:**

1. Psychological Capital: Key to Entrepreneurial Performance and Growth Intentions.
2. SMEs in Malaysia: Need to Nurture Women Entrepreneurship.

2.4

Conferences, Seminars and Workshops etc:

Faculty of HCBF organized Students Seminars and Guest Speaker were invited to deliver on various topics related to Finance, Marketing, Banking & Insurance and Research.

2.5

Research Journals:

We have yet to start this activity.

2.6

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

2.2 Projects **02**

2.3 Publications List Attached Annexure 1

2.4 Conferences, Seminars and workshops

2.5. Research Journals Research Journal of Commerce
Hailey College Published Annual Journal Al- Iqtisad

2.6. Research Collaboration
Funding Grants for R&D HEC and University of the Punjab
ORIC (operation of office
Research, Innovation and
commercialization

ANNEXURE-1**RESEARCH PUBLICATIONS**

Name of Faculty	Title of Research paper	Name of Publishing Journal
Dr. Fouzia Ali	The impact of brand equity on brand loyalty. The mediating role of customer satisfaction	Pakistan Journal of Commerce



Dr. Hassan Mobeen Alam	Role of identity and image in organizational leadership perceptions in the face of strategic change	International Journal of AYER Spain
Dr. Hassan Mobeen Alam	Module Leader Traits that Effects the students satisfaction: Evidence from strictures Equation Modeling	International conference At USA 2-4 August 2015
Dr. Muhammad Khalid Khan	Occupational Stressor and Employee Performance in Service Sector of Lahore, Pakistan	Journal of Humanities , Department of English,Pu.Lahr
Dr. Muhammad Khalid Khan	Impact of service quality on customer satisfaction of banking sector employees: a study of Lahore Punjab	Vidyabharti International Interdisciplinary Research Journal
Fouzia Ali	The Effects of Job Characteristics on manager , Intent to leave the organization: The Mediating Role of the Four Dimensions of Organizational Commitment	International Journal of Business and Management
Fouzia Ali	The Relationships between LMX , Job, Satisfaction and Turnover Intention	Sci Int. Lahore
Nisar Ahmad	Impact of Economic, Social and Environmental Variables on Competitiveness of Automotive Industry: Evidence from Panel Data	International Journal of Economic Behavior and Organization,;
Nisar Ahmad	Inquiring the Existence of Solow's Paradox in Pakistan's Banking Sector: Fixed Effect with Driscoll and Kraay Standard Errors Technique.	Journal of Commerce, ploaded on journal webpage.
Ishfaq Ahmed	Predicting work motivation through job satisfaction and turnover intentions: the explanatory role of heavy work investment.	The Lahore Journal of Business, (HEC-Recognized)
Ishfaq Ahmed	Pillion riders' cloth related injuries and helmet wearing patterns: a study of Lahore, Pakistan.	International Journal of Injury Control and Safety Promotion (Taylor & Francis – JCR, 2014 IF=0.707
Ishfaq Ahmed	Perceived Organizational Support: A Meta – Analysis of latest available literature.	Management Research Review. (Emerald – Scopus).
Ishfaq Ahmed,	Perceived Organizational Support: Antecedents and Outcomes of Perceived Organizational Support: A Literature Survey Approach.	Journal of Management Development, (Emerald–Scopus).
Nisar Ahmad	. Income-diversification in banking sector of Pakistan: a 'Blessing' or 'Curse'?	Journal of Commerce, Uploaded on journal webpage.



Nisar Ahmad	Cost Efficiency of Pakistani Banking Sector: A Stochastic Frontier Analysis..	Journal of Commerce, 7(3):. Uploaded on journal webpage
Rizwan Qaier Danish	Effect of formalization on organizational commitment, International Role of Self-Monitoring in the Service Sector	American journal of Economics
Rizwan Qaier Danish	Effect of Intrinsic Rewards on task performance of employees	International journal of Organizational leadership
Rizwan Qaier Danish	Relationship between job performance , job involvement and career salience of employees in education sector of Pakistan	American journal of Education and Research
Rizwan Qaier Danish	The impact of pay satisfaction and job stress on job satisfaction in Pakistani firms.	American journal of Economic
Rizwan Qaier Danish	Relationship between perceived organizational support and organizational citizenship behavior	American journal of Economic
Rizwan Qaier Danish	Factors affecting customer retention ion telecom sector of Pakistan	American journal of Marketing Research
Rizwan Qaier Danish	Impact of organizational climate on job satisfaction and organizational commitment in education sector of Pakistan	American journal of mobile systems, applications and services
Rizwan Qaier Danish	Impact of team characteristics on team performance in banking sector of Pakistan	Journal of commerce
Rizwan Qaier Danish	Association of affective commitment with organizational citizenship behavior and task performance of employees in banking sector	Journal of yasar University
Rizwan Qaiser Danish	Perceived organizational politics and employee morale mediating role of social exchange perceptions.	Journal of Natural and Social Sciences
Ishfaq Ahmed	Graduates' expectations gap: the role of employers and higher learning institutes. Journal of Advances in Research in Higher Education	Journal of Advances in Research in Higher Education, (Emerald – Scopus)
Ishfaq Ahmed,	The influence of organizational learning culture and perceived organizational support on employees' affective commitment and turnover intention.	Nankai Business Review, (Emerald)



Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

O Publications Books/Edited

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
Hafeez ur Rehman	Energy consumption and agriculture sector in middle income developing countries: A panel data analysis <i>Pakistan Journal of Social Sciences</i> Volume 35, No. 1, pp. 479-496
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
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.
Muhammad Nadeem , M. Azmat Hayat and Rabia Nazir	Exploring Interlinks Between Globalization and Governance. <i>Pakistan Economic and Social Review</i> , Volume 52, No. 2, 2014
Dr. Nabila Asghar	Determinants of informal wage-employment and informal self-employment in Southern Punjab (Pakistan) <i>Pakistan Journal of Social Sciences</i> Volume 35, No. 1, pp. 225-236
Dr. Nabila Asghar	Institutional quality and economic growth: Panel ARDL analysis for selected developing economies of Asia. <i>South Asian Studies (A Research Journal of South Asian Studies)</i> Volume 30, No. 2 pp. 381-404



Atif Khan Jadoon	Trade Liberalization, Human Capital And Economic Growth: Empirical Evidence From Selected Asian Countries. <i>Pakistan Economic and Social Review</i> Vol. 53, No. 1 (Summer 2015), pp. 113-132
Aamir Azeem, Bilal Aziz and Atif Khan Jadoon	Financial Development . A Contributing Agent of Economic Growth- Study of Selected Asian Countries <i>Pakistan Business Review</i> pp.397-415
Wasim ul Rehman	Intellectual Capital Practices and Financial Efficiency: A Mediating Role of Banks' Performance: Evidence from Banking Sector of Pakistan
Wasim ul Rehman	Impact of KM Practices on Firms' Performance: A Mediating Role of Business Process Capability and organizational learning. <i>Pakistan Economic and Social Review</i> Volume 53, No. 1, pp. 47-80

DEPARTMENT OF INFORMATION MANAGEMENT

- R&D-An Overview (5 – 10 lines)

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

Publications

Research Papers Published

Prf. Dr. Kanwal Ameen

1. Ameen, Kanwal. (2015). Use of Public Relations and Publicity (PRP) by the Public Libraries in Lahore, Pakistan, *New Library World*, 116 (7/8). 455-466.
2. Awais, Sania and Ameen, Kanwal. (2015). Information Accessibility for Students with Disabilities: An Exploratory Study of Pakistan. *Malaysian Journal of Library & Information Science*, 20 (2), 103-115.
3. Naveed, Asif and Ameen Kanwal. (2015). Reading Habits and Behavior of Informational Professionals in the digital Era. *Pakistan Library and Information Science Journal*, 46(3).



4. Ullah, Midrar and Ameen Kanwal. (2015). Perceptions of Medical Librarians towards the importance of Information Literacy Skills. *Pakistan Journal of Information Management and Libraries*, 16).

Prof. Dr. Mumtaz Ali Anwar

1. Anwar, M. Ali and Naveed, M. Asif. (2015). Understanding Cotton Growers' Information Needs from Rural Bahawalpur. *Pakistan Journal of Information Management & Libraries*, 16.

Dr. Shafiq Ur Rehman

1. Sanghera, K. M., & Rehman, Shfiq. U. (2015). Problems of College Libraries in Pakistan. *Pakistan Library & Information Science Journal*, 46(3), 34-44
2. Safdar, M., & Rehman, Shfiq. U. (2015). Users' Perception and Satisfaction with Higher Education Commission Pakistan Research Repository (PRR): problems and opportunities *Library Philosophy and Practice*. [http:// digitalcommons .unl.edu/libphilprac/1271](http://digitalcommons.unl.edu/libphilprac/1271)

Dr. Muhammad Rafiq

1. Jabeen, M., Yun, L., Rafiq, M., Jabeen, M., & Tahir, M. A. (2015 – Early Cite), "Scientometric Analysis of Library and Information Science Journals 2003–2012 Using Web of Science", *International Information and Library Review*,
2. Wahid, N. & Rafiq, M. (2015). Conference Literature in Pakistan. *Pakistan Library & Information Science Journal* 46(3).13-26
3. Jabeen, M., Yun, L., Rafiq, M., & Jabeen, M. (2015), "Research Productivity of Library Scholars: Bibliometric Analysis of Growth and Trends of LIS Publications", *New Library World*, 116(7/8)
4. Jabeen, M., Yun, L., Rafiq, M., Jabeen, M., & Tahir, M. A. (2015 - Early Cite). Information literacy in academic and research libraries of Beijing, China: Practices, methods and problems. *Information Development*.

Ms. Alia Arshad

1. Arshad, Alia., & Ameen, Kanwal. (2015). Usage patterns of Punjab University Library website: a transactional log analysis study. *The Electronic Library*, 33(1), 65-74.

Books Published

1. Anwar, M. Ali (Ed.). (2015). Developing Standards for Library Services in Pakistan: Selected Documents with an Introduction and a Bibliography. Lahore: Allied Book Company.



1. Book Chapter

Warriach, Nosheen. F & Ameen, Kanwal (2015). Human Resource Management Practices in University Libraries: A Case from Pakistan. In Malhan, I.V., Chandel, A.S. & Satija, M.P. (Eds.). *Human Resource Management in Libraries and Information Centers*. New Delhi: Satija Research Foundation for Library and Information Science.

Conferences / Seminars / Workshops

Organized by the Dept.:

- A national symposium, "Expanding Horizons for Information Professionals: Challenges for Education & Training Programs" organized on April 9, 2015. The symposium gathered various stakeholders such as information users, information professionals/librarians and educators to discuss the various challenges of the emerging digital paradigm. Prof. Dr. Mujahid Kamran (VC) and Orya Maqbool Jan, (Secretary Archives & Libraries Wing, S&GAD) graced the event as chief and special guests respectively.
- The Department, in collaboration with the PU Library, National Book Foundation and PULISAA celebrated the World Book & Copyright Day on 22nd April, 2015 under the theme "Books: Building Blocks of a Civilized Society". A seminar, followed by an awareness walk by the the faculty, students and professionals, was arranged. A number of professionals, teachers, media persons and students participated in the seminar. Vice Chancellor, PU Prof. Dr. Mujahid Kamran was the chief guest and renowned writer & poet Dr. Sughra Sadaf and prominent journalist & columnist Mr. Wasif Nagi were the guest speakers at the seminar.
- The Department in collaboration with Punjab University Library organized a seminar on "Professional Success: Tips & Tricks". It was held at Punjab University Library on 18 August, 2015. This seminar was specially arranged for outgoing masters' class (session, 2013-15). Mr. Qamar-ul-Islam Raja (Member Provincial Assembly, Punjab, Chairman Standing Committee on Education, Chairman Punjab Education Foundation) was the guest speaker and distributed transcripts among top three students of the Department.
- The Department of Information Management (DoIM), in collaboration with Center for Clinical Psychology (CCP) PU organized one-day workshop on "Managing Qualitative Research with Nvivo 11" on September 9-10, 2015 for MS/M.Phil and PhD scholars. Prof. Dr. Kanwal Ameen, Dr. Shafiq Ur Rehman and Ms. Syeda Hina Batool were the resource persons. There were five sessions related to different aspects of qualitative research and NVIVO software. Dr. Shafiq Ur Rehman was coordinator for this joint event.



- Muhammad Athar Tahir Chowdhry (Sitar-i-Imtiaz) delivered a lecture on “Indigenous Knowledge management: A project of International center for Pakistani writings in English” to master students on 21 January 2015.
- Dr. Ghazal Irfan conducted a workshop titled “Mind your communication skills: Common errors to avoid” for faculty member, MPhil & PhD researchers on 22 January 2015.
- A guest lecture on “Stress Management” was arranged for the students with the coordination of Career Counseling and Placement Centre of PU on 09 February 2015.
- Mr. Qasim Ali Shah delivered a lecture on “Leadership Skills” for Master’s students on 13 March 2015.
- Mr. Usman Ali Khan delivered a lecture on “Soft Skills” on 26 March 2015 for Master’s students.
- Mr. Ashraf Sharif, system librarian at Aga Khan University Libraries delivered a guest lecture on the topic “MARC 21 and RDA” to the Master’s students on 14 April 2015.

As Invited Speaker

Prof. Dr. Kanwal Ameen gave:

- A Seminar on ‘E-Governance and Digitization of Libraries’ in a training course for college librarians organized by Management and Professional Development Department, Govt. of the Punjab on 16 Sept. 2015
- Gave a Seminar on Collection Development and Management in Libraries, in a training course for college librarians organized by Management and Professional Development Department, Govt. of the Punjab on 28 Sept. 2015
- A presentation on “An overview of Qualitative Research” at a workshop on Qualitative Data Analysis organized by the Institute of Applied Psychology, PU for their MPhil classes.

Dr. Shafiq Ur Rehman Conducted one-day training workshops on:

- Qualitative Research organized by University of Management & Technology on July 18-19, 2015.

Dr. Muhammad Rafiq delivered presentations on:

- "Research, Academic Publications & Information Management" PU faculty on 20 August, 2015 in Punjab University Faculty Orientation Program at Institute of Administrative Sciences.



- “Seminar on e-Governance and Digitization of Libraries” organized by The Management and Professional Development Department, Government of the Punjab on 17 September 2015.

Ms. Syeda Hina Batool delivered presentations on:

- “Web, Information Resources and Information Retrieval” to PU faculty on 20 August, 2015 in Punjab University Faculty Orientation Program at Institute of Administrative Sciences.

Faculty and Research Students Participation in International Conferences

Abroad

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

○ Research Journals

DoIM published volume 15 of its research journal (PJIM&L) for the year 2014. This journal can be accessed on [www http://pu.edu.pk/home/journal/8/Previous-Issue.html](http://pu.edu.pk/home/journal/8/Previous-Issue.html)

Research Collaboration

- International Research Collaboration

Funding Grants for R&D

- Dr. Shafiq Ur Rehman got PU travel grant to present his paper in an international conferences held in Paris, France. He also got appointed as official trainer of NVIVO and EndNote Software by QSR International Australia and ISI Thomson for the year 2015-16 for the third time.
- Ms. Syeda Hina Batool got a travel grant from UKeig, UK and I School University of Sheffield, UK to present her paper at i3 Conference held in Scotland.



- Prof. Dr. Kanwal Ameen, Dr. Shafiq-ur-Rehman, Dr. Nosheen Fatima Warraich, Dr. Muhammad Rafiq and Syeda Hina Batool got research grants from Punjab University.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Research & Development

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

Sr.no	Author	Title	Journal Name	Year
1.	Dr. Nasira Jabeen	Public Service Motivation & the big five personality traits	Journal of Research	2015
2.	Dr. Nasira Jabeen	Governance and Management of Higher Education Institutions in Pakistan: A Case of Lahore College for Women University	Global Management Journal for Academic and Corporate Studies	2015
3.	Dr. Nasira Jabeen	Evaluation of Tenure Track System in Higher Education Institutions of Pakistan: An HRM Perspective	Journal of New Horizons	2015
4.	Dr. Nasira Jabeen	Mentoring, Networking and Politicking in Higher Education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
5.	Dr. Zafar Iqbal Jadoon	Public Service Motivation & the big five personality traits	Journal of Research	2015
6.	Dr. Zafar Iqbal Jadoon	Governance and Management of Higher Education Institutions in Pakistan: A Case of Lahore College for Women University	Global Management Journal for Academic and Corporate Studies	2015



7.	Dr. Nighat Ansari	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015
8.	Dr. Nighat Ansari	Role of Micro finance institutions in women empowerment: A case study of Akhuwat Pakistan	South Asian Studies	2015
9.	Dr. Nighat Ansari	E-Text website quality: A Evaluation Framework	Pakistan Journal of Information Management and Libraries	2015
10.	Dr. Nighat Ansari	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
11.	Muhammad Zahid	Evaluation of Tenure Track System in Higher Education Institutions of Pakistan: An HRM Perspective	Journal of New Horizons	2015
12.	Dr. Amani Moazzam	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015
13.	Dr. Amani Moazzam	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
14.	Dr. Amani Moazzam	Role of Micro finance institutions in women empowerment: A case study of Akhuwat Pakistan	South Asian Studies	2015
15.	Dr. Amani Moazzam	E-Text website quality: A Evaluation Framework	Pakistan Journal of Information Management and Libraries	2015



16.	Dr. Yaamina Salman	Mentoring, Networking and Politicking in Higher education Institutions: A Gendered Perspective	Global Management Journal for Academic and Corporate Studies	2015
17.	Ms. Zahra Paul	Public Service Motivation & the big five personality traits	Journal of Research	2015
18.	Ms. Umm-e-Farwa Mubabasher	Employee religiosity: Impact on Job Stress & job satisfaction	New Horizon	2015

INSTITUTE OF BUSINESS ADMINISTRATION

○ Projects:

(i) Completed

- “Validation of the Concept of Vitality at work and its relationship with resistance to change in telecommunication sector in Pakistan”, a project of 2012-2013, approved for financial assistance from the University of the Punjab submitted by Dr. Sania Zahra Malik, Assistant Professor-IBA.

(ii) Newly launched

- “Perception of Authentic Leadership and its impact on Employee Psychological Capital”, a project of 2014-2015, approved for financial assistance from the University of the Punjab by Ms. Wajiha Kazim, Lecturer - IBA.
- **Publications**
 - **Ms. Masooma Iftikhar, Lecturer-IBA & M. Shoaib (2015). Security Metrics for Cloud Based Information Retrieval System, *Journal of Faculty of Engineering & Technology*: 22(1) 1-13, Pakistan (Recognized Y Category by HEC)**
 - Dr. Sania Zahra Malik, Assistant Professor-IBA & Ms. Sadia Masood (2015). Emotional Intelligence and Resistance to Change: Mediating Role of Psychological Capital in Telecom Sector of Pakistan, *Pakistan Journal of Commerce and Social Sciences* Vol. 9(2), 485-502 Pakistan (Recognized Y Category by HEC).



- Dr. Sania Zahra Malik, Assistant Professor-IBA & Robert Macintosh (2015). Role of Energizing Relationships in Creating Subjective Vitality and Goal Commitment in UK Academics, *Journal of Research and Reflections in Educations*: 9(1) 62-74 Pakistan (Recognized Y Category by HEC).
- **Conferences, Seminars and Workshops, etc.**
 1. Institute of Business Administration (IBA) in association with Department of Microbiology & Molecular Genetics (MMG), HEC, ORIC etc. organized 4-days international conference on 'Exploring Microbes for Future Endeavors' from 25 - 28 March, 2015 at Al – Razi Hall, Under Graduate Block, University of the Punjab, Lahore.
 2. Prof. Dr. Muhammad Ehsan Malik, Director-IBA participated as Peer Review Team member in AMDISA's South Asian Quality Assurance Systems (SAQS) visit to the Great Lakes Institute of Management, Chennai, India for SAQS Accreditation process from December 15 to December 17, 2014.
 3. Prof. Dr. Muhammad Ehsan Malik, Director-IBA participated as Session Chair in the Second 21st Century Academic Forum Conference held at Harvard University, Boston USA from March 9 to 10, 2015.
 4. Prof. Dr. Muhammad Ehsan Malik, Director-IBA participated as Session Chair in the 4th European Business Research Conference held at Imperial College, London, UK, from April 9 to 10, 2015.
 5. Mr. Muddassir Latif Rawn, Assistant Professor-IBA attended and presented a paper on "Relationship of Privacy Concern Issues on Retail Customer's Purchase Behavior: An empirical Study on Emerging Market of Pakistan" in the 11th International Business and Social Science Research conference held from January 08-09, 2015 in Dubai, UAE.
 6. Mr. Zeshan Ahmer, Lecturer-IBA attended and presented a paper on "Usage of Enterprise Resource Planning Systems: A case study of Higher Education Institutions in Pakistan" in the Annual BAM2015 Conference held at University of Portsmouth, England from 08-10 September 2015.
 7. Mr. Zeshan Ahmer, Lecturer-IBA attended three-days workshop on "Structural Equations Modeling in R" organized at University of Cambridge, UK from 14 - 16 January 2015.
 8. Ms. Wajiha Kazim, Lecturer –IBA attended and presented a paper on "Recruitment and Selection Practices o Faculty in Higher Education Institutions of Pakistan. A Case of University of the Punjab" in the 7th



International Conference of the South Asian Chapter of AGBA SAICON 2015 held at Islamabad from 19-21 August 2015.

9. Ms. Qudsia Naseer, Lecturer –IBA attended and presented a paper on “Towards Understanding the Effect of HEC’s Reform on Autonomy of Public Sector Universities: The Case of the Punjab University” in the 7th International Conference of the South Asian Chapter of AGBA SAICON 2015 held at Islamabad from 19-21 August 2015.

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- **Research and Development (2014-15)**

A Research Project for the fiscal year (2014-15) funded by University of the Punjab was awarded to Dr. Ghulam Fatima. Another Research Project for the fiscal year (2015-16) has been applied to the University of the Punjab, Lahore.

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

Dr. Humara Bano (Assistant Professor & Incharge)

Publications

1. Paper is published in Pakistan Journal for Special Education” on “ Support Services Available for Parents of Children with Autism Spectrum Disorder Living in Pakistan for Supporting their Children” in coming Volume 16, a HEC recognized journal.
2. Paper is published in “Pakistan Journal of Special Education” on “Psychological, Social and Swallowing Issues Linked to Persons with Disabilities” in coming Volume 16, a HEC recognized Journal.
3. Paper published in Academic Research International Vol.6(3) May 2015 on “A study of Classroom interaction of students with hearing impairment at elementary and secondary level” pp.213-219

Seminars, Workshops, Lectures: National & International

- Attended a seminar on Academic writing held on August 2015 at Department of Special Education, University of the Punjab, Lahore.
- Attended 6th Post Graduate Conference at IER on 18th March , 2015



- Attended International Conference on Research in Education (ICORE 2015) at IER and presented a Paper on “ Parental Satisfaction on Security Measures taken By the Govt. of Punjab” held from Nov.24-26, 2015 at IER, P.U.
- Attended International Conference on “Management, Education and Social Science Research: Emerging Nation’s Perspectives” held on April 4-5, 2015 at Iqra University Karachi and presented a paper on “Psychological, Social and Swallowing Issues Linked to Persons with Disabilities”.
- Attended International Conference on Information and Management Sciences held at Department of Information and Library Sciences held on Nov. 5, 2015.
- Attended 5th International Multidisciplinary Conference held on October 29-31, 2015 at Imperial College of Business Studies in Collaboration with Science International Lahore and presented a Paper on “A study of Perceptions about Need of Masjid Maktab Schools: A Cost Effective Model for Universal Primary Education in Punjab.
- Attended a Seminar on International Day for Persons with Disabilities held at Ali Auditorium on December 01, 2015.
- Attended International Day for Persons with Disabilities arranged by Child Welfare Center On Dec.,03, 2015.
- Attended Provincial Consultation on WASH in School On 2nd December 2015 at Lahore
- Attended National Conference on “Challenges of Peace Building in South Asia” held at Al-Razi Hall on November, 26, 2015.
- Attended a National workshop on Hearing Impairment at Army Head Quarter Logistics Multan Cantt at Special Education School on Nov.11-12, 2015.
- Attended a University Seminar on “Dengue” at Al-Razi Hall held on 4th Nov., 2015.
- Attended a Seminar on “ Procreating Breast Cancer Awareness Among Females and the Roll of Males: Psychological Perspective arranged by College of Earth and Environmental Sciences held on Nov. 10, 2015 at Seminar Hall CEES , P.U.
- Attended a Seminar on “Musculoskeletal Health-an integrated approach held on Oct.28th, 2015 at PSRD, Lahore
- Attended Provincial Consultative Workshop on “Development of National Strategy for Water , Sanitation and Hygiene (WASH) at Islamabad from 15th to 18th



September, 2015 arranged by UNCIEF and Ministry of Education held at SAREENA Hotel , Islamabad

- Attended International Conference on Inclusive Education-2015 “Universalizing School agenda Through Inclusive Approaches: Transition from Rhetoric to Reality” held from Nov.3-4, 2015 at UMT.
- Attended one day group discussion form arranged by Punjab Inclusive Education Project in observance of International White Cane Day October at PIU on October 19, 2015.
- Conducted and attended a seminar on “White Cane Safety Day” on Oct. 15 , 2015 at Department of Special Education, University of the Punjab
- Attended a seminar on “ Inclusive Education in South Punjab: Possibilities, Challenges, Opportunities held on July 7, 2015 arranged by Al-Ghazali Education Trust, Lahore
- Attended a seminar on “Kashmir Dispute : The Past & Future held on April 17, 2015 at Al-Razi Hall P.U arranged by Pakistan Study Center
- Delivered a Lecture on “Children with High/Low Incidence Disability in Inclusive Schools” arranged by Govt. In-service training College for the Teachers of Disabled Children on May 27th , 2015.
- Attended 4th Invention to Innovation Summit 2015 held on March 4-5, 2015 arranged by ORIC and UMT at Al-Razi Hall, University of the Punjab, Lahore.
- Attended National Educational Forum arranged by LAW College , University of the Punjab, held on March 12, 2015.
- Attended a seminar on “Future Prospectus of Pakistan –India Relations” held on March 18, 2015 arranged by Department of Political Sciences Center for South Asian Studies .

Dr. Hina Fazil (Assistant Professor)

Research Publications in International and National Journals

1. Hina, F., Rukhsana,B., & Zafar, H.(2014). Factors influencing motivation of female special education teachers in their job performance. SCHEMA Annual Journal of Humanities and Social Sciences, Department of Special Education, University of Karachi, Vol.11, pp. 11-26.



2. Hina, F., & Abdul, H.(2014). Assessment challenges faced by university teachers in inclusive classroom. Pakistan journal of special education. Department of Special Education. University of the Karachi. Vol.15
3. Nadeem, G., Shaista,N., Hina,F., & Nasir, S. (2014).Identification of oromotor impairments perceived by parents Retarded to feeding difficulties in children with cerebral palsy. International Journal of Physical and Social Science volume 4 Issue 7 ISSB: 2249-5894.www.ijmra.us
4. Hina,F.,& Rukhsana, B.(2014).Differential achievement of students with autism in reading writing and numeracy. Academic Research international. volume 5(4).pp. 309 -317
5. Shaista ,N., Hina, F.,& Nasir, S. (2014).A study about attitude of parents toward participation of females in sports. Journal of Gender Studies, Women Study Centre, University of Karachi. Vol.9.pp.
6. Hina, F.& Nasir, S. (2014).Perceptions of school Administrators about facilities available in schools for children with autism in Pakistan. Journal of Social Sciences. Government College University Faisalabad. Vol.6.No.1 .pp.14-23

Attended Workshop

1. Attended and participated in 5 days on campus workshop organized by HEC held in IAS University of The Punjab from 8th to 12 December,14.

Resource Person in Workshop

1. Lecture deliver on “Brain behavior connection in children with autism” in a teacher training workshop organized by Rising Sun institute from 2to 10 June 2014
2. Lecture deliver on “Sexual problems of adults with autism” in a teacher training workshop organized by Rising Sun institute from 2 to 10 June 2014
3. Lecture deliver on “Introduction to Autism Spectrum Disorders” in a teacher training workshop held on 17 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 17 to 21 November, 2014
4. Lecture deliver on “Characteristics of Autism Spectrum Disorders” in a teacher training workshop held on 17 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 17 to 21 November, 2014



5. Lecture deliver on “Diagnostic criteria of Autism Spectrum Disorders” in a teacher training workshop held on 19 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 17 to 21 November, 2014
6. Lecture deliver on “Interventions for the development of social skills in children with Autism Spectrum Disorders” in a teacher training workshop held on 20 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 17 to 21 November, 2014
7. Lecture deliver on “Interventions for the development of communication skills in children with Autism Spectrum Disorders” in a teacher training workshop held on 21 November, 2014 organized by Govt. In-service training college for the teachers of disabled children from 17 to 21 November, 2014
8. Lecture deliver on “Administration of CARS” in a psychologist training workshop held on 28 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 24 to 28 November, 2014
9. Lecture deliver on “Scoring and interpretation of CARS” in a psychologist training workshop held on 28 November,2014 organized by Govt. In-service training college for the teachers of disabled children from 24 to 28 November, 2014

International conference

1. Attended and participated in 3 days international conferences ICORE 14
2. Conducted a session in the international conference as moderator 19 .11.2014

Presented Papers

1. Presented a research paper on “Assessment challenges faced by university teachers in inclusive classroom on 19.11.2014 in ICORE 14, Organized by IER PU
2. Presented a research paper on “Library facilities for special children on 18.11.2014 in ICORE 14, Organized by IER PU

Attended Seminars

1. Attended a seminar on education road map held on February 14, 2014 at Under graduate Hall PU.
2. Attended a seminar on Mapping research and development in disability held on 2 May 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
5. Attended a seminar on International White cane safety day held on 15 October 2014 organized by Department of Special Education University of the Lahore.
6. Attended International disability day on 3 December organized by CWC.PU Lahore.
7. Attended a Seminar on right to compulsory education held on 5 December 2014 organized by UMT
8. Attended a National seminar on Inclusive education for persons with physical disabilities held on 11 December, 2014 organized by GINI at Avari Hotel Lahore
9. Attended and participated in seminar on Sustainable Technology held on 3rd December, 2014 organized by DSE,PU Lahore.

Supervision of Research work

Masters Level = 13

M.Phil = 4

PH.D= 1

Research Publications

1. Afaf,M., Abdul,H.& Hina, F.(2015).Innovating the transition: including special children in neighboring school. Pakistan journal of Special Education. Department of Special Education, University of the Karachi, Vol ,pp.1 to10.
2. Hina, F. & Farheen , N.(2015). The causes of social exclusion of children with disabilities in rural areas. Pakistan journal of Special Education. Department of Special Education, University of the Karachi, Vol ,pp.97 to110.
3. Rukhsana, B., Hina, F., Samina,A.,& Kanwal,K.(2015). Experiences of Deaf at work place. Pakistan journal of Special Education. Department of Special Education, University of the Karachi, Vol ,pp. Accepted and in press.
4. Hina,F., & Mehwish, E. (2015). Perceptions of special education teachers about the placement of slow learners in government special schools of Punjab. Journal of Educational Research. Vol. 18, No.1 Department of Education. IUB (accepted and in press)
5. Hina, F., Munawar, A. M., Salma, A., & Anum, A.(2015). Attitude of deaf community towards modern technology. SCHEMA Annual Journal of Humanities and Social Sciences, Department of Special Education, University of Karachi, Vol.12, pp. 17-28.
6. Hina, F., Abdul, H.,& Rukhsana, B.(2015). A comparative study of national special education policy 2002 and UN convention for the rights of persons with disabilities:



guidelines for a future policy. SCHEMA Annual Journal of Humanities and Social Sciences, Department of Special Education, University of Karachi, Vol.12, pp. 17-28.

Major Assignments

1. Teaching
2. Technical Assistance to special schools
3. Member, Purchase Committee
4. Member, Maintenance Committee
5. Incharge, sports
6. Chairperson and member of Master Thesis Committee
7. Member Board of Studies
8. Member Departmental Doctoral Program Committee
9. External examiner and paper setter for B.ED special needs and M.ED visual impairment
10. External paper setter in Punjab Public Service Commission
11. Member of Monitoring team of PU for BA examination
12. Member Disciplinary Committee

Paper Presented at International Level:

1. Presented a research paper on “the causes of Exclusion of children with disabilities in rural areas” on 25.11.2015 in ICORE 15, Organized by IER Punjab University. Lahore.
2. Presented a research paper on “classroom behavior management techniques for children with autism” on 25.11.2015 in ICORE 15, Organized by IER Punjab University. Lahore.
3. Presented a research paper on “the study of barriers perceived by regular school heads about the inclusion of students with hearing impairment in Punjab” 25.11.2015 in ICORE 15, Organized by IER Punjab University. Lahore.
4. Presented a research paper on “role of print media in creating awareness about disability” on 4.11.2015 in International conference on inclusive education, Organized by University of Management and technology Lahore.
5. Presented a research paper on “inclusion of children with disability a case study of GET on 3.11.2015 in International conference on inclusive education, Organized by University of Management and technology Lahore.

National paper:

1. Paper presented on library facilities for the students with disabilities in University of Punjab” in 6th Post graduate student conference on education in Pakistan held on 18th March , 2015 organized by the IER Punjab University.



2. Paper presented on Attitude of parents towards education of children with intellectual disabilities; scale development, in 6th Post graduate student conference on education in Pakistan held on 18th March, 2015 organized by the IER Punjab University.

Lecture delivered in various teacher training workshops:

1. Lecture delivered on “UNCRPD and its implications on special education in Pakistan” on 22.12.2015 in a teacher training workshop on Inclusive education organized by Govt. In service teacher training college for the teachers of disabled children Lahore.
2. Lecture delivered on “UNCRPD and its implications on special education in Pakistan” on 22.12.2015 in a teacher training workshop on Inclusive education organized by Govt. In service teacher training college for the teachers of disabled children Lahore
3. Lecture delivered on “Assessment of children ASD on 26.11.2015 in a teacher training workshop on Inclusive education organized by Govt. In service teacher training college for the teachers of disabled children Lahore.
4. Lecture delivered on “Use of visual approach for children ASD on 26.11.2015 in a teacher training workshop on Inclusive education organized by Govt. In service teacher training college for the teachers of disabled children Lahore.
5. Lecture delivered on “Roles of Special education teachers on 7.12.2015 in a teacher training workshop on Inclusive education organized by Directorate of Education Lahore.
6. Lecture delivered on “Brain Behavior connection in autism ” 8.12.2015 in a teacher training workshop on Inclusive education organized by In-service teacher training college Directorate of Special Education. Lahore.
7. Lecture delivered on “National and international scenario of inclusive education” 30.11.2015 in a teacher training workshop on Inclusive education organized by Directorate of Education Lahore.
8. Lecture delivered on “Roles of special education in inclusive education” 30.11.2015 in a teacher training workshop on Inclusive education organized by Directorate of Education Lahore.
9. Lecture delivered on “UNCRPD on 26.11.2015 in a teacher training workshop on Inclusive education organized by Directorate of Education Lahore.
10. Lecture delivered on “Diagnostic criteria of Autism Spectrum Disorders by DSMV” in a one day teacher training workshop for Special education held on 13.6.2015 organized by The Light School center for special children Sialkot.



11. Lecture delivered on “Instructional approached an methodology for children with Autism Spectrum Disorders” in a one day teacher training workshop for Special education held on 13.6.2015 organized by The Light School center for special children Sialkot
12. Lecture delivered on “curriculum adaptation” in a one day teacher training workshop on inclusive education held on 22.4.2015 organized by Ghazali Education Trust for the teachers of district Sheikupura.
13. Lecture delivered on “identifications of behavior disorders” on 21.4.2015 in a 5 days teacher training workshop on behavioral modification techniques for children with special needs from 20.4.15 to 24.4.15 organized by Govt. In service teacher training college for the teachers of disabled children Lahore.
14. Lecture delivered on “Etiology of behavior disorders and its effects” on 21.4.2015 in a 5 days teacher training workshop on behavioral modification techniques for children with special needs from 20.4.15 to 24.4.15 organized by Govt. In service teacher training college for the teachers of disabled children Lahore.
15. Lecture delivered on “Women rights in Islam and in UNCRPD” in a seminar on international women day held on 2 March, 2015 organized by Govt. Special Education School for deaf and defective (Girls). Gulberg, Lahore.

Dr. Rukhsana Bashir (Assistant Professor)

Publications

- 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, Rabia Fazal, & Aysha Khaliq.

- Published a paper as principle author “. The Experiences of Persons with Deafness at Workplace” in Pakistan Journal of Special Education .Volume 17, December, 2015. ISSN. 2250-1665. Department of Special Education, University of Karachi
- Published a paper as co- author “Impact of Hearing Loss on the Families of Children with Disabilities” in SCHEMA Humanities and Social Sciences, Volume 12, February, 2015. ISSN 1991-8461
- Published a paper as co- author “A Study of the Problems of Students with Visual Impairment in Social Adjustment” in Academic Research International Vol. 6, No. 3, May, 2015, ISSN-L:2223-9553.

International Conferences- Attended/ Papers presented

- 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, Mahwish Safder.
- Paper presented in International Conference on Inclusive Education on “Problems faced by institutions and students with hearing impairment in public examinations” on November 3-4, 2015 organized by University of the Management and Technology, Lahore.
- Paper presented in International Conference on “A Study of the Problems of Students with Visual Impairment in Social Adjustment” on April 4-5, 2015 organized by Iqra University, Lahore.



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.
- Participated in seminar on International Day for Person with Disabilities on December 3, 2015 organized by Child Welfare Centre, University of the Punjab, Lahore.
- Participated in International Conference on Information Management and Libraries held on November 10-13, 2015 organized by Department of Information Management, University of the Punjab, Lahore
- Participated in ICORE, 2015 held on November 25, 2015 organized by Institute of Education and Research, University of the Punjab, Lahore
- Participated in International Conference on Inclusive Education held on November 3-4, 2015 organized by University of the Management and Technology.
- Participated in seminar on White Cane Safety Day for Person with Disabilities on October 15, 2015 organized by Department of Special Education, University of the Punjab, Lahore.
- Attended one day workshop on “Academic Writing” on August 19, 2015 organized by Department of Special Education, University of the Punjab, Lahore. Prof. Dr. Khalid Mehmood from University of the Damam, Saudi Arabia was the keynote speaker.
- Participated in consultative meeting on “Inclusive Education” on June, 2015 organized by Ghazali Education Trust, Lahore.

Lecture delivered

1. Delivered lecture on “Behavioral & Attitudinal changes of Stakeholder’s” on February 19, 2014, in Govt. Inservice Training College, Lahore.
2. Delivered lecture on “adapting assessment procedures” in in-service training workshop on December 16, 2015 organized Directorate of Staff Development, Government of the Punjab, Lahore.



3. Delivered lecture on “Curriculum and Teaching Strategies” in in-service training workshop on December 09, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.
4. Delivered lecture on “Concept of Inclusive Education” in in-service training workshop on December 01, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.
5. Arranged an orientation of special children for in-service trainees on November 30, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.
6. Delivered lecture on “Universal Design of Learning” in in-service training workshop on July 24, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.
7. Delivered lecture on “Differently abled Children’s” in in-service training workshop on July 21, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.
8. Delivered lecture on “Differently abled Children’s” in in-service training workshop on July 21, 2105 organized Directorate of Staff Development, Government of the Punjab, Lahore.

Dr. Samina Ashraf (Assistant Professor)

Current work.

- Worked as a resource person on inclusive education and developed a module for the training of teachers on inclusive education in collaboration with Directorate of staff development (DSD) and Sight savers international.
- Worked as a team member and developed a toolkit for the training of teachers teaching in inclusive schools in collaboration with UNESCO and Department of special education, University of the Punjab, Lahore.

Publications

1. A research paper published in Academic Research International Journal entitled problems faced by the persons with visual impairment in social adjustment, in May 18,2015.
2. A research paper published in Pakistan Journal of Special Education ,University of the Karachi, entitled Work place experiences of the adults with hearing impairment in volume 17, 2015.



3. A research paper published in Pakistan Journal of Special Education ,Department of Special Education, University of the Karachi, entitled opinion of special education teachers about inclusion of students with disabilities. in upcoming volume 17, 2015.
4. A research paper published in a national journal of university of Sargodha, entitled services and facilities available to special needs students to special needs students, volume, 1,issue 1,2014.
5. 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.
6. A research paper published in Pakistan Journal of Special education, Department of Special Education ,University of Karachi, entitled Challenges faced by the teachers of inclusive schools in adapting student's evaluation ,Vol.14,pp45-56

Paper Presented

- Attended a conference on information and management sciences at Department of Library sciences, University of the Punjab, Lahore, on November,2015 and presented a paper on use of library services by the persons with disabilities.
- Attended and presented a research paper entitled inclusive education in Baluchistan: a qualitative investigation, in international conference on inclusive on November 3,4, held at University of Management and Technology, Joher Town ,Lahore
- Attended participated and presented a research paper in International conference on research in education, ICORE, in November,25-26,2015 held at institute of education and research, University of the Punjab, Lahore.
- Attended and presented a research paper entitled 'A Study of the problems of students with visual impairment in social adjustment in an international conference on management, education and social science research ICMESSR,Organized by the University of the Karachi and Iqra University Karachi on April,4-5,2015 held at University of the Karachi.
- Attended, participated and presented a research paper entitled Attitude of parents towards the education of their children students with intellectual disabilities: Development of a scale, in 6th Post Graduate conference held at IER, University of the Punjab, Lahore in March,2015.
- 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.
- Participated and presented a research paper in International Conference on Research on Education Held at Institute of Education and Research on November 18-20,2014 entitled use of music therapy for behavioural management of students with mental retardation.



- Participated and presented a research paper in International Conference on Research on Education Held at Institute of Education and Research on November 18-20, 2014 entitled Leisure time activities of students with hearing impairment.
- Participated and presented a research paper in International Conference on Research on Education Held at Institute of Education and Research on November 18-20, 2014 entitled Coping strategies of special education teachers to deal with anxiety and depression problems of students with special needs.

Dr. Ghulam Fatima (Assistant Professor)

Publications (Dr. Ghulam Fatima)

- Published a paper as co-author entitled "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 entitled "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 entitled "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 entitled "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.
- Published a paper as principal author entitled "Opinions of Teachers about Parental Contribution to the Development of 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.
- Published a paper as co-author entitled "A study of classroom interactions of students with hearing impairment at elementary and secondary level" in Academic Research International Vol. 6 (3), May 2015, pp 213-219. Authors: Sumaira Talat, Ghulam Fatima, Humaira Bano.
- Published a paper as principal author entitled "Problems faced by special education teachers in teaching mathematics to students with deafness" in Academic Research International Vol. 6 (3), May 2015, pp 220-225. Authors: Ghulam Fatima, Misbah Malik.
- Published a paper as principal author entitled "A comparative analysis of mathematics curriculum for students with and without hearing impairment" in



Academic Research International Vol. 6 (3), May 2015, pp 233-238. Authors: Ghulam Fatima, Misbah Malik.

- Published a paper as co-author entitled “ Perceptions of secondary school students about mathematics’ teachers instructional practices to endorse achievement goal orientations” in proceedings of 13th International Conference of Statistical Sciences held in Islamia College Peshawar, Pakistan from March 16-18, 2015, Volume, 28, pp 405-414.
- Published a paper entitled “Challenges faced by educated persons with disabilities at their work places in Pakistan” in Pakistan Journal of Special Education Vol.17, 2015, Department of Special Education, University of Karachi.

Participation in Workshop / Courses / Seminars

1. Attended a seminar on an M.Phil study entitled “Impact of Cartoons on the Development of Children” as an external evaluator on February 20, 2015 at Government College of Home Economics, Lahore.
2. Participated in a seminar on International Day for Person with Disabilities on December 3, 2015 organized by Child Welfare Centre, University of the Punjab, Lahore.

International Conferences- Attended/ Papers presented

- Presented a paper on “Difficulties Posed by Disability on the Acquisition of Higher Education in Inclusive Setting by Physically Challenged Students” in ICORE, 2014 from 18-20 November, 2014 organized by Institute of Education & Research, University of the Punjab, Lahore. Authors: **Ghulam Fatima**, Prof. Dr. Mahr Muhammad Saeed Akhtar, Dr. Rukhsana Bashir, Misbah Malik, Mahwish Safder, Dur-e-Nayab.
- Presented a paper on “Problems of Special Education Teachers in Teaching Mathematics to Students with Hearing Impairment from Class 6 to 10” in ICORE, 2014 from 18-20 November, 2014 organized by Institute of Education & Research, University of the Punjab, Lahore. Authors: **Ghulam Fatima**, Misbah Malik, Mahwish Safder, Dur-e-Nayab.
- Presented a paper as co-author on “A Study of Classroom Interactions of Students with Hearing Impairment at Elementary and Secondary Level” in ICORE, 2014 from 18-20 November, 2014 organized by Institute of Education & Research, University of the Punjab, Lahore. Authors: Sumaira Talat, **Ghulam Fatima**, Dr. Humara Bano.
- Presented a paper as principal author on “Challenges Faced by Educated Persons with Physical Disabilities at their Workplaces in Pakistan” in 13th Annual Hawaii International Conference on Education 2015, held on Monday, January 5, 2015 to Thursday, January 8, 2015 at the Hilton Hawaiian Village Waikiki Beach Resort, held in Waikiki, Honolulu, Hawaii, USA.



- Presented a paper as principal author on “Mastery of Performance goals Endorsement: Students’ Perceptions about Instructional Practices of Mathematics Teachers at Secondary Level” in 13th Annual Hawaii International Conference on Education 2015, held on Monday, January 5, 2015 to Thursday, January 8, 2015 at the Hilton Hawaiian Village Waikiki Beach Resort, held in Waikiki, Honolulu, Hawaii, USA.
- Presented a paper as co-author on “ Test Anxiety and Self-Concept of University Students Enrolled in B Ed Honors Degree Program of USAID” in 13th Annual Hawaii International Conference on Education 2015, held on Monday, January 5, 2015 to Thursday, January 8, 2015 at the Hilton Hawaiian Village Waikiki Beach Resort, held in Waikiki, Honolulu, Hawaii, USA.
- Presented a paper as co-author on “A Correlational Study of Test Anxiety and Self-Esteem of Secondary School Students in Pakistan” in 13th Annual Hawaii International Conference on Education 2015, held on Monday, January 5, 2015 to Thursday, January 8, 2015 at the Hilton Hawaiian Village Waikiki Beach Resort, held in Waikiki, Honolulu, Hawaii, USA.
- Presented a paper as co-author entitled “Transaction made by special education teachers in classrooms of young children with deafness” in World Conference 2015 “Early Childhood Pathways to Sustainability” held on July 29- August 1, 2015 at Omni Shoreham Hotel in Washington, D.C. USA.
- Presented a paper as co-author entitled “Parental satisfaction and involvement in the provision of Early Childhood Special Education to their young children with deafness” in World Conference 2015 “Early Childhood Pathways to Sustainability” held on July 29- August 1, 2015 at Omni Shoreham Hotel in Washington, D.C. USA.
- Presented a paper as co-author entitled “The implementation of Early Childhood Special Education curriculum in the actual classroom: A qualitative investigation” in World Conference 2015 “Early Childhood Pathways to Sustainability” held on July 29- August 1, 2015 at Omni Shoreham Hotel in Washington, D.C. USA.
- Participated in 14th International Conference of Psychology with theme “The current challenges for psychology: From crisis to sustainable solutions” 19th -21st March, 2015, organized by Department of Applied Psychology, University of the Punjab, Lahore, Pakistan.



Mr. Munawar Ahmed Malik (Assistant Professor)

Publications

- Paper is accepted for publication in “Pakistan Journal of Special Education” on “Psychological, Social and Swallowing Issues Linked to Persons with Disabilities” in coming Volume 16, a HEC recognized Journal
- Paper was published in SCHEMA Annual Journal of Humanities and Social Sciences, Department of Special Education, University of Karachi Vol.12, pp.17-28 on “Attitude of deaf community toward modern technology.

Attended Seminars, Workshops, Conferences etc.

- Attended a seminar on Academic writing held on August 2015 at Department of Special Education, University of the Punjab, Lahore.
- Attended 6th Post Graduate Conference at IER on 18th March , 2015
- Attended International Conference on Research in Education (ICORE 2015) at IER held from Nov.24-26, 2015 at IER, P.U.
- Attended International Conference on “Management, Education and Social Science Research: Emerging Nation’s Perspectives” held on April 4-5, 2015 at Iqra University Karachi and presented a paper on “Psychological, Social and Swallowing Issues Linked to Persons with Disabilities”.
- Attended a Seminar on International Day for Persons with Disabilities held at Ali Auditorium on December 01, 2015.
- Attended International Day for Persons with Disabilities arranged by Child Welfare Center on Dec.,03, 2015.
- Attended University Seminar on “Dengue” at Al-Razi Hall held on 4th Nov., 2015.
- Attended a Seminar on “Musculoskeletal Health-an integrated approach held on Oct.28th, 2015 at PSRD, Lahore
- Attended International Conference on Inclusive Education-2015 “Universalizing School agenda Through inclusive Approaches: Transition from Rhetoric to Reality held from Nov.3-4, 2015 at UMT.
- Attended one day group discussion form arranged by PIEP in observance of International White Cane Day October 15” at PIU on October 19, 2015.



- Conducted and attended a seminar on “White Cane Safety Day” on Oct. 15 , 2015 at Department of Special Education, University of the Punjab
- Attended a seminar on “ Inclusive Education in South Punjab: Possibilities, Challenges, Opportunities held on July 7, 2015 arranged by Al-Ghazali Education Trust, Lahore
- Attended a seminar on “Kashmir Dispute : The past & Future held on April 17, 2015 at Al-Razi Hall P.U arranged by Pakistan Study Center
- Attended a seminar on “ Future Prospectus of Pakistan –India Relations” held on March 18, 2015 arranged by Department of Political Sciences Center for South Asian Studies

INSTITUTE OF EDUCATION & RESEARCH

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

(ii) Newly launched

Name of Researcher/ Sponsoring Agency	Title of Research Project	Status
University of the Punjab	Induction of Newly Qualified Teachers and Assessment of Learning Outcome	Completed
University of the Punjab	Teaching Learning Process in the Multicultural Classroom: A tool for Learning and Development	Completed
University of the Punjab	A Study of Supervision Issue Faced by Doctoral (M.Phil/Ph.D) Students in a Supervisor–Supervisee Relationship	Completed
University of the Punjab	Alignment between National Curriculum (2006) and Textbook of Grade IX Science Subjects in Punjab	Completed
University of the Punjab	Pragmatic Analysis of Educational Institutional Development-A Yardstick for Policy Development	Completed
University of the Punjab	Effect of Laptop Incentive on Prospective Teachers I.T Skills in IER	Completed
University of the Punjab	Photo Catalytic Degradation of Textile dye Effluent	Completed
University of the Punjab	Perceptions of Teachers and Students Regarding English-Medium Instructions at Secondary Education in Punjab Province of Pakistan	In Progress



University of the Punjab	Relationship of Curricular Demands with academic self regulation and academic excellence in students' performance in Higher Education	In progress
University of the Punjab	Impact of Cooperative Learning Intervention on Students' Achievement and logical reasoning	In progress
University of the Punjab	Investigating the students' understanding of science concepts using concept cartoons	In progress
University of the Punjab	A Study to Explore the Influence of SMS (Short Message Service) Language on Academic Writing of Students at Post-Graduate Level	In progress
Higher Education Commission (HEC)	Situation Analysis of Teaching Learning Process at University Level-A Focus on Total Quality Management	In-Progress
UNICEF & DSD	Assessment of Continuous Professional Development (CPD) on the learning of Students	In Progress
University of the Punjab	Culture and Education in Pakistan, Philippines and England – A Comparative Analysis	In Progress
University of the Punjab	A Survey of Science Practical Work in Secondary Schools in Punjab	In Progress
University of the Punjab	Applying Six Major Principal of Effective Instructional Tools in Science Inquiry to Accommodate Diverse Learner at Upper Middle School	In Progress
University of the Punjab	Predictive Validity of Entry Scores with CGPA of Master degree in Education and Teaching Skills of Prospective Teachers	In Progress
University of the Punjab	Development and Validation of Instrument for Screening Competent Teacher.	In Progress
University of the Punjab	Determinants of Academic Achievement of Prospective Teachers.	In Progress
University of the Punjab	Semi Standardization of An Achievement Test in the Subject of Physics at Secondary Level	In Progress
University of the Punjab	Inclusion of Pictures/Photographs & Figures in Automatic Engine to Generate and Print Objective type Assessment Tool (development, Implementation and Evaluation)	In Progress
University of the Punjab	How to Teach Conflict Management in Teacher Education	In Progress



University of the Punjab	Performance Analysis of Newly Qualified Teachers: Context of Academic Achievements of Secondary School Students	Completed
University of the Punjab	Exploring the Effects of Emotional Intelligence on the Leadership Behavior of Educational Administrator in the University of the Punjab, Lahore	Completed
University of the Punjab	Analysis of Learning Process in the Diversified Cultural Context	In Progress
University of the Punjab	Development of Emotional Intelligence Scale for Teachers	In Progress
University of the Punjab	An Evaluative Study on Alignment Between Science Curriculum & Textbooks at Secondary Level	In Progress
University of the Punjab	Assessment for Up-gradation of Technology Education Programme: Focus on Wood, Metal & Electricity Laboratories	Completed
University of the Punjab	A Cross Sectional Study of Assessing Metacognitive Knowledge and Metacognitive Regulatory Skills Among Prospective Teachers and its Relation to Academic Achievement.	In Progress
University of the Punjab	A Study of Prospective Teachers' Experience about Adjustment, Students Behavior and Personal Satisfaction During Teaching Practices.	Completed
University of the Punjab	A Study of Developing a Career Counseling Model with the Help to Teachers in the University of the Punjab	In Progress
University of the Punjab	Correlation between Early-Childhood Prospective Teachers' Mathematics Achievement Scores and Attitude Scores towards Teaching of Mathematics	In Progress
University of the Punjab	A Study of L2 Motivation of English Language Learners from Rural/Remote areas of Punjab, Pakistan	In Progress
University of the Punjab	Continuing Professional Development (CPD) for Secondary School Principals.	Completed
University of the Punjab	Exploring the Scientific Literacy of Prospective Teachers at Elementary Level.	In Progress
University of the Punjab	Exploring Connection Between Student's Self Construction and Academic Performance at Undergraduate's Level	In Progress
University of the Punjab	Master of Business Education Programme Effectiveness Assessment	In Progress



University of the Punjab	Identification of verbal & Numerical Reasoning and its relationship with Academic Achievements of Prospective Teachers of Secondary School	In Progress
University of the Punjab	Comparative Study to Explore the learning styles of Graduate in University of the Punjab	In Progress
HEC	Education Policy, Leadership and Management	Completed
University of the Punjab	A Study of Job Satisfaction of University Teachers in the Province of Punjab	In Progress

Publications

Sr. No.	Name of Author	Title of Paper/Article
1	Dr. Mumtaz Akhter	The Perceptions of High School Mathematics Problem Solving Teaching Methods in Mathematics Education. Bulletin of Education and Research 37 (1)
2	Dr. Mumtaz Akhter	Factors Affecting ICT Usage in Class: An Exploration of Teachers' Perceptions. Journal of Education, The Sindh University 44(2) 2015.
3	Dr. Mumtaz Akhter	Impact of Cooperative Learning on English Language Development of Low and High Ability Student. Journal of AYER, Vol. 4, 2015, page 190-199.
4	Dr. Mumtaz Akhter	Fluctuation in Dispositions of Instructional Planning and Strategies (DIPS) with Teaching Practice: Development or Decline? Journal of AYER, Vol. 3, 2015, page 106-116.
5	Dr. Mumtaz Akhter	Effect of Metacognition on Task Performance of Prospective Teachers in Pakistan. Journal of AYER, Vol. 2, 2015,
6	Dr. Mumtaz Akhter	Secondary School Computer Science Curriculum: Perceptions of Stake Holders. Pakistan Journal of Education Vol. XXVIII, Issue II, 2011 (Printed in 2014)
7	Dr. Mumtaz Akhter	Evaluation of the Improvement in the Quality of PhD Theses Produced during 2001-2012: A case study of Pakistani Universities. Bulletin of Education and Research Vol. 36, No. 2.
8	Dr. Mahr Muhammad Saeed Akhtar	Understating Syed Abdul A'ala Maudoodi's Educational Thoughts. The Dialogue (Quarterly Research Journal) ISSN 10



9	Dr. Mahr Muhammad Saeed Akhtar	Effect of Organizational Justice on Faculty Trust in University Education Faculties. Journal of Research and Reflections in Education. 8
10	Dr. Mahr Muhammad Saeed Akhtar	A Study to assess the undergraduate university students' academic adjustment. Journal of Educational Sciences and Research ISSN 2310-7901 2015
11	Dr. Mahr Muhammad Saeed Akhtar	Exploring the Intellectuals Contributions and Educational Thoughts of Syed Abul A'ala Maududi (A jointly Authored Paper) Ma'arif Research Journal ISSN2221-2663. 10
12	Dr. Mahr Muhammad Saeed Akhtar	Impact of English as Medium of Instruction on Student Learning at Primary in Lahore Cantt. The Dialogue (Quarterly Research Journal)
13	Dr. Mahr Muhammad Saeed Akhtar	Relationship between Organizational Culture and Organizational Effectiveness in Public and Private Sector Universities o Pakistan. Science International
14	Dr. Mahr Muhammad Saeed Akhtar	Measuring Work Stress of Marketing Professionals, Business Review
15	Dr. Mahr Muhammad Saeed Akhtar	Dar ul Uleem Deoband Ka A'gaz o Irtaqa, Pakistan Journal of Islamic Research.
16	Dr. Mahr Muhammad Saeed Akhtar	Chairmen of Parents Teachers Council and Community Involvement in Public Sector Schools of Khyber Pukhtunkhwa, Ma'arif Research Journal
17	Dr. Mahr Muhammad Saeed Akhtar	Tahrike Darus Salam Pathan Kot K asrt k Tehqiqi Tajzia. Ma'arif Research Journal.
18	Dr. Mahr Muhammad Saeed Akhtar	Relationship between Teachers' competencies and Motivation at Higher Education Level in Pakistan. Pakistan Annual Research Journal, Pakistan Study Center University of Peshawar.
19	Dr. Mahr Muhammad Saeed Akhtar	Assessing Potential for Teacher Leadership: The case of Prospective Teachers. Journal of Research and Reflections in Education, University of the Education
20	Dr. Mahr Muhammad Saeed Akhtar	Relationship of leadership behavior with leadership outcomes in public schools. Journal of Quality & Technology Management.
21	Dr. Mahr Muhammad Saeed Akhtar	Development and Validation of Organizational Environment Scale (OES) for University Teachers. Journal of Research and Reflections in Education.
22	Prof. Dr. Rizwan Akram Rana	Brining Future in Class: Integrating Career Planning Activities in Teaching Learning Process. The Sindh University Journal of Education Vol. 44 No. 1, 2015.
23	Prof. Dr. Rizwan Akram Rana	Using "Pub Quiz" to Promote Participation and Active Learning in Prospective Teachers. Journal Pendidikan Malaysia 40(2) 2015



24	Prof. Dr. Rizwan Akram Rana	Motivation and Science Performance: Influence On Student Learning in Science. Sci. Int(Lahore) 27 (2).
25	Dr. Abdul Qayyum	A Study of Mother's Knowledge about Childcare and care Practices in Lahore, Pakistan Bulletin of Education and Research (BER) 37 (2)
26	Dr. Abdul Qayyum	Parent's Involvements in Their Child Academic Achievement. Pakistan Vision 16(1)
27	Dr. Abdul Qayyum	Comparative Study of Teaching Effectiveness of Trained and untrained teachers at School Level working in Private Sector. Science International
28	Ms. Tayaba M. Akram	Exploring the Factors Responsible for Declining Students' Interest towards Chemistry. International Journal of Information and Education Technology
29	Dr. Muhammad Shahid Farooq	Learning through Assistive Devices: A Case of Students with Hearing Impairment. Bulletin of Education and Research 37 (1)
30	Dr. Shaukat Ali Raza	Measuring Work Stress of Marketing Professionals. Business Review, 10(1).
31	Dr. Tahir Mahmood	Impact of Institutional Development. Secondary Educational Journal.
32	Ms. Tayyaba Muhammad Akram	"Effect of Students personality Traits and Attitude on Chemistry Achievement"
33	Ms. Tayyaba Muhammad Akram	Investigating of the Relationship between Students Learning Difficulties and Misconceptions in Chemistry
34	Dr. Muhammad Saeed	Relationship between School Climate, Job Satisfaction and Job Performance of Secondary School Teachers in Punjab. Journal of Secondary Education a biannual Department of Secondary Education, IER 3(1).
35	Dr. Munaza Nousheen Dr. Effat Alvi	Attitudes of Postgraduate Students towards Cooperative Learning. Journal of Educational Research 16 (2)

- **Conferences, Seminars and Workshops, etc. (Sponsors, Oral Presentation + Poster Presentation)**
- Prof. Dr. Mumtaz Akhter Participated in International Conference on Research in Education (ICORE 2nd), Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.
- Prof. Dr. Mahr Muhammad Saeed Akhtar Participated in International Conference on Research in Education (ICORE 2nd), and presented paper on A Study to investigate the Leadership Styles and Conflict Resolution Strategies used by Department Heads in Universities at Lahore Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.



- Prof. Dr. Marh Muhammad Saeed Akhtar Participated in International Conference on Research in Education (ICORE 2nd) and presented paper on Study to Explore the Satisfaction Level Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.
- Prof. Dr. Marh Muhammad Saeed Akhtar Participated in 2nd Pakistan Governance Forum 2015. Organized by Ministry of Planning and Development, Govt. of Pakistan.
- Dr. Shafiq ur Rehman Participated in International Conference on Research in Education (ICORE 2nd), Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.
- Dr. Tairq Hussain Participated in International Conference on Research in Education (ICORE 2nd), Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.
- Dr. Tariq Hussain Participated in International Conference on Education for Sustainable Development (ESD) for Youth Lead Community Development in Pakistan held on December 11, 2014 at Royal Plam Country Club. Lahore.
- Ms. Tayyaba Muhammad Akram participated in International Conference “Highlights of ASH in Asia” Organized and Sponsored by American Society of Hematology held on Bangkok Thailand, 28th February to 1st March, 2015.
- Ms. Tayyaba Muhammad Akram, Participated in 2nd International Conference on Research in Education (ICORE 2014), Organized by Institute of Education and Research, University of the Punjab from 18-20 November, 2014.
- Dr. Muhammad Saeed Participated in Seminar B.Ed in Technical Education: Towards a New Generation of TVET Teachers in Pakistan, Organized by IER, University of the Punjab in Collaboration with Virtual University and Technical University of Kaiserslautern, Germany on October 15, 2014.
- Dr. Muhammad Saeed Participated & presented paper on Relationship between School Climate, Job Satisfaction and Job Performance of Secondary School Teachers in International Conference on Leadership & Learning in the Asian Century organized by ELLTA–2014 in Collaboration with University Sains Malaysia, Penang, Malaysia November 17-19, 2014.
- Dr. Muhammad Saeed participated as resource person in two days workshop on Thesis writing being organized by Institute of Research Promotion in Collaboration with University of Lahore.



- Dr. Abdul Qayyum Ch. conducted a seminar on Career opportunities of higher studies after A. level in Embassy School Raydh Saudi Arabia on 2nd April 2015.
- Dr. Abdul Qayyum Ch. Conducted training workshops on “Curriculum Development for Pre-Schoolers” in University of Damam Saudi Arabia on 15th April 2015.
- Dr. Abdul Qayyum Ch. Conducted a training workshops with Eleven Heads of Departments in the faculty of education on “Improving Managerial Skills” in King Saud University Saudi Arabia on 30th March 2015.
- Dr. Abdul Qayyum Ch. Organized 2nd International Conference on Research in Education (ICORE 2014) by Institute of Education and Research (IER), University of the Punjab, Lahore.
- Dr. Abdul Qayyum Ch. participated in 7th “International Meeting on Practical and Fields” organized by center for High Energy Physics University of the Punjab on April 2015.
- Dr. Abdul Qayyum Ch. participated in “Students National Conference on Education” in IER University of the Punjab in March and November, 2014.

Conferences/Workshops/Seminars 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.

6th Post Graduate Students Conference 2015 on “Research in Education” on 18 March, 2015 Organized by Students Affairs Committee, Institute of Education & Research, University of the Punjab, Lahore, Pakistan.

10. Workshop/Seminar Organized by IER

Parwaz: Business Week Organized by Department of Business Education, IER, University of the Punjab, Lahore from 24-26 February, 2015.

Organized one day Workshop “Endnote” by Department of Technology Education, Institute of Education and Research, University of the Punjab, Lahore on 16-06-2015.

Research Journals 2014-2015 (Authors Name, Article Name, Journal with date)

1. Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 36, No. 2, 2014.
2. Bulletin of Education and Research (BER), Institute of Education and Research, University of the Punjab Lahore Volume 37, No. 1, 2015.
3. Journal of Secondary Education, Institute of Education and Research, University of the Punjab Lahore Volume 1, No.2, 2014.
4. Journal of Elementary Education Institute of Education and Research, University of the Punjab Lahore Volume 25 No 2, 2014.

**RESEARCH COLLABORATION**

- Foreign Linkages

2 International Linkage with Beijing Normal University, China

Funding grants for R&D (for the year 2014-2015)

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. 27 students have completed their research thesis under the supervision of senior faculty members. The civil works for the extension of the Centre was initiated, which is almost complete now and the purchase orders for laboratory equipments have been placed. Additionally, another PC-1 of Rs. 984 Million aiming at transformation of the Centre into Institute of Energy and Environmental Engineering has been submitted to Planning Commission.

Projects:**i) Completed:****Completed Research Projects**

Sr. No.	Title
1	Usage of Chamalang Waste Coal Fine in the Form of Briquettes by using by Molasses
2	Torrefaction of Biomass and its Effect on Higher Heating Value and Grindability
3	Cleaning of Dukki Coal by using Combination Technology (Heavy Media Separation and Froth Flotation Technologies)
4	Upgradation of Chamalang Coal by Combination Technology (Agglomeration and Froth Flotation)
5	Estimation of HGI of Indigenous Coal through Regression Analysis



6	Effect of Leaching of Coal with Water, Ammonium Acetate and HCl on the Grinding Properties of the Indigenous Coal
7	Estimation of Grindability by Sink Float Test Data of Dukki and Sharigh Coals
8	Agglomeration of Chamalang Coal by Lubricating Oil : Effect of Stirring Speed, Oil Dosage and Mesh Size
9	Upgradation of Dukki Coal by using Combination Technology (Heavy Media Separation and Froth Flotation Techniques)
10	Development of Correlation between GCV and Proximate Analysis of Indigenous Coal
11	Upgradation of Mianwali Coal by Combination Technology (Forth Flotation and Leaching with HNO_3)
12	Upgradation of Mianwali Coal by Combination Technology (Forth Flotation and Leaching with HCl)
13	Upgradation of Chamalang Coal by Combination Techniques (Agglomeration by using furnace Oil and Froth- Flotation)
14	Determination of Hardgrove Grindability Index of Float Products by Heavy Media Separation of Khushab and Lakhra Coals
15	Treatment of Pharmaceutical Waste Water with Coal Bottom Ash

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 Complexing Agents on Desulphurization of Coal through H_2O_2 Leaching
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	Investigations of Combustion Behaviour of Biodesulphurized Coals
4	Combine Technology to Clean Coal through Heavy Media Separation and Flotation
5	Reductive Pyrolysis Studies of Biotreated Coal

Publications:

1. Wahab, **S. Nawaz, K. Shahzad, J. Akhtar, S. Kanwal, S. Munir, N. Sheikh**, (2015) Desulphurization and Demineralization of Lakhra Coal by Molten Caustic Leaching, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 37(11); 1219-1223



2. Usman Rafaqat, **Javaid Akhtar**, **Naseer Uddin Sheikh**, **Shahid Munir**, (2015) Cleaning of Dukki (Baluchistan) Coal by Agglomeration Process, International Journal of Oil, Gas and Coal Technology, 9(1); 79-88
3. **Rizwan Haider**, Muhammad A. Ghauri, Elizabeth J. Jones, William H. Orem, John R. SanFilipo, (2015) Structural Degradation of Thar Lignite using MW1 Fungal Isolate: Optimization Studies, International Biodeterioration & Biodegradation, 100; 149-154
4. **Muhammad Usman Rahim**, Xiang Peng Gao, Hongwei Wu, (2015) Release of chlorine from the slow pyrolysis of NaCl-loaded cellulose at low temperatures, Proceedings of the Combustion Institute, 35(3); 2891-2896
5. **K. Shahzad**, M. Saleem, M. Ghauri, J. Akhtar, N. A. Akhtar, (2015) Emissions of NO_x, SO₂, and CO from Co-combustion of Wheat Straw and Coal under Fast Fluidized Bed Condition, 187(7); 1079-1092
6. Eyerusalem M. Gucho, **Khurram Shahzad**, Eddy A. Bramer, Niaz A. Akhtar, Gerrit Brem, (2015) Experimental Study on Dry Torrefaction of Beech Wood and Miscanthus, Energies, 8(5); 3903-3923
7. Asim H. Rizvi, S. Sheraz Daood, M. Tayyeb Javed, **Shahid Munir**, Mohamed Pourkashanian, and William Nimmo, (2015) Reactivity Analysis of Pakistani Thar Lignite Reserves in Oxidizing Thermogravimetric Analysis Atmospheres, 29(8); 5349–5360
8. **Rizwan Haider**, Muhammad Afzal Ghauri, (2015) Geo-Microbial Niches: The Control Rooms for Securing Energy, Fuel (153); 717-719
9. **Rizwan Haider**, Muhammad A. Ghauri, Kalsoom Akhtar (2015) Isolation of Coal Degrading Fungus from Drilled Core Coal Sample and Effect of Prior Fungal Pretreatment on Chemical Attributes of Extracted Humic Acid, Geomicrobiology Journal, 32(10); 944-953
10. Najaf Ali, Mahmood Saleem, **Khurram Shahzad**, Arshad Chughtai, (2015), Bio-Oil Production from Fast Pyrolysis of Cotton Stalk in Fluidized Bed Reactor, Arabian Journal for Science and Engineering, 40(11), 3019-3027
11. M. S. Khurram, **K. Shahzad**, A. Ahmed, **R. Haider**, M. Ghauri, (2014), Kinetic Study of Metal-EDTA Complex Formation and Metal-to- Metal Exchange, Journal of Pakistan Institute of Chemical Engineers, 42(2), 91-99
12. **R. Haider**, M. A. Ghauri, **K. Shahzad**, J. R. SanFilipo, E. J. Jones, (2014), Analytical Investigations of Liberated Organics after Biodegradation of Lignite Samples, Journal of Pakistan Institute of Chemical Engineers, 42(2), 101-106



13. **S. Nawaz, S. Kanwal, U. Rahim, N. Sheikh, K. Shahzad & J. Akhtar** (2015), Identification of Macerals in Lakhra and Chamalang Coals in Pakistan, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 36(24); 2660-2665

Conferences:

1. **Prof. Dr. Shahid Munir**, Presented Key Note Speaker, National Seminar on Coal Technologies – Geology, Mining, Processing and utility Organized by Centre of Energy Research and Development, University of Engineering & Technology (UET), at Faletti's Hotel Lahore on 26-11-2014.
2. **Prof. Dr. Shahid Munir**, Participated as an technical expert in on “Enhancing Social sustainability of Energy Development by gender mainstreaming in Hydro Power Project in Pakistan sponsored by World Bank on 25-02-2015 at 10:00 a.m. organized by National Centre for Resettlement and Rehabilitation (NCRR) at the Inst. Of Social and Cultural Studies, University of the Punjab and Shirkat Gah Resource Centre, Lahore.
3. **Prof. Dr. Shahid Munir**, Delievered Plenary Lecture at 1st International Conference on Energy Systems for Sustainable Development 2015, organized at Department of Chemical Engineering, COMSATS Institute of Information Technology, Lahore (May 20-22, 2015)
4. **Prof. Dr. Shahid Munir**, Organized Seminar and delivered talk on “Role of Indigenous Coal in Solving Energy Crisis” (May 25, 2015 at Al-Razi Hall, Centre for Undergraduate Studies, University of the Punjab).
5. **Prof. Dr. Shahid Munir**, Participated in a Workshop on Restructuring of Mines & Minerals, organized by Mines and Minerals Department, Punjab, at Sutlej Hall, Avari Hotel, Lahore on July 1, 2015.

Research Collaboration

Funding Grants for R&D:

- A PC-I, amounting Rs. 180 million (approximately), was approved by HEC/CDWP/Planning Commission for the expansion project of the Centre for Coal Technology. Civil works is almost complete and the purchase orders for the laboratory equipment have been placed already.
- University of Punjab, Lahore
- Earning From Departmental Coal Testing Facility

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- **Research & Development 2014-15** An Overview (5 –10 lines)



Department is working on a number of research projects based on Bio Materials, Composites for Bio Medical & Industrial applications, control during delivery, Hydrogels formation, absorbents formation, extraction of polymers from natural sources, membrane synthesis and Characterization for RO, water treatment and gas separation, electrospinning & general polymer synthesis. A number of publication are in process and many papers has already published by the Department.

- Research Journals 2014-15 (**Authors name, Article name, Journal with date**)
 - Synthesis and Characterization of novel zirconia filled glass fiber reinforced polyester (GFRP) hybrid composites. Muhammad Azeem Munawar, Shahzad Maqsood Khan, Nafisa Gull, Atif Islam, Muhammad Shafiq, Muhammad Taqi Zahid Butt, Tahir Jamil. **Submitted in Polymer testing (2015)**
 - Fabrication and characterization of novel polyester/glassfiber/carbon black hybrid laminates: A study of mechanical and thermal behavior. Fahad Jamshed, Adnan Ahmad, Muhammad Adrees, Shahzad Maqsood Khan, Muhammad Shafiq, Tabinda Riaz, **Tahir Jamil**, and Tousif Hussain **Submitted in Composites Science and Technology (2015)**
 - Tough hydrogel scaffolds based on biocompatible polymers: Effect of poly (vinyl alcohol) and silane concentration. Atif Islam, Tariq Yasin, Nafisa Gul, Aneela Sabir, Muhammad A Munawar, Shahzad Maqsood Khan, Muhammad Shafiq, **Tahir Jamil**, and Muhammad H Raza. **Submitted in Polymer (2015)**
 - Measurements of Spatial Temperature Variation and Steam Condensation across Super-Sonic Steam Plume in a dColumn of Water. Sanaullah, Khairuddin, Khan, Afrasyab, Chughtai, Imran, Shah, Ajmal, **Jamil, Tahir**, and Takriff, Mohd. **Submitted in Journal of Chemical Engineering Science (2015)**
 - Study on the Effect of Different Oxidants on Polyaniline/Single Walled Carbon Nanotubes Composites synthesized via Ultrasonically Initiated in-situ Chemical Polymerization. Nafisa Gull, Shahzad Khan, Atif Islam, Saba Zia, Muhammad Shafiq, Aneela Sabir, Muhammad A Munawar, Muhammad Taqi Zahid Butt, and **Tahir Jamil**. **Submitted in Journal of Polymer Chemistry & Physics (2015)**
 - Fabrication of Eco-Friendly Pigment Printed Textiles by Reducing Formaldehyde Contents. Sidra Saleemi and **Tahir Jamil**. **Submitted in J. Natural Fibers (2015).**
 - Synthesis, characterization and application studies of polyurethane acrylate thermoset coatings: Effect of hard segment Misbah Sultana, Sadia Atta , Haq Nawaz Bhatti , **Tahir Jamil** , Atif Islam, Rashid Masood and Mehdi Barikani. **Submitted in Progress in Organic Coating Under Review (2015)**
 - Synthesis of hydroxyapatite by sol-gel, ultrasonication and microwave assisted technique. Sidra Waheed, Misbah Sultan, Mohammad Hussain, Adnan Ahmad,



Sabad-e-Gul, and **Tahir Jamil** *Indian Journal of Chemical Technology* **Under Review (2015)**.

- Impedance spectroscopy of chitosan/poly(vinyl alcohol) film. Atif Islam, Tariq Yasin, Muhammad Javed Akhtar, Zahid Imran, Aneela Sabir, Misbah Sultan, Shahzad M Khan, and **Tahir Jamil**. **Accepted in** *Journal of Solid State Electrochem* **(2015)**. **IF = (2.446)**
- Evaluation of selected properties of biocompatible chitosan/poly (vinyl alcohol) blends. Atif Islam, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, Aneela Sabir, Muhammad Shafiq, Azeem Munawar, **Tahir Jamil**. **Accepted in** *International Journal of Biological Macromolecules*, **(2015)**. **IF = (2.858)**
- An investigation of AC impedance and dielectric spectroscopic properties of conducting chitosan-silane crosslinked-poly (vinyl alcohol) blended films. Atif Islam, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, Muhammad Shafiq, Aneela Sabir, Muhammad Azeem Munawar, H. M Hamid Raza, and **Tahir Jamil**. **Accepted in** *Materials Research* **(2015)** **(IF = 0.793)**
- Conjugation of SiO₂ nano particles with polymer matrix membrane for reverse osmosis application using MgSO₄ solution. Aneela Sabir, Muhammad Shafiq, Atif Islam, Faiza Jabeen, Amir Shafeeq, Adnan Ahmad, Muhammad T Zahid Butt, Karl I Jacob and **Tahir Jamil**. **Accepted in** *Carbohydrate Polymers* **(2015)**. **(IF = 3.916)**
- Silane crosslinked nanofiber mats of chitosan/poly (vinyl alcohol) blend: Synthesis, characterization and MTT assay with cancerous bone cells. Atif Islam, Tariq Yasin, Muhammad Aftab Rafiq, Tahir H. Shah, Aneela Sabir, Shahzad M Khan, and **Tahir Jamil**. **Accepted in** *Fibers and Polymers* **(2015)**. **IF = (0.881)**
- Injectable biopolymer based hydrogels for drug delivery applications. Sadia Atta, Shaista Khaliq, Atif Islam, Irtaza Javeria, **Tahir Jamil**, Muhammad Makshoof Athar, Muhammad Imtiaz Shafiq, and Abdul Ghaffar. **Accepted in** *International Journal of Biological Macromolecules* **(2015)**. **IF = (3.096)**
- **Synthesis, characterization, permeation and antibacterial properties of cellulose acetate/polyethylene glycol membranes modified with chitosan.** Sidra Waheed, Adnan Ahmad, Shahzad Maqsood Khan, Sabad-e-Gul, Tahir Jamil, Atif Islam, Tousif Hussain *Desalination* **351, 59-69 (2014)**. **(IF = 3.96)**
- Synthesis and characterization of polyurethane/bentonite nanoclay based nanocomposites using toluene diisocyanate. Muhammad Fiyyaz, Khalid Mahmood Zia, Mohammad Zuber, **Tahir Jamil**, Muhammad Kaleem Khosa and Muhammad Asghar Jamal. *Korean J. Chem. Eng.*, **31(4), 644-649 (2014)** **(IF = 1.241)**
- Performance behavior of modified cellulosic fabrics using polyurethane acrylate copolymer. Mohammad Zuber, Sayyed Asim Ali Shah, **Tahir Jamil**, Muhammad Irfan Asghar. *International Journal of Biological Macromolecules* **67, 254 (2014)**. **(IF = 3.096)**



- Structure-Property Relationship and Structural Study of Polyurethane-Urea Elastomers. Misbah Sultan, Haq Nawaz Bhatti, Mohammad Zuber, Mehdi Barikani, **Tahir Jamil**. *J. Chem. Soc. Pak* 36(2), 332(2014). (IF = 1.37)
- Biocompatibility and microscopic evaluation of polyurethane-poly(methyl methacrylate)-titanium dioxide based composites for dental applications. Mohammad Zuber, Shazia Tabasum, **Tahir Jamil**, Muhammad Shahid, Rizwan Hussain, Khalid Sajjad Feras and Khalid Pervez Bhatti. *J. appl. Polym. Sci* 130(3), 2821(2014). (IF = 1.640)
- Synthesis and molecular characterization of chitosan based polyurethane elastomers using aromatic diisocyanate. Khalid Mahmood Zia, Sohail Anjum, Mohammad Zuber, Muhammad Mujahid, **Tahir Jamil**. *International Journal of Biological Macromolecules* 66 (2014) 26–32. (IF = 3.096)

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

(ii) Newly launched ----- (under process)

- **Publications: Books/ Edited**

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

Khairuddin Sanaullah, Afrasyab Khan, Mohd Sobri Takriff, Hushairi Zen, Ajmal Shah, Imran Rafiq Chughtai, Tahir Jamil , Lim Soh Fong, Noaman Ul Haq	Determining potential of subcooling to attenuate hydrodynamic instabilities for steam-water two phase flow. <i>International Journal of Heat and Mass Transfer</i> 84, 178-197 (2015). (IF = 2.522)
Nafisa Gull, Shahzad Maqsood Khan, Muhammad Azeem Munawar, Muhammad Shafiq, Farheen Anjum, Muhammad Taqi Zahid Butt and Tahir Jamil .	Synthesis and Characterization of Zinc Oxide (ZnO) Filled Glass Fiber Reinforced Polyester Composites. <i>Materials and Design</i> 67, 313-317 (2015). (IF = 3.171)
Aneela Sabir, Atif Islam, Muhammad Shafiq, Amir Shafeeq, Muhammad Taqi Zahid Butt, Nasir Mehmood Ahmad, Khairuddin Sanaullah, and Tahir Jamil .	Novel polymer matrix composite membrane doped with fumed silica for reverse osmosis desalination. <i>Desalination online</i> 3 January (2015). (IF = 3.96)
Mohammad Zuber; Khalid Mahmood Zia; Muhammad Ashair Iqbal; Zahida Tariq Cheema; Muhammad Ishaq and Tahir Jamil .	Synthesis and characterization of polyurethane based on aliphatic diisocyanate and stiff chain extenders. <i>Korean J. Chem. Eng</i> 32(1), 184-190 (2015).) (IF = 1.241)
. Mohsin A. Raza, Muhammad A. Ashraf Aidan V.K. Westwood, Tahir Jamil , Rafiq Ahmad, Aqil Inam, Kashif M. Deen.	Maleated high oleic sunflower oil-treated cellulose fiber-based styrene butadiene rubber composites. <i>Polymer Composites</i> , 27 OCT 2014, DOI:10.1002/pc.23273. (IF = 1.455)



Adnan Ahmad, Sidra Waheed, Shahzad Maqsood Khan, Sabad-e-Gula, Muhammad Shafiq, Muhammad Farooq , Khairuddin Sanaullah, Tahir Jamil.	Effect of silica on the properties of Cellulose acetate/Polyethylene glycol membranes for reverse osmosis. Desalination 355, 1-10 (2015). (IF = 3.96)
Sidra Waheed, Adnan Ahmad, Shahzad Maqsood Khan, Sabad-e-Gul, Tahir Jamil , Atif Islam, Tousif Hussain	Synthesis, characterization, permeation and antibacterial properties of cellulose acetate/polyethylene glycol membranes modified with chitosan. Desalination 351, 59-69 (2014). (IF = 3.96)
Sagar, Sadia; Iqbal, Nadeem; Maqsood, Asghari; Shahid, Muhammad; Abbas Shah, Nazar; Tahir Jamil and Bassyouni, Ismail Mohamed.	Fabrication and thermal characteristics of functionalized carbon nanotubes impregnated polydimethylsiloxane nanocomposites. Journal of Composite Materials. 49(8), 995-1006 (2015). (IF = 1.257)
Farooq Ahmed, Sidra Saleemi , Zeeshan Khatri	“Co-Electrospun Poly(ϵ -Caprolactone)/Cellulose nanofibers- fabrication and characterization”, published in Carbohydrate Polymers 115(2015)388-393 (ISSN: 0144-8617)I.F=3.916
Sidra Saleemi , Farooq Ahmed Arain, Samander Ali Malik	“Study of Physical Properties of Nano-Silica Coated Cotton Textiles” Published in Mehran University Research Journal of Engineering & Technology 34 (2), 202-207, 2015 (ISSN 0254-7821).
Samander Ali Malik, Rabia Almas, Zeeshan Khatri, Sidra Saleemi , Chokri Cherif,	Neural network modeling and principle component analysis of antibacterial activity of chitosan/ AgCl-TiO ₂ colloid treated cotton fabric”, published in Fiber and Polymer 16 (5), 1142-1149, 2015 (ISSN: 1875-0052). I.F = 1.113
Sidra Saleemi , Samander Ali Malik, Uzma Syed and Anwaruddin Tanwari,	“Investigation of wash durability of hydrophobic 100% Cotton dyed Fabric Treated by Sol-Gel Technique” accepted for publication tentatively scheduled to publish on December 1, 2014 in Volume 9, Issue 4, in Journal of Engineered Fibers and Fabric. ISSN: 1558-9250). I.F = 0.807, USA
Farooq Ahmed, Abdul Waqar Rajput, Abdul Razaque Sahito, Sidra Saleemi	“Impact of Trifling Quantity of Polyester Content on Physical Characteristics of Low Twist Rotor Spun Yarn” published in Journal of Science International 26(1), 279-282, 2014, (ISSN 1013-5316) Lahore
Abdul Moqees Hai	Effect of yarn TPI on comfort and performance of fabrics woven from ring spun and rotor spun yarns. (Accepted for oral presentation in 15th AUTEX world textile conference in Bucharest, Romania)



Farooq Ahmed, Sidra Saleemi , Abdul Waqar Rajput, Irfan Ahmed Sheikh, and Abdul Razaque Sahito,	"Characterization of Rotor Spun Knitting Yarn at High Rotor Speeds" Published in Technical Journal, University of Engineering & Technology (UET) Taxila, Pakistan (ISSN: 2313-7770) Vol. 19 No, IV- 2014.
--	---

- Conferences, Seminars and Workshops, etc. (sponsors, oral Presentation + Poster Presentation)
- **The Chairman Department of Textile Engineering & Technology takes presentation on Synthesis and Characterization of Polyacrylonitrile (PAN) and Carbon Fibers, in the 6th International Conference on Science and Technology (IBCAST), ISLAMABAD (2008).**
- **The Chairman Department of Textile Engineering & Technology takes presentation on Synthesis of silica aerogels and their application, in the 5th International Conference on Science and Technology (IBCAST), ISLAMABAD (2007).**
- **The Chairman Department of Textile Engineering & Technology presiding the conference of the 7th International Conference on Science and Technology (IBCAST), ISLAMABAD**
- **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

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

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

2.1 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.



2.2 Projects:

2.2.1 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. 2.50 million
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
Studies of recent levels of Pesticides residues in food chain in Pakistan	University of the Punjab	Rs. 2.50 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

2.2.2 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)
Utilization of coal-water slurry as an alternative fuel	Higher Education Commission	Rs. 11.23 million	



2.3 Publications

The faculty at the Institute is actively engaged in R & D activities and has published their work in national as well as international journals of good repute. The details of publications during the year 2015 are given below:

Sr. No.	Name of faculty member	Title of Paper/Article
1.	Amir Ijaz, Javed A. Awan	Removal of toxic metallic ions Cr(VI), Cu(II), Ni(II), Co(II) and Cd(II) from wastewater effluents of tanneries by using Punica Grantum (Pomegranate) membrane.
2.	Hamed Sattar	Comparison of the explosion characteristics and flame speeds of pulverised coals and biomass in the ISO standard 1 m ³ dust explosion equipment.
3.	Syed Nadir Hussain, Hafiz M. Anwaar Asghar, Hamed Sattar	Chlorinated breakdown products formed during oxidation of adsorbed phenol by electrochemical regeneration of a graphite intercalation compound.
4.	Syed Nadir Hussain, Hafiz M. Anwaar Asghar, Hamed Sattar	Free chlorine formation during electrochemical regeneration of a graphite intercalation compound adsorbent used for wastewater treatment.
5.	Hamed Sattar	Biomass explosion testing: Accounting for the post-test residue and implications on the results.
6.	Hamed Sattar	Explosion reactivity characterisation of pulverised torrefied spruce wood.
7.	Syed Nadir Hussain, Hafiz M. Anwaar Asghar, Hamed Sattar	Removal of tartrazine from water by adsorption with electrochemical regeneration.
8.	Hafiz M. Anwaar Asghar, Syed Nadir Hussain, Hamed Sattar	Mercaptans removal from aqueous solution using modified graphite based adsorbent through batch-wise adsorption-regeneration.
9.	Hafiz M. Anwaar Asghar, Syed Nadir Hussain, Hamed Sattar	Potential graphite materials for the synthesis of GICs.
10.	Syed Nadir Hussain, Hafiz M. Anwaar Asghar, Hamed Sattar	Electrochemical Regeneration of GIC Adsorbent in a Continuous Electrochemical Reactor.
11.	Hafiz M. Anwaar Asghar, Syed Nadir Hussain, Hamed Sattar	Electrochemical Oxidation of Methylene Blue in Aqueous Solution.
12.	Mahmood Saleem	Bio-Oil Production from Fast Pyrolysis of Cotton Stalk in Fluidized Bed
13.	Mahmood Saleem	Co-Combustion of Wheat Straw and coal under Fast Fluidized Bed Condition
14.	Mahmood Saleem	Study on Hydrodynamics of Indigenous Biomass-Sand Mixture in a Cold Fluidization Column



15.	Mahmood Saleem	Pyrolysis of biomass: An Experimental Study of the Effect of Feed Particle Size on Yield of Bio-Oil
16.	Javed A. Awan	Phase Equilibrium Measurements and Modeling of 1-Propanethiol+1-Butanethiol + CH ₄ in Methane Ternary System
17.	Amir Shafeeq	Novel polymer matrix composite membrane doped with fumed silica particles for reverse osmosis desalination.
18.	Amir Shafeeq	Influence of Polyethylene Glycol 600 on Cellulose Acetate Membranes for Reverse Osmosis Desalination.
19.	Amir Shafeeq	Effect of Cold-Pressing and Soxhlet Extraction on the Physico-Chemical Attributes of Sunflower (<i>Helianthus annuus</i> L.) Seed Oil.
20.	Amir Shafeeq	Fabrication of tethered carbon nanotubes in cellulose acetate / polyethylene glycol-400 composite membranes for reverse osmosis.
21.	Asim H. Rizvi, Shahid Munir	Reactivity Analysis of Pakistani Thar Lignite Reserves in Oxidizing Thermogravimetric Analysis Atmospheres

2.4 Conferences, Seminars and Workshops etc.

Sr. No.	Name of Faculty Member	Title of Conference Paper	Name of Conference
1.	Aamir Ijaz	<i>An Empirical Study on the Factors Affecting Job Satisfaction: Evidence from Banking Sector of Pakistan</i>	2 nd International Conference on Environment and Natural Science, Sydney, Australia
2.	Aamir Ijaz	<i>Achieving performance excellence in higher education institutions of Pakistan through QEC's</i>	APQN 2015 and AGM, Globalization and Diversification of Quality Assurance, China
3.	Hamed Sattar	<i>Agricultural waste biomass energy potential in Pakistan</i>	International Bioenergy (Shanghai) Exhibition and Asian Bioenergy Conference, 2015
4.	Hamed Sattar	<i>Improvements to the Hartmann Dust Explosion Equipment for MEC Measurements that are Compatible with Gas Lean Limit Measurements</i>	The 10th Asia-Oceania Symposium on Fire Science and Technology, 2015
5.	Hamed Sattar	<i>Comparison of explosion characteristics of Colombian coal and Kellingley coal</i>	10 th European Conference on Coal Research and its Applications (ECCRIA),



			University of Hull, United Kingdom, 2015
6.	Syed N. Hussain, Hamed Sattar, Hafiz M.A. Asghar.	<i>Waste Water Treatment of Textile industry via Adsorption and Electrochemical Regeneration</i>	International Conference on Advances in Environment Research, Jeju Island, Republic of Korea, 2015
7.	Hafiz M.A. Asghar, Hamed Sattar, Syed N. Hussain	<i>Benefication of Chamalang Coal by Forth Floatation</i>	International Conference on Advances in Environment Research, Jeju Island, Republic of Korea, 2015
8.	Amir Shafeeq	<i>Application of Froth Flotation Technique to Reduce Sulfur from Lakhra Coal Using Froth Flotation</i>	International Conference on Advances in Environment Research, Jeju Island, Republic of Korea, 2015

2.5 Research Journals

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

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

2.6 RESEARCH COLLABORATION

2.6.1 Indigenous

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

2.6.2 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.

2.6.3 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****2.1 R&D-An Overview** (5 – 10 lines)

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.

2.2 Projects:

2.2.1 Completed: Dr. Usman Awan & Ms. Sana Hasan have successfully completed research projects funded by University of the Punjab.

2.2.2 Newly Launched: Three (3) Lecturers of the Institute have been awarded research grants by the University of the Punjab for the year 2014-15.

2.3 Publications

Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International/Local			
					Impact Factor (IF)	HEC Recog.	Other	Conference Proceedings
1)	Dr. Ayyaz Ahmad	Technical Decision Making for Governments in Developing Countries: An Industrial Engineering Approach						✓
2)	Dr. Muhammad Shafiq	Issues in the Implementation of Quality Improvement Initiatives: An Empirical Evidence from the Textile Companies of Pakistan	Technical Journal University of Engineering & Technology, Taxila	20 (II)		✓		
3)	Dr. Muhammad Shafiq	A Strategy for the Design of Introductory Computer Programming Course in High School	Journal of Elementary Education	25 (I)		✓		
4)	Dr. Muhammad Shafiq	Relationship between Total Quality Management Practices and Organizational Performance: An Empirical	Journal of Quality and Technology Management	X (II)		✓		



		Investigation from a South Asian Developing Country						
5)	Dr. Muhammad Shafiq	A Survey for Defining a Pedagogically Effective Subset of C++	Bulletin for Education & Research			✓		

2.4 Research Journals

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

DEPARTMENT OF ELECTRICAL ENGINEERING

R&D- An Overview: The research mission is to advance knowledge in the specialized areas of Electrical Engineering to strengthen Engineering-based economy of the Country

2.3 Publications (2014-15) = 5;

2.6.2 Foreign Linkages: ElectrosPELL, UK and University of Glasgow, University of Cape Town (RSA), DTU (Denmark)

2.6.4 ORIC: Participating

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

2.1 Research and Development 2014-15 – An Overview:

The faculty members of Department of Metallurgy & Materials Engineering have been actively involved in R&D, which can be seen from the publications and conference presentation data given in the relevant section. The Department of Metallurgy & Materials Engineering arranged a seminar on Research Methodology for B.Sc. (Engg) students. In the year 2015, the Department of Metallurgy and Materials Engineering has arranged two seminars on “Metallurgy and Materials Engineering” in collaboration with Pakistan Institute of Metallurgical Engineers. The faculty members are supervising research projects of students of 8th Semester, who are carrying out mandatory research work in the field of corrosion, foundry, heat treatment, nanomaterials, photocatalysis, physical metallurgy, etc. The PhD faculty of the department is also supervising research projects of MSc. (Engg.) Metallurgy and Materials Engineering students. The Department has completed two research projects in collaboration with Shafi Reso Chemical Industries.



2.2 Projects:

2.2.1 Completed (duration, sponsoring agency, funding)

Name of Researcher	Title of Research Project	Duration	Funding (Rs.)	Sponsoring Agency
Prof. Dr. Muhammad Taqi Zahid Butt	Study of Polymeric Composite Materials for Medical Applications	01 Year	0.25 Million	University of the Punjab
Prof. Dr. Rafiq Ahmad	Evaluation of Surface Morphology and Anti-Corrosive Properties of Commercial Quality Polyamide Coating with Different Nanosized Fillers on Mild Steel Substrate	01 Year	0.25 Million	University of the Punjab
Dr. Mohsin Ali Raza	Development and characterization Natural Fibre Reinforced Polymer	01 Year	0.15 Million	University of the Punjab
Dr. Aqil Inam	Machinability of Graphitized Carbon Steel	01 Year	0.15 Million	University of the Punjab
Dr. Tahir Ahmad	The Development and Characterization of Aluminum Based Carbon Fiber Silica Sand Nanoparticles Hybrid Composites	01 Year	0.149 Million	University of the Punjab
Dr. Muhammad Umar Manzoor	The Development and Characterization of Novel Al-Cu-Glass Fiber Reinforced Hybrid Composites	01 Year	0.149 Million	University of the Punjab
Mr. Nauman Alam Siddiqui	Fabrication of Super Hydrophobic Surfaces on Light Alloys	01 Year	0.15 Million	University of the Punjab

**2.2.2 Newly Launched**

Name of Researcher	Title of Research Project	Duration	Funding (Rs.)	Sponsoring Agency
Dr. Mohsin Ali Raza	Synthesis of Graphene Nanoplatelet and Development of Graphene Nanoplatelet/Polymer Composites for Electronic Packaging and Functional Applications	2015-2016	17 Million	Higher Education Commission (HEC), Pakistan

2.2.4 Conferences, Seminars and Workshops, etc.:

1. T. Ahmad, M. Kamran, R. Ahmad, T.Z. Butt, Study of the Microstructure and Mechanical Properties of locally developed Carbon Fiber-Silica Sand Nanoparticles Aluminium based Hybrid Composites, Materials Science and Technology (MS&T) 2015, October 4 – 8, 2015, Greater Columbus Convention Center, Columbus, Ohio, USA.

(Oral Presentation)

2. A. Nadeem, A. Inam, R. Ahmad, M. A. Raza, M. Ishtiaq, M. Nawaz, M. A. Hafeez, A. Farooq, Corrosion Study of Quenched and Partitioned AISI 4340 Steel, Materials Science and Technology (MS&T) 2015, October 4 – 8, 2015, Greater Columbus Convention Center, Columbus, Ohio, USA.

(Poster Presentation)

3. A. Inam, K. He, D. Edmonds, Graphitisation: A Potential New Route to Free-Machining Steels, HSLA Steels 2015 and Microalloying 2015 and OES 2015 Conference” held in Zhejiang Hotel, Hangzhou, China on November 11-13, 2015 organized by The Chinese Society for Metals and Chinese Academy of Engineering.

(Oral Presentation)

4. Raza MA, Rehman A, Ghauri FA, Ahmad A, Ahmad R, Graphene coatings for improved corrosion resistance of NdFeB magnets, Conference of Emerging Materials and Processes (CEMP), 22-23rd March, 2015, SCME, NUST, Islamabad.
5. Raza MA, M.S.Awan, A. Farooq, R. Ahmad, A.Inam, Production of Carbon nanomaterials via catalytic chemical vapour deposition method and their corrosion protection performance in epoxy based coating, 14th International Symposium on Advanced Materials, Islamabad, Pakistan, 12-16th October 2015.



6. Raza MA, Westwood A, Stirling C, Ahmad R, Boron nitride/vapour grown carbon nanofibre/rubbery epoxy-based hybrid composites for thermal interface applications, Fourth International Conference on Multifunctional, Hybrid and Nanomaterials, 9-13 March 2015, Sitges (near Barcelona), Spain.
7. Seminar on Metallurgy & Material Engineering, 9th June 2015, Department of Metallurgy & Materials Engineering, College of Engineering and Emerging Technologies (CEET), University of the Punjab, Lahore. **(Seminar)**
8. Seminar on Metallurgy & Material Engineering, 29th October 2015, Department of Metallurgy & Materials Engineering, College of Engineering and Emerging Technologies (CEET), University of the Punjab, Lahore. **(Seminar)**

2.2.5 Research Journals 2014-15:

Sr. No.	Name of Author	Name of Journal	Title of Paper/Article
1.	W. Ahmad, G. H. Awan, T. Ahmad, M. T. Z. Butt, L. A. Kasuri, M. Kamran	Journal of the Pakistan Institute of Chemical Engineers	Phase based Study of Solidified Structures evolved during the TIG welding of 2219-T87 Aluminum Alloy
2.	T. Ahmad, M. Kamran, B. A. Wahjoedi, M. T. Z. Butt, M. U. Manzoor, Z. Abbas	Journal of Faculty of Engineering and Technology	The Beneficiation of Thal Silica Sand and the Production of High grade Silicon
3.	M. A. Raza, A.V.K. Westwood, C. Stirling, R. Ahmad	Composite Science and Technology	Effect of Boron Nitride Addition on Properties of Vapour Grown Carbon Nanofiber/Rubbery Epoxy Composites for Thermal Interface Applications
4.	M. A. Raza, A.V.K. Westwood, C. Stirling	Materials & Design.	Comparison of carbon nanofiller-based polymer composite adhesives and pastes for thermal interface applications
5.	A. Nawaz, K.M. Deen, A. Farooq, R. Ahmad	Materials Today: Proceedings	Investigating the Electrochemical Behavior of Alpha Brass in Acidic and Alkaline Tap Water
6.	M. A. Raza, K. M. Deen, H. F. Awan, R. Ahmad, A. Husnain	Materials Today: Proceedings	Synthesis and Characterization of $\text{La}_{0.75}\text{Sr}_{0.25}\text{Mn}_{1-x}\text{Mg}_x\text{O}_{3-\delta}$ Perovskite for Alkaline Fuel Cell
7.	K.M. Deen, A. Farooq, M. A. Raza, R. Ahmad, W. Haider	Journal of Industrial and Engineering Chemistry	Estimating the Degradation of Methylene Chloride Dye on Nanotubular TiO_2 Structure
8.	T. Ahmad, R. Ahmad, M. Kamran, B.	Iranian Polymer Journal	Effect of Thal Silica Sand Nanoparticles and Glass Fiber Reinforcements on



	Wahjoedi, I. Shakoor, F. Hussain, F. Riaz, Z. Jamil, S. Isaac, Q. Ashraf		Epoxy-Based Hybrid Composite
9.	N. Afzal, K. M. Deen, R. Ahmad, Z. Niazi, A. Farooq, M. Rafique, Y. S. Kim, M. K. Rahman	Protection of Metals and Physical Chemistry of Surfaces	Improvement in the Pitting Resistance of Inconel-600 by Nitrogen Ions Implantation
10.	F. Riaz, T. Ahmad, M. Kamran, M. T. Munir, F. Hussain, M. U. Manzoor, R. Ahmad	Journal of the Pakistan Institute of Chemical Engineers	The Production and Characterization of Ultrafine-Grained Metal Sheets Produced by Accumulative Roll Bonding Process
11.	W. Islam, G. Hameed, T. Ahmad, M. Kamran, H. Khan, Z. Abbas	Journal of the Pakistan Institute of Chemical Engineers	Effect of Magnesium Concentration and Temperature on the Morphology and Chemical Composition of Anodized Layer of Al Alloys
12.	T. Ahmad, M. A. Ehsan, K. M. Ghauri, M. Kamran, Q. K. Muhammad	Journal of Faculty of Engineering and Technology	Comparative Study of Dissimilar Weldings of AA6061 and AA2024 Aluminum Alloys by FSW and GTAW
13.	R. Bashir, G. H. Awan, T. Ahmad, M. Kamran, A. Ahmad, L. A. Kasuri	Journal of the Pakistan Institute of Chemical Engineers	Electroless deposition of high phosphorus Ni-P, Ni-Al ₂ O ₃ -P, Ni-Cu-P coatings and their corrosion behaviour in 0.5M Na ₂ SO ₄ solution
14.	F. Riaz, T. Ahmad, M. T. Z. Butt, M. Kamran, F. Hussain	Journal of the Pakistan Institute of Chemical Engineers	Investigation on Various Formulations of Rust Converter by Using Spectroscopic, Microscopic and Electrochemical Characterization Techniques
15.	M. R. Zafar, M. A. Mehmood, A. Inam, M. Ishtiaq	Journal of the Pakistan Institute of Chemical Engineers	Effect of Starting Microstructure on Material Removal Rate (MRR) of AISI 1045 Steel in (Die-Sinking) Electric Discharge Machining
16.	A. Inam, R. Brydson, D.V. Edmonds	Materials Characterization	Effect of starting microstructure upon the nucleation sites and distribution of graphite particles during a graphitising anneal of an experimental medium-carbon machining steel
17.	M. U. Manzoor, P. Lemoine, D. Dixon, J. W. J. Hamilton, P. D. Maguire	AIP Advances	Stretchable conducting gold films prepared with composite MWNT/PDMS substrates



2.3 Research Collaborations:

2.3.1 Indigenous

The Department of Metallurgy & Materials Engineering has research collaboration with local industries (Shafi Reso Chemical, Naeem and Company, Chenab Steel, etc.). The Department is also collaborating with Department of Metallurgy, University of Engineering and Technology (UET), Lahore in various research projects.

2.3.2 Foreign Linkages

Dr. Waseem Ahmed of University of Pittsburgh, USA is providing technical assistance in various research projects.

Dr. Aidan Westwood of University of Leeds, UK is collaborating with Dr. Mohsin of Department of Metallurgy in “Graphene research Project”.

2.3.3 Funding grants for R&D (for the year 2014-15)

The faculty members of Department of Metallurgy & Materials Engineering obtained research grants from University of the Punjab (details given in Chapter 2). Department has also secured a grant of 67 million rupees under the scheme “Lab Capacity Building Project” from HEC. The purchase of equipment in this regard is in final process. Dr. Mohsin Ali Raza secured grant of Rs. 17 million from HEC to carry out research project “Synthesis of graphene and development of graphene nanoplatelet/polymer composites”

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

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

1. Concept of Nafs in Quran and Modern Psychological Thought

(ii) Newly launched

1. Quranic Concept of Religion



- Publications: Books/ Edited.

for example: Authors name, Article name, Journal with date, duration, sponsoring agency, funding
(Funding by Punjab University)

Sr. No.	Name of Author	Title of Paper/Article
1	Prof. Dr.Tahira Basharat	اسلام کا فلسفہ شفاعت۔ تحقیقی و تجزیاتی مطالعہ
2	Dr. Hafiza Shahida Parveen	پنجاب کے دیہی علاقوں میں زائرین حج و عمرہ کے رخصت و استقبال کی رسومات۔ ایک جائزہ
3	Dr. Asim Naeem	قرآن حکیم انبیاء کرام کا طرز استدلال اور سائنسی طریق کار
4	Dr. Asim Naeem	معرفت سبب نزول۔ چند اہم مباحث کا تحقیقی مطالعہ
5	Dr. Ihsan ur Rehman Ghouri	فہم مفسر قرآن کے اصول و ضوابط۔ متقدم فی اصول التفسیر از ابن تیمیہ کا اختصا صی مطالعہ
6	Dr. Ihsan ur Rehman Ghouri	عروہ بن زبیرؓ کے معاصر سیرت نگاری پر اثرات
7	Dr. Hafiz Hasan Madni	تلاوت قرآن کے نبوی آداب
9	Dr. Hafiz Usman Ahmad	حرم مدینہ کے شرعی احکام اور مدینہ منورہ میں توسیع کی شرعی حیثیت
10	Dr. Hafiz Usman Ahmad	حدیث و اصول حدیث کے قرآنی مستندات
11	Dr. Hafiz Usman Ahmad	قبر نبوی پر قبہ کی شرعی حیثیت
12	Dr. Hafiz Usman Ahmad	تدریج اور اس کے اسلام احکامات پر اجراء و اطلاق کے مباحث

- 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:

1. **Seminar on** “سبع عشرہ قراءات ایک تاریخی جائزہ” **11-12-2014**
2. **Seminar on** “اسلام کا نظام احتساب” **05-01-2015**
3. **Seminar on** “قیام پاکستان اور تحریک استشراف” **31-03-2015**
4. **Seminar on** “سالمیت پاکستان اور اساتذہ کی ذمہ داریاں” **06-04-2015**
5. **Seminar on** “آخرت اور اس کے مراحل” **14-04-2015**



- Research Journals **2014-15 (Authors name, Article name, Journal with date)**

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

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM

2.2: Projects:

Second Edition of the Urdu Encyclopaedia of Islam

2.3: Publications:

- 1- Dr. Muhammad Arshad (Chief Editor/ Professor)

۱۔ ڈاکٹر محمد ارشد

۱۔ "مکتوبات ڈاکٹر محمد حمید اللہ معیار" [شعبہ اردو، بین الاقوامی اسلامی یونیورسٹی، اسلام آباد کا تحقیقی مجلہ]
۲۔ "پاکستان میں قانون اسلام کی ترویج: محمد اسماعیل قریشی کی کاوشوں کا جائزہ" جہات الاسلام کلیہ علوم اسلامیہ
جامعہ پنجاب لاہور کا تحقیقی مجلہ، جلد نمبر ۸، شمارہ ۲۰، جنوری تا جون ۲۰۱۵ء، ص ۲۵۷-۲۶۹

2.4: Seminars/ Workshops:

Dr. Hafsa Nasreen (Senior Editor/ Assistant Professor)

- 1- One day workshop on "Communication Skills" 18th August 2015, at Institute of Administrative Sciences, University of the Punjab Lahore.
- 2- Participated in Seminar on "Quality Assurance in Education" on 3rd April 2015 at al-Razi Hall, Department for Undergraduate Studies, University of the Punjab, Lahore.

SHEIKH ZAYED ISLAMIC CENTRE

- Publications

1. Name: Dr. Muhammad Ijaz

Director, Sheikh Zayed Islamic Centre

- i. فائل کی بنیاد پر زمین کی مروجہ تجارت کی شرعی حیثیت

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014, Volume No. 29, Issue No.42.

- ii. سودی نظام مشیت میں اسلامی بینکاری

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, June 2015,

- iii. معالم السنن اور اصطلاحات حدیث

Jihat ul Islam, Faculty of Islamic Studies, PU, LHR, ISSN 2071-8683, Category Y, June 2015,

2. Name: Dr. Muhammad Abdullah

Associate Professor, SZIC

- i. ذرائع ابلاغ کا کردار اور ذمہ داریاں (تعلیمات نبویؐ کی روشنی میں)

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,



- ii. دہشت گردی اور اس کا انسداد (اسلامی تعلیمات کی روشنی میں)

Jihat ul Islam, Faculty of Islamic Studies, PU, LHR, ISSN 2071-8683, Category Y, December 2014,

- iii. “تفسیر قرآن میں کتب سابقہ سے اخذ و استفادہ کے اسالیب”

Al-Qalam, Dept. of Islamic Studies, PU, LHR, ISSN 2071-8683, Category Y, December 2014.

3. **Name: Dr. Hafiz Abdullah**

Assistant Professor, SZIC

- i. اقتضاء النص اور تفسیر قرآن

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,

- ii. اشارة النص اور تفسیر قرآن

Pakistan Journal of Islamic Research, BZU, Multan, Category: Y, December 2014

4. **Name: Dr. Ishtiaq Ahmad Gondal**

Assistant Professor, SZIC

- I مولانا مناظر احسن گیلانی اور علم التعليم کی تشکیل جدید

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,

5. **Name: Dr. Hafiz Muhammad Abdul Qayyum**

Assistant Professor, SZIC

- i. عہد عثمانی میں صحف صدیقی کی ترویج

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,

- ii. جمع و تدوین قرآن اور نسخ قرآن و قراءات

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, June 2015,

6. **Name: Dr. Hafiz Abdul Basit Khan**

Assistant Professor, SZIC

- i. الہدایہ (مرغینانی) کے قواعد فقہیہ اور عصری مسائل پر ان کا اطلاق

Jihat ul Islam, Faculty of Islamic Studies, PU, LHR, ISSN 2071-8683, Category Y, December 2014,

- ii. DNA سے اثبات نسب کی شرعی حیثیت



Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,

iii. مانع حمل، اقدامات اور معاصر اجتہادات۔ تحقیقی جائزہ

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, June 2015,

7. **Name: Dr. Samina Saadia**

Assistant Professor, SZIC

i. المدخل الفقہی العام (شیخ مصطفیٰ احمد الزرقا)

Al-Adwa, Place: SZIC, PU, Lahore, ISSN: 1998-4472, Category: Y, December 2014,

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

Sheikh Zayed Islamic Centre organized different seminars during July 01, 2014 to June 30, 2015 according to the following detail:

Date 20-11-2014

Speaker Syed Jalal ud Din Omari, India

Topic بھارتی مسلمانوں کی دعوتی اور علمی کاوشیں

Date 24-03-2015

Speaker Prof. Dr. Yasin Mazhar Siddiqi Former Director Shah Wali Allah Academy, Aligarh Muslim University, India

Topic Tahafz e Namoos e Risalat SAW (Tarikh Kay Ainay main)

Date 22-04-2015

Speakers 1. Moulana Abdul Malik, (Chief Ithad ul Ulama Pakistan) 2. Moulana Zahid ur Rashidi, (General Secretary Pakistan Sharia Council) 3. Prof. Dr. Mazhar Moeen, (Ex-Dean Faculty of Oriental Learning)

Topic Maulana M. Nafay ki Ilmi o Deeni Khidmat

○ **Research Journals**

A bi-annual and multilingual research journal "Al-Adwa" is being published by the Centre which is an approved journal of Higher Education Commission (HEC) in "Y" Category.



Dr. Muhammad Ijaz, Director Sheikh Zayed Islamic Centre is Chief Editor and Dr. Hafiz Muhammad Abdul Qayyum is the Editor of the above said journal.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- Research & Development 2014-15 & D An Overview (5-10 lines)

Name	Title	Funding
Dr. Shazia Qureshi	Inculcating Legal Ethics among Lawyers: A Review of Professional Socialism Process	Punjab University
Mr. Naeem Ullah Khan	Sanctity of Dispute Resolution Clauses in Transnational Commercial Contracts Judicial Decisions and Impact on Trade and Investment.	Punjab University
Mr. Zaheer Iqbal Cheema	Domestication of CEDAW in context of Gender Based Disparities in Pakistan: Issue, challenges and	Punjab University
Mr. Jawwad Riaz	The Legal Status of Foetus. A comparative Analysis	Punjab University

Projects: (i) Completed: Yes Duration 01 Years, Sponsoring agency, funding: Punjab University

- Publications: Books/ Edited
for example: Authors name, Article name, Journal with date, duration, sponsoring agency, funding
International Economic Law Theory and Practice in Pakistan
Author: Naeem Ullah Khan Assistant Professor
Publisher: Manzoor Law Book House
- Research Journals 2014-15 (**Authors name, Article name, Journal with date**)
 1. **Shazia Qureshi**, 2014, Understanding the Issue of Gender Discrimination as a 'Crime' of Gender Apartheid and Placing Violence against Women at the Centre of this Matrix, *South Asian Studies: A Research Journal of South Asian studies* 29 (1), 91-101 HEC recognized 'Y' category journal
 2. **Shazia Qureshi & Ernest Owusu-Dapaa**, 2014, The International Human Rights to Health: What does it mean for Municipal Law in Ghana and Pakistan, *Journal of Political Studies* 21(1) 315-334. HEC recognized 'X' category journal



3. **Shazia Qureshi**, Raza Ullah, 2014, Learning Experiences of Higher Education students: Approaches Learning as Measures of Quality of Learning Outcomes' *Bulletin of Education and Research*, Vol.36, No.1 pp 95-114. HEC recognized 'X' category journal
 4. Rubeena Zakar, **Shazia Qureshi**, Muhammad Zakria Zakar, Ashraf Chaudhry, Nauman Aqil, Safdar Abbas, Saeed Watto, 2014, Caught in the Crossfire: Aggression and Violence against doctors in after 9/11. *Journal of Political Studies*, 21(!), 281-298. HEC recognized 'X' category journal
 5. Muhammad Zakria Zakar, Rubeena Zakar, Nauman Aqil, **Shazia Qureshi**, Noshina Saleem, Sajjad Imran, "Nobody likes a person whose body is covered with mud", Health hazards faced by child laborers in the brick kiln sector of the Okara District, *Canadian Journal of Behavioral Science*. Factor: 0.662
- Foreign Linkages West Law
 - Funding Grants for R&D (For the year 2014-15) West Law

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- Research & Development 2014-2015 – 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: (i) **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
5	“Translation & Adaptation of “ STIGMA OF SUICIDE SCALE”	Dr. Nashi Khan	One Year	Punjab University	150000	Completed
6	Sensation Seeking, Driving Anger and Driving Attitudes in Young Adults	Ms. Hidna Iqbal	One Year	Punjab University	125000	Completed
7	Selfies, Narcissistic Traits, and Self Esteem in University Students	Ms. Adeela Khalid	One Year	Punjab University	125000	Completed

Projects: (ii) Newly launched

Sr. No.	Project Name	Name of Faculty	Duration	Sponsoring Agency	Funding	Present Status
1	Printing of Manual: Scale for Emotional Intelligence (SEI)	Dr. Saima Dawood	One Year	Punjab University	150000	In Progress
2	Abuse and Neglect Questionnaire: Revision and Standardization	Aasma Yousaf	One Year	Punjab University	150000	In Progress
3	Stress Reactivity, Rumination and Emotion Regulation in Patients with Depression and Anxiety	Tehreem Arshad	One Year	Punjab University	150000	In Progress
4	Family Functioning, Personality Traits, Wellbeing and Spillover in Married Working Women	Ms. Faiza Safdar	One Year	Punjab University	150000	In Progress
5	Self-Efficacy and Psychological Wellbeing in Adolescents	Ms Rabia Dasti	One Year	Punjab University	125000	In Progress

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

Name of Resource Person	Sponsors	Presentation Oral / Poster	Topic	Date
Dr. Oskaan Mehmedagi	CCP	Oral	Addiction Treatment, Using NLP, Hypnosis and EFT (Emotional Freedom Technique”	28 th – 30 th October, 2014



Dr. Samina Ahmed Mr. Salman Ahmad	CCP	Oral Talk	Sehatmand Pakistan: Over Coming all Challenges	2 nd November, 2014
Dr. Syed Akhter Ali Naqvi	CCP	Oral	Brief Trauma Therapy	31 st December, 2014 & 1 st January, 2015
Dr. Steve Kidd	CCP	Oral lecture	Trauma and Trauma Recovery	3 rd January, 2015
Dr. Oskaan Mehmedagi	CCP	Oral	NLP Communication Model and Post Traumatic Stress Disorder	12 th – 13 th February, 2015
Dr. Zainab fatowwat Zadeh	CCP	Oral	Play Therapy for Trauma Survivors	28 th April, 2015
Mental Health Day	CCP	Oral	Caregiver's Burden in Psychiatric Rehabilitation	27 th May, 2015
Dr. Syed Akhter Ali Naqvi	CCP	Oral	Orientation Workshop on Eidetic Psychotherapy	13 th – 14 th October, 2015
Dr. Oskaan Mehmedagi	CCP	Oral	The Science of empowerment	20 th November, 2015
Dr. Saima Qamar	CCP	Oral	Qualitative Research	26 th November, 2015

Research Journals 2014-2015 (Authors name Article name, Journal with date)

Sr. No.	Name of Author	Title of Paper / Article
1	Prof. Dr. Rukhsana Kausar	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.
2	Prof. Dr. Rukhsana Kausar	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.
3	Prof. Dr. Rukhsana Kausar	Tariq O. & Kausar R. (2015). Parental Acceptance-Rejection and Interpersonal Problems in Patients with Conversion Disorder. <i>Journal of Behavioural Science (JBS)</i> , Vol. 25 (1), 19-38. X Category.
4	Prof. Dr. Rukhsana Kausar	Batool S. & Kausar R. (2015). Health Related Behaviors and Medication Adherence in Patients with Hepatitis C. <i>Journal of Behavioural Science (JBS)</i> , Vol. 25(1), 172-186, X Category.



5	Prof. Dr. Rukhsana Kausar	Naz F. & Kausar R. (2015). Translation and Validation of Interpersonal Relationship anxiety Questionnaire. <i>FWU Journal of Social Sciences</i> , Vol. 9(1), 117-125, X Category.
6	Prof. Dr. Rukhsana Kausar	Zafar N. & Kausar R. (2015). Psychosocial Implications of Early Father Separation for Adolescents and their Mothers. <i>Journal of Indian Academy of Applied Psychology (JIAAP)</i> , Vol. 4(2), 323-334, Y Category.
7	Prof. Dr. Rukhsana Kausar	Naz F. & Kausar R. (2015). Parental Neglect, Self-Esteem, Emotional Instability and Depressive Symptoms in Adolescents with Somatic Symptoms. <i>Pakistan Journal of Social Sciences</i> , Vol. 35(1), 25-36, (Y-Category).
8	Prof. Dr. Rukhsana Kausar	Khan N., Kausar R. Khalid, A & Farooq A. (2015). Gender Differences among Discrimination & Stigma Experienced by Depressive Patients in Pakistan. <i>Pakistan Journal of Medical Sciences</i> , ISSN: 1682-024x; Vol.31 (6), 1432-1435, (IF = 0.231).
9	Prof. Dr. Rukhsana Kausar	Ahmad S., Arshad T. & Kausar R. (2015). Psychological Correlates of Distress in Rescue 1122 Workers in Pakistan. <i>International Journal of Emergency Mental Health and Human Resilience</i> , Vol. 17(2), 486-494, ISSN 1522-4821 (IF = 3.63).
10	Dr. Nashi Khan	Gender Differences among Discrimination & Stigma Experienced by Depressive Patients in Pakistan. <i>Pakistan Journal of Medical Sciences</i> , 31 (6). 1432-1435, Impact factor 0.231
11	Dr. Nashi Khan	Traumatic Life Experiences and Self Harm in Women Prisoners of Pakistan. <i>Research Journal of Social Science and Management</i> . 4 (9) 2015. 96-102. impact factor 3.95
12	Dr. Nashi Khan	Social Competence Scale for Adolescence (SCSA): Development and Validation within Cultural Perspective. <i>Journal of Behavioural Sciences</i> . 25 (1) 2015. 59-77. X category.
13	Dr. Saima Dawood	The Epidemiology of Poly Victimization in Pakistan. <i>Journal of Behavioural Science</i> . 25 (1).
14	Dr. Saima Dawood	Personal values in Relation to Parental Relationship and Vulnerability towards Psychopathology. <i>Pakistan Journal of Psychology</i> . 46 (1).
15	Dr. Saima Dawood	Efficacy of Behaviour Therapy in the Treatment of Obsessive Compulsive Disorder. <i>Pakistan Journal of Clinical Psychology</i> . Jan, 2013 pp. 35-42.
16	Dr. Aisha Sitwat	Psychopathology, Psychiatric Symptoms and their demographic Correlates in Female Adolescents Flood Victims. <i>Journal of the College of Physicians and Surgeons Pakistan</i> . 2015 Vol. 25 (12): 886-890. Impact factor 0.353 w category.



17	Ms. Aasma Yousaf	Psychopathology, Psychiatric Symptoms and their demographic Correlates in Female Adolescents Flood Victims. Journal of the College of Physicians and Surgeons Pakistan. 2015 Vol. 25 (12): 886-890. Impact factor 0.353 w category.
18	Ms. Rabia Dasti	Caregiver Burden Spirituality and psychological wellbeing of Patients having children with Thalessemia. Journal of Religion and Health. September, 2015 (online). Impact factor 1.02.
19	Ms. Rabia Dasti	Poly Victimization & Mental Health of Street Children in Lahore City. Journal of Mental Health. September, 2015 (online). Impact factor 1.40.

Research Journals

Pakistan Journal of Professional Psychology: Research & Practice 4th Issue is in process.

RESEARCH COLLABORATION

- Foreign Linkages

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

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

RESEARCH & DEVELOPMENT

2.1: Research & Development 2014-15 An Overview (5 – 10 lines)?

Centre of Excellence in Molecular Biology continues its aim of advance teaching and research in the field of molecular biology as in previous years. It has provided a platform to the scholars and scientists to work in an innovative environment. This state of the art molecular biology research facility has greatly contributed in the development, improvement and identification of new methods for disease diagnosis and drug development. Different research groups like stem cells, plant genomics, plant biotechnology, seed biotechnology, Plant biosafety studiesMolecularMedicine, 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.

**2.2: PROJECTS:****2.2.2: Newly Launched:**

Sr. #	Name of the Projects	Sponsoring Agency	Funding Million / Rs.
1	Development of Albumin Fusion Technology for Potent Long Lasting Consensus Interferon (IFN CON-1)	HEC	2.219,746
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: 2014**NATIONAL AND INTERNATIONAL:**

Sr.#	Publications
1	Ishfaq M, Mahmood N, Nasir IA and Saleem M. (2014) Molecular and Biochemical Screening of Local <i>Aspergillusniger</i> Strains Efficient in Catalase and Laccase Enzyme Production.IJAB. 16(1): 177-182.
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.



3	Jahangir GZ, Nasir IA, Hossain MB, Rahman Z, Ahmad N and Khan MA. (2014) Disease free and rapid mass production of sugarcane cultivars. <i>Advancements in Life Sciences</i> . 1 (3): 171-180.
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. <i>Adv. life Sci.</i> , 1(3):129-138.
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. <i>Pakistan Journal of Agricultural Sciences</i> 51(4), 935-941.
6	Ahmed N, Zafar AU, Khan MA, Tahir S, Khan MI, Bashir H, Khan F, Sarwar S, Ilyass S, Husnain T (2014) Matrix assisted refolding and purification of placenta derived recombinant human interleukin-6 produced in <i>Escheria coli</i> . <i>Biology Reports</i> DOI 10.1007/s 11033-013-2989-1
7	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>Pichiapastoris</i> from Huh-7 cell line. <i>Molecular Biology Reports</i> . 1-7.
8	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>Pichiapastoris</i> -based expression system. <i>Yeast</i> . 31 (1): 13-28.
9	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. <i>Mol Vis</i> . 6; 20:1-14.
10	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. <i>American Journal of Human Genetics</i> . 94(1):144-52.
11	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>Gossypiumhirsutum</i> L.). <i>Turk J Biol</i> . 38: 226-237.
12	Ashraf MA, Shahid AA, Rao AQ, Shahzad KB and Husnain T (2014). Functional Characterization of a Bidirectional Plant Promoter from Cotton Leaf CurlBurewala Virus Using an <i>Agrobacterium</i> -Mediated Transient Assay. <i>Viruses</i> 6, 223-242.
13	Nasir IA, Tabassum B, Qamar Z, Javed MA, Tariq M, Farooq AM, Butt SJ, Rao AQ, Husnain T (2014). Herbicide-tolerant sugarcane (<i>Saccharumofficinarum</i> L.) plants: An unconventional way of weed removal. <i>Turkish Journal of Biology</i> 1.04
14	Mahmood R; Naseer M; Shahid AA, Usmani A and Ali A. (2014). Screening of indigenous weed extracts against <i>Fusariumsolani</i> with an emphasis to soil fertility-related microbial activities. <i>Journal of Food, Agriculture & Environment</i> . 12 (2): 958 - 962.
15	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 AmpFISTRIdentifiler and AmpFISTRMiniFiler STR Kits. <i>Australian Journal of Forensic Sciences</i> , 1-24.



16	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>Gossypiumhirsutum</i> . Journal of Natural Sciences Research, 4(5): 68-73
17	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.
18	Hassan S, Sarwar MB, Sadique S, Rashid B, Aftab B, Mohammed BB, Husnain T. (2014). Growth, physiological and molecular responses of cotton (<i>Gossypiumaraboreum</i> L.) under NaClstress. AJ Plant Sci 5(5):605-614
19	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..
20	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.
21	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.
22	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
23	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.
24	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.,
25	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.
26	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.
27	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.
28	Perveen R, Rahman Z, Shahzad MS, Israr M, Shafique M, Shan MA, and Husnain T. (2014) Y-STR haplotype diversity in Punjabi population of Pakistan. Forensic Science International: Genetics, 9, 20-21.
29	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.

**PUBLICATIONS: 2015:****NATIONAL AND INTERNATIONAL:**

Sr. No	Publication
30	Shafique, M., Shahzad MS., Perveen, U, Parveen, R., Ali, A., Hussain, M., Rehman, Z., Shahid, AA. and Husnain, T (2015). Allele frequency distribution of 10 MiniSTRs in the Pashtun population of Pakistan. International Journal of Legal Medicine. 129(3): 467-468. 2.714
31	Shan, MA., Tahira, F., Shafique, M., Hussain, M., Perveen, R., Shahzad, M., Ehsan, F., Shahzad, MS., Rehman, Z., Ali, Q and Iqbal, M (2015). Estimation of different Biochemical Intensities in Drinking water from Eastern Region of Lahore City. Advancements in Life Sciences. 2(3): 131-134
32	Shafique. M., Hussain, M., Shan, MA., Shahzad, M., Hussain, S., Hussain, N., Ehsan, F., Perveen, R and Iqbal M (2015). Genetic Diversity of 15 autosomal STR loci in the population of Southern Punjab Pakistan. Forensic Science International: Genetics. http://dx.doi.org/10.1016/j.fsigen.2015.05.013 . 4.6
33	Jamal, A., Shahid, MN., Aftab, B., Rashid, B., Kiani, S., Mohammed, BB., Sarwar, MB., Hassan, S and Husnain, T (2015). Alterations in photosynthetic, water relations and biochemical components in cotton subjected to drought stress. Journal of Global Biosciences. 4(2): 1517-1529.
34	Hafeez MN, Sadique S, Hassan S, Sarwar MB, Rashid B, Ali Q and Husnain T (2015). Physiological, morphological, biochemical and molecular basis of drought tolerance in Cotton. Journal of Biology Pharmacy and Allied Sciences. 4(3): 1091-1112
35	Mohamed BB., Sarwar MB., Hassan S., Rashid B., Aftab B and Husnain T (2015). Tolerance of Roselle (<i>Hibiscus Sabdariffa</i> L.) genotypes to drought stress at vegetative stage. Advancements in Life Sciences. 2(2): 74-82
36	Noreen, S., Hussain, I., Tariq, MI., Ijaz, B., Iqbal, S., Zaman, QU., Ashfaq, UA and Husnain, T (2015). Portulacaoleracea L. as a Prospective Candidate Inhibitor of Hepatitis C Virus NS3 Serine Protease. Viral Immunology 1-8. 28(5): 1-8. 1.636
37	Mahmood, R., Choudhery, MS., Mehmood, A., Khan, SN and Riazuddin, S (2015). <i>In Vitro</i> Differentiation Potential of Human Placenta Derived cells into Skin Cells. Stem Cells International, http://dx.doi.org/10.1155/2015/841062 . 2.83
38	Mehmood, A., Ali, M., Khan, SN and Riazuddin, S (2015). Diazoxide preconditioning of endothelial progenitor cells improves their ability to repair the infarcted myocardium. Cell Biology International. http://dx.doi.org/10.1002/cbin.10498 . 1.9
39	Khubaib, B., Idrees, M., Afzal, S and Waqar, S (2015). The genotype CC of 1228B SNP rs 12979860 is significantly associated with sustained virological response in chronic HCV Pakistani patients. Journal of Digestive Diseases. 16(5):293-298. 1.924
40	Wajid, N., Latief, N., Ali, M., Javed, S., Naseem, R and Ali, F (2015). The effect of glucose on growth of mesenchymal stem cells derived from umbilical cords of normal and gestational diabetic mothers. International Journal of Life Sciences and Review (IJLSR). 1(6):222-226



41	Iqbal, Z., Lucia, P., Musante, L., Razzaq, A., Zahoor, MY., Hu, H., Wienker, TF., Garshasbi, M., Fattahi, Z., Gilissen, C., Vissers, LELM., Arjan PM., Brouwer, de., Veltman, JA., RolphPfundt., Najmabadi, H., Ropers, HH., Riazuddin, S., Kahrizi K and Bokhoven, HV (2015). Missense variants in AIMP1 gene are implicated in autosomal recessive intellectual disability without neurodegeneration. Eur J Hum Genet. http://dx.doi:10.1038/ejhg.2015.148 . 4.349
42	Simon, M., Richard, EM., Wang, X., Shahzad, M., Huang, VH., Qaiser, TA., Potluri, P., Mahl, SE., Davila A, Nazli S, Hancock S, Yu, M., Gargus, J., Chang, R., Sheqaih, NA., Newman, WG., Abdenur, J., Starr, A., Hegde, R., Dorn, T., Busch, A., Park, E., Wu, J., Schwenzer, H., Flierl, A., Florentz, C., Sissler, M., Khan, SN., Li, R., Guan, MX., Friedman, TB., Wu, DK., Procaccio, V., Riazuddin, S., Wallace, DC., Ahmed, ZM., Huang, T and Riazuddin S (2015). Mutations of human NARS2, encoding the mitochondrial asparaginyl-tRNA synthetase, cause nonsyndromic deafness and Leigh syndrome. PLoS Genet. http://dx.doi:10.1371/journal.pgen.1005097 eCollection 2015. 8.17
43	Nayak, G., Varga, L., Trincot, C., Shahzad, M., Friedman, PL., Klimes, I., Greinwald, JH., Jr., Riazuddin, SA., Masindova, I., Profant, M., Khan, SN., Friedman, TB., Ahmed, ZM., Gasperikova, D., Riazuddin, S and Riazuddin S (2015). Molecular genetics of MARVELD2 and clinical phenotype in Pakistani and Slovak families segregating DFNB49 hearing loss. Hum Genet. 134(4): 423-37. 3.974.
44	Ali, S., Khan SY., Naeem, MA, Khan SN., Husnain, T., Riazuddin, S., Ayyagari, R., Riazuddin, S., Hejtmancik, JF and Riazuddin SA (2015). Phenotypic variability associated with the D226N allele of IMPDH1. Ophthalmology. 122(2):429-31. 6.1
45	Awan MF, Abbas MA., Muzaffar, A., Ali, A., Tabassum, B., Rao AQ, Nasir IA and Husnain, T (2015). Transformation of Insect and Herbicide Resistance Genes in Cotton (<i>Gossypium hirsutum</i> L.) J. Agr. Sci. Tech. 17(2): 287-298. 0.699
46	Muzaffar, A., Kiani, S., Khan, MAU. Rao, AQ., Ali, A., Awan, MF. Iqbal, A., Nasir, IA., Shahid, AA and Husnain T (2015). Chloroplast localization of the Cry1Ac and Cry2A proteins: an alternative method of insect control in cotton. BMC Biological Research Journal. 48:14 2-11. 1.48.
47	Khan, MAU. Shahid, AA. Rao, AQ., Shahid, N., Latif, A., Din, SU and Husnain T (2015). Defense strategies of cotton against whitefly transmitted CLCuV and Begomoviruses. Advancements in Life Sciences. 2(2): 58-66
48	Bajwaa, KS. Shahid, AA. Rao, AQ., Dahab, AHA. Muzaffar, A., Rehman, H., Ahmad, M., Shaukat, MS., Gul, A., Ahad, A and Husnain, T (2015). Detection of Transgenes in Cotton (<i>Gossypium hirsutum</i> L.) by Using Biotechnology/Molecular Biological Techniques. International Journal of Biological, Food, Veterinary and Agricultural Engineering. 9(1):87-92
49	Shanakht., Shahid, AA and Ali, SW (2015). Journal of Hygienic Engineering and Design, UDC. UDC 614.31:633.18-248.2(549)
50	Jafri, I., Shahid, AA., Ibrahim, A and Atif M (2015). Efficacy of different bacterial strains against <i>Meloidogyne incognita</i> . Pakistan Journal of Nematology. 33(1)
51	Bilal, M., Saeed, M., Nasir, I.A., Tabassum, B., Zameer, M., Khan, A., Tariq, M., Javed, M.A. and Husnain, T. (2015). Association mapping of cane weight and tillers per plant in Sugarcane. Biotechnology & Biotechnological equipment. 29(4): 617-623.



52	M. F. Awan, M. A. Abbas, A. Muzaffar, A. Ali, B. Tabassum, A. Q. Rao, A. Nasir and T. Husnain (2015). Transformation of Insect and Herbicide Resistance Genes in Cotton (<i>GossypiumHirsutum</i>)".Journal of Agricultural Science and Technology. 17: 275-285.
53	Qamar, Z., Khadija, A, Nasir, IA., Farooq, A., Tabassum, B., Ali, Q., Ali, A., Awan, MF, Tariq M and Husnain, T (2015). An overview of genetic transformation of glyphosate resistant gene in Zea mays.Nature and Science. 13(3): 80-90
54	HussainM, Idrees M, and Afzal S (2015).Development of Global Consensus of Dengue virus envelop glycoprotein for epitopes based vaccine design. Current computer – aided drug design. 11(1):84-97. 1.268
55	Salim, A., Nasir, IA., Rao, AQ., Ali, M., Anjum, MS., Hameed, A., Tabassum, B., Khan, A., Ali, A., Zameer, M and Husnain, T (2015).Biosafety Study of Genetically Modified CEMB Sugarcane on Animals for Glyphosate Tolerance. 2(3)
56	Shahid M., Sabar, MF., Rahman, ZU., Ghani, MU., Kousar, S., Awan, FI and Husnain, T (2015). Urbanization Triggers Asthma in ‘C’ Allele carriers for rs12603332
57	Puspito AN, Rao AQ, Hafeez MN, Iqbal MS, Bajwa KS, Ali Q, Abbas MA, Latif A, Shahid AA, Nasir IA, Husnain T (2015). Transformation and evaluation of Cry1Ac+Cry2A and GTGene in <i>Gossypiumhirsutum</i> L. Frontiers in Plant Sciences.doi: 10.3389/fpls.2015.00943.
58	Bajwa KS, Shahid AA, Rao AQ, Bashir A, Aftab A, Husnain T (2015). Stable Transformation and Expression of GhEXPA8 FiberExpansion Gene to Improve Fibre Length and Micronaire Value in Cotton.Frontiers in Plant Science.doi: 10.3389/fpls.2015.00838.
59	Ahad A, Ahmad A, Din SU, Rao AQ,Shahid AA, Husnain T (2015). <i>In silico</i> study for diversing the molecular pathway of pigment formation: an alternative to manual coloring in cotton fibers. Frontiers in Plant Science.doi: 10.3389/fpls.2015.00751.
60	Ahmad A, Riaz, MR, Rao AQ, Khan MAU, Ahad A, Din SU, Husnain T (2015). In Silico determination of the insecticidal potential of Vip3Aa-Cry1Ac fusion protein against Lepidopteran targets by using molecular docking. Frontiers in Plant Science.doi: 10.3389/fpls.2015.01081.
61	Rao AQ, Khan MAU, Shahid N, Din SU, Gul A, Muzaffar A, Azam S, Samiullah TR, Batool F, ShahidAA, Nasir IA, Husnain T (2015). An Overview of Phytochrome; An important Light Switch and Photo-sensory Antenna for Regulation of Vital Functioning of Plants.Biologia. 1273–1283doi: 10.1515/biolog-2015-0147.
62	Latif A, Rao AQ, Khan MA, Shahid N, Bajwa KS, Ashraf MA, Husnain T. (2015). Herbicide-resistant cotton (<i>Gossypiumhirsutum</i>) plants: an alternative way of manual weed removal. BMC Research Notes. 8(453) 1-8 doi: 10.1186/s13104-015-1397-0
63	Ahmad A, Ahad A, Rao A Q, Husnain T (2015). Molecular docking based screening of neem-derived compounds with the NS1 protein of Influenza virus. Bioinformation. 11(7) 359-65
64	Ali S, Nasir IA, Ali A, Aslam U, Farooq AM, Tariq M, Tabassum, B, Qamar Z, Samiullah, TR, Rao AQ (2015). Genetic variability in coat protein gene of sugarcane mosaic virus in Pakistan and its relationship to other strains.African Journal of Biotechnology. 13(39) 3950-3965
65	Khan MAU, Shahid AA, Rao AQ, Azam S, Ahmad A, Ahmad M, Husnain, T (2015). Comparison of different species of cotton for the transmission of CLCuV through whitefly. Mycopath. 13(1) 57-66



66	Khan MAU, Shahid AA, Rao AQ, Bajwa KS, Muzaffar A, SamiullahTR, Nasir IA, Husnain T (2015).Molecular and Biochemical Characterization of Cotton Epicuticular Wax in Defense against Cotton Leaf Curl Disease (CLCuD).Iranian Journal of Biotechnology. 13 (4) 10-16. 0.47
67	Shahid AA, Anwar W, Khan S, Aslam M, Haider MS, Ali M (2015). Exploring fungal flora associated with insects of cotton agro ecological zones ofpunjab, Pakistan. Pakistan Entomologist. 37(1) 27-31
68	Shahid AA, Subhani MN, Nawaz K, Anwar W, Aslam M (2015). First Report of Pythiumspinosum Causing Root Rot of Chili (<i>Capsicum annuum</i>) in Pakistan. Plant Disease.doi: 10.1094/pdis-07-15-0745-pdn.
69	. Raza MH, Mattera R, Morell R, Sainz E, Rahn R, Gutierrez J, Paris E, Root J, Solomon B, Brewer C, Basra MA, Khan S, Riazuddin S, Braun A, Bonifacino JS, Drayna D (2015). Association between Rare Variants in AP4E1, a Component of Intracellular Trafficking, and Persistent Stuttering.Am J Hum Genet. 97(5)715-25 doi: 10.1016/j.ajhg.2015.10.007. 10.931
70	Rehman AU, Santos-Cortez RL, Drummond MC, Shahzad M, Lee K, Morell RJ, Ansar M, Jan A, Wang X, Aziz A, Riazuddin S, Smith JD, Wang GT, Ahmed ZM, Gul K, Shearer AE,Smith RJ, Shendure J, Bamshad MJ, Nickerson DA, Hinnant J, Khan SN, Fisher RA, Ahmad W, Friderici KH, Riazuddin S, Friedman TB, Wilch ES, Leal SM. (2015). Challenges and solutions for gene identification in the presence of familial locus heterogeneity. Eur J Hum Genet.23 (9) 1207-15doi:10.1038/ejhg.2014.266.
71	Ali M, Mehmood A, Khan SN, RiazuddinS (2015). Diazoxide preconditioning of endothelial progenitor cells from streptozotocin-induced type 1 diabetic rats improves their ability to repair diabetic cardiomyopathy. Molecular and Cellular Biochemistry.doi: 10.1007/s11010-015-2560-6.
72	Mehmood A, Ali M, Khan SN, RiazuddinS (2015). Diazoxide preconditioning of endothelial progenitor cells improves their ability to repair the infarcted myocardium. Cell Biology International. ISSN 1065-6995 doi: 10.1002/cbin.10498.
73	Shahid M, Akram M, Fatima Z, Purdy MA, Sue A, Saleem S, Amin I, Shahid M, Idrees M, Nawaz R. (2015). Introduction and evolution of dengue virus type 2 in Pakistan: a phylogeographic analysis. Virology Journal.doi: 10.1186/s12985-015-0371-8.
74	Khan SY, Ali S, Naeem MA, Khan SN, Husnain T, Butt NH, Qazi ZA, Akram J, Riazuddin S, Ayyagari R, Hejtmancik JF, Riazuddin SA. (2015). Splice-site mutations identified in PDE6A responsible for retinitis pigmentosa in consanguineous Pakistani families.Mol Vis. (21) 871-82.
75	Maranhao B, Biswas P, Gottsch AD, Navani M, Naeem MA, Suk J, Chu J, Khan SN, Poleman R, Akram J, Riazuddin S, Lee P, Riazuddin SA, Hejtmancik JF, Ayyagari R (2015). Investigating the Molecular Basis of Retinal Degeneration in a Familial Cohort of Pakistani Decent by Exome Sequencing.PLoS One. 10(9) doi: 10.1371/ journal.pone.0136561.
76	Naeem MA, Gottsch AD, Ullah I, Khan SN, Husnain T, Butt NH, Qazi ZA, Akram J, Riazuddin S, Ayyagari R, Hejtmancik JF, Riazuddin SA. (2015). Mutations in GRM6 identified in consanguineous Pakistani families with congenital stationary night blindness.Mol Vis. (21)1261-71. 1.987
77	Jiaox X, Khan SY, Irum B, Khan AO, Wang Q, Kabir F, Khan AA, Husnain T, Akram J, Riazuddin S, Hejtmancik JF, Riazuddin SA (2015). Missense Mutations in CRYAB Are Liable for Recessive Congenital Cataracts. PLoS One. 10(9) e0137973. doi: 10.1371. 3.234



78	Ahmed N, Bashir H, Zafar AU, Khan MA, Tahir S, Khan F, Husnain T. (2015). Optimization of conditions for high-level expression and purification of human recombinant consensus interferon (rh-clFN) and its characterization. <i>Biotechnology & Applied Biochemistry</i> . 62 (5)699-708. 1.8
79	Bashir H, Ahmad N, Khan MA, Zafar AU, Tahir S, Khan F, Khan MI, Husnain T. (2015) . imple procedure applying lactose induction and one step purification for high yield production of rhclFN. <i>Biotechnology & Applied Biochemistry</i> . doi: 10.1002/bab.1426. 1.8
80	Shafique M, Shahzad MS, Shan MA, Ali A, Rahman Z, Husnain, T. (2015). Genetic polymorphism of ten MiniSTR loci in the population of Punjab Pakistan for forensic application. <i>International Journal of Legal Medicine</i> . 129(5)937–942. 2.714.
81	Shafique M, Hussain M, Shan MA, Shahzad M, Hussain S, Hussain N, Ehsan F, Perveen R, Iqbal, M. (2015). Genetic Diversity of 15 autosomal STR loci in the population of Southern Punjab Pakistan. <i>Forensic Science International: Genetics</i> . (19)doi: 10.1016/j.fsigen.2015.05.013, e1-e2. 4.6.
82	Shahid M, Sabar MF, Bano I, Rahman Z, Iqbal Z, Ali SSF, Ghani MU, Iqbal M, Husnain T. Sequence variants on 17q21 are associated with the susceptibility of asthma in the population of Lahore, Pakistan . <i>Journal of Asthma</i> . 52777-784. 1.8.
83	Sabar MF, Ghani MU, Shahid M, Sumrin A. (2015). Genetic variants of ADAM33 is associated with asthma susceptibility in the Punjabi population of Pakistan”. <i>Journal of Asthma</i> .doi: 10.3109/02770903.2015.1124441. 1.8.
84	Hassan S, Sadique S, Sarwar MB, Rashid B, Husnain T. (2015). Morpho-physiological, biochemical and developmental responses of diploid cotton (<i>Gossypiumarboreum</i> L.) cultivars under varying NaCl stress. <i>International Journal of Biosciences</i> . 6(12)9-20.
85	Jamal A, Shahid MN, Aftab B, Rashid B, Kiani S, Mohammed, BB, Sarwar MB, Hassan S, Husnain, T. (2015). Alterations in photosynthetic, water relations and biochemical components in cotton subjected to drought stress. <i>Journal of Global Biosciences</i> . 4(2)1517-1529.
86	Hafeez MN, Sadique S, Hassan S, Sarwar MB, Rashid B, Ali Q, Husnain T. (2015). Physiological, morphological, biochemical and molecular basis of drought tolerance in Cotton. <i>Journal of Biology Pharmacy and Allied Sciences</i> . 4(3)1091-1112.
87	Mohamed BB, Sarwar MB, Hassan S, Rashid B, Aftab B, Husnain T. (2015).Tolerance of Roselle (<i>Hibiscus Sabdariffa</i> L.) genotypes to drought stress at vegetative stage. <i>Advancements in Life Sciences</i> . 2(2)74-82
88	Ansari MMUR, Shahee T, Bukhari SA, Husnian T. (2015). Genetic improvement of rice for biotic and abiotic stress tolerance. <i>Turkish Journal of Botany</i> . 39 911-919
89	Ali F, Kanwal N, AhsanA, Ali Q, Bibi I, Niazi NK. (2015). Multivariate Analysis of Grain Yield and Its Attributing Traits in Different Maize Hybrids Grown under Heat and Drought Stress. <i>Scientifica</i> .articleid 563869, 6 pages, 2015. doi:10.1155/2015/563869.
90	Mumtaz A, Sadaqat HA, Malook SU, Asif M, Shahzad A, Imran K, Aleem MU, AliQ. (2015). Gene action studies through diallel analysis in <i>Brassica rapa</i> for quality traits. <i>Life Sci J</i> . 12(11)19-27
91	Kanwal N, Sadaqat HA, Ali Q, Ali F, Bibil ,Niazi NK. (2015) Breeding Progress for morphology and genetic pattern in <i>Helianthus annuus</i> L. <i>Life Sci J</i> . 12(5s)49-56



92	Bhutta MA, Qureshi MK, Shabaz MK, Ahmad M, Malook SU Ali Q. (2015). Oxidative damage caused by Reactive Oxygen Species under drought stress in <i>Gossypiumhirsutum</i> . Life Sci J. 12(4s)51-59.
93	Ahmad HM, Rahman MU, Ali Q, Awan SI. (2015). Plant cuticular waxes: a review on functions, composition, biosyntheses mechanism and transportation. Life Sci J. 12(4s)60-67
94	Riaz S, Malook SU, Shah AH, Sarfaraz M, Kazmi SMZ, Abad Z, Jabeen S, Zamsn RQU, Asif M, Ali Q. (2015). Improvement of secondary metabolites for <i>Cucurbitamoschata</i> through tissue culture techniques: An overview. Life Sci J. 12(4s)94-101.
95	Ahmad HM, Rahman MU, Azeem F, Qurban Ali. (2015). QTL mapping for the improvement of drought tolerance in cereal crops: A review. Life Sci J. 12(4s)102-108.
96	Ali Z, Qadeer A, Ahmad HM, Aziz O, Qasam M, Ali Q. (2015). Assessment of effect of different herbicides on morphological traits of <i>Gladiolus grandiflorus</i> . Life Sci J. 12(4s)87-93.
97	Ramzan I, Sadaqat HA, Shah M, Ali Q. (2015). Correlation and path coefficient analyses of yield components in S3 progenies of <i>Helianthus annuus</i> . Life Sci J. 12(4s)109-112
98	Ali F, Ahsan M, Kanwal N, Ali Q, Niazi NK. (2015). Crop improvement through conventional and non-conventional breeding approaches for grain yield and quality traits in <i>Zea mays</i> . Life Sci J. 12(4s)38-50
99	Naseer S, Kashif M, Ahmad HM, Iqbal MS, Ali Q. (2015). Estimation of genetic association among yield contributing traits in aromatic and non-aromatic rice (<i>Oryza sativa</i> L) cultivars. Life Sci J. 12(4s)68-73
100	Naseer S, Kashif M, Ahmad HM, Iqbal MS, Ali Q. (2015). Assessment of genetic variability in basmati and non-basmati cultivars of <i>Oryza sativa</i> . Life Sci J. 12(4s)74-79
101	Raza MA, Ahmad HM, Akram Z, Ali Q. (2015). Performance evaluation of wheat (<i>Triticumaestivum</i> L.) genotypes for physiological and qualitative traits. Life Sci J. 12(4s)80-86
102	Bibi T, Mustafa HSB, Hasan EU, Rauf S, Mahmood T, Ali Q. (2015). Analysis of genetic diversity in linseed using molecular markers. Life Sci J. 12(4s)28-37
103	Abbas HG, Mahmood A, Ali Q. (2015). Genetic variability and correlation anlysis for various yield traits of <i>Gossypiumhirsutum</i> L. Journal of Agriculture Research. 5(11)313-318
104	Ali Q, Malook SU, AhsanM, SherA, Shakoore A, Mubarik MK, Sarafaraz M, Farooq U. (2015). Genetic Analysis of <i>Zea mays</i> Genotypes for Various Physiological and Plant Growth Related Traits to Improve Fodder Yield. American-Eurasian J. Agric. & Environ. Sci. 15 (8) 1530-1543
105	Raza MA, Ahmad HM, Akram Z, Ali Q. (2015). Evaluation of wheat genotypes for morphological traits under rainfed conditions. Academ Arena. 7(9)19-26



106	Ramzan I, Sadaqat HA, Shah AM, Ali Q. (2015). Study of trait association for the improvement of achene yield in sunflower: A review. <i>Academ Arena</i> . 7(9) 82-89
107	Naseem Z, Masood SA, Annum N, Arshad S, Khalid MAR, Anam R, Ali Q. (2015). Genetic variability among sunflower (<i>Helianthus annuus</i> L.) accessions for relative growth and seedling traits. <i>Academ Arena</i> . 7(8) 1-579.
108	Awan ZK, Masood SA, Naseem Z, Fazal A, Aslam N, Tahir MHN, Ali Q (2015). Genetic variability and trait association for relative growth rate and green fodder yield in <i>Sorghum bicolor</i> L. <i>IJBPAS</i> . 4(8)5566-5576

Abstract

1.	Asif M; Shahid A A; Ahmad S; Rehman H M; Mujeed R A and Ali M (2015). <i>Ganoderma lucidum</i> as biological control agent against plant pathogenic fungi of <i>Oryza sativa</i> . Proceeding of 5th International/10th National Conference of Pakistan Phytopathological Society "Crop protection for Sustainable Agriculture" November 23-25, 2015, IAGS, PU Lahore.
2.	Majeed R A and Shahid A. A Antifungal potential of essential oils of <i>Cuminum cyminum</i> , <i>Cinnamomum cassia</i> and <i>Syzygium aromaticum</i> against brown spot disease of rice. 5th international/10th national Conference of Phytopathological Society on Crop protection for sustainable agriculture from 23-25 November, 2015. Proc. p:65.
3.	Rao A.Q, Nasir I.A, Rashid B, Shahid A.A, Hassan S, Tabassum B, Latif A, Shahid N, Aa, S, Qamar Z, Farooq A.M, Samiullah T, Tariq M, Hafeez N, Jamal, Khan M.Y, Husnain T. Gene isolation, genetic modification and quality seed production at CEMB. 5th international/10th national Conference of Phytopathological Society on Crop protection for sustainable agriculture from 23-25 November, 2015. Proc. p:197.
4.	Yaqoob A., Shahid A.A., A.Q. Rao, M.A. Khan, K.S. Bajwa, T. Hussain. Determination of bt toxin in soil and its impact on non-target rhizobacteria. 5th international/10th national Conference of Phytopathological Society on Crop protection for sustainable agriculture from 23-25 November, 2015. Proc. p:109.
5.	Iftikhar S., Shahid A.A., K. Nawaz. Isolation and identification of <i>Alternaria alternata</i> causing leaf blight of tomato in Pakistan. 5th international/10th national Conference of Phytopathological Society on Crop protection for sustainable agriculture from 23-25 November, 2015. Proc. p:58.
6.	M. Shafique, M. S. Shahzad, Z. Rahman, A.A. Shahid and T. Husnain (2015) Development of a MiniSTR system for the analysis of highly degraded DNA. Proceedings of international symposium on advances in Molecular Biology of Plants and Health Sciences, December 29-31, p22.
7.	Ijaz B, Gull S, Husnain T (2015). Combinatorial RNAi approach against HCV. Proceedings of international conference on drug development- natural and synthetic. Comsats institute of information technology, Abbottabad Pakistan.



8.	Ahmed F, Ijaz B, Hussain Z, Ahmed Ishtiaq, Mahmood N, Husnain T (2015). Role of Human Interferon alpha2b Gene and Presumptive Drug model against Breast Cancer. Proceedings of International symposium on advances in molecular biology of plants and health published in advancements in life Sciences.
----	--

BOOKS:

Authors Name	Title of Book	Year	Vol. Page #
Bushra Rashid, TayyabHusnain, 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 QayyumRao, TayyabHusnain	Transformation of RNAi Constructs in different cotton varieties	2014	LAP Lambert Academic Publish GmbH & Co. KG
Kamran ShehzadBajwa, Ahmad Ali Shahid and TayyabHusnain	Genetical Impact of Fiber Expansin Genes in Cotton	2014	Scholar Press,ISBN- 13: 978-3-639- 70566-9, ISBN-10: 3639705661, EAN: 9783639705669, Germany

2.4: CONFERENCES, SEMINARS AND WORKSHOPS ETC.:

1. Ms Zarnab Ahmad (Ph.D student) attended, one Day Symposium on Emerging Issues of Multidrug resistance: A threat to the globe held at MMG University of the Punjab, Lahore. October 2nd, 2014.
2. Ms Zarnab Ahmad (Ph.D student) attended, 1st Joint PAP/RCPATH /AMP Conference on Molecular Pathology held at PC Lahore. November 24-26, 2014.
3. Dr. Bushra Ijaz attended and Presented in 2nd International Conference on Drug Development- Natural and Synthetic COMSATS Institute of Information technology, Abbottabad, Pakistan. (August 23-25, 2015)
4. Dr. Bushra Ijaz attended workshop on Next Generation Data Analysis 3-4th September, 2015 at COMSATS Islamabad
5. Dr. Abdual Qayyum Rao delivered a lecture on Paradigm of plant transformation in University of the Central Punjab (UCP) 18 –November 2015.



6. Dr. Ahmad Ali Shahid attended International Conference on Sustainable Environment and Agriculture (ICSEA 2015). October, 11-12, 2015, New York, USA.
7. Dr. Ahmad Ali Shahid attended International Symposium on Advances in Molecular Biology of Plants & Health Sciences, December 29-31, 2015, CEMB, PU, Lahore.
8. Dr. Ahmad Ali Shahid attended One day Seminar on "Capacity Enhancement in Biosafety Evaluation of GM Crops and Launching of ISAAA Report on GM Crops", NIBGE, Faisalabad (May 11, 2015).
9. Dr. Muhammad Shafique attended A seminar on Real Time PCR Results for Real Time Patient management held on 28th October 2015 at CAMB PU, Lahore.
10. Dr. Muhammad Shafique attended A hands-on training of GeneXpert (Real Time PCR System by Cepheid, USA) held on 28th October 2015 at CAMB PU, Lahore.
11. Dr. Muhammad Shafique attended A seminar on application of Real Time PCR for diagnosis of Hepatitis conducted by Chinese delegates on November 12, 2015 at CAMB PU, Lahore.
12. Dr. Ahmad Ali Shahid attended 5th International/10th National Conference of Pakistan Phytopathological Society "Crop protection for Sustainable Agriculture" November 23-25, 2015, IAGS, PU Lahore.
13. Ms Samara Kausar (M. Phil student) Next generation Sequencing Data Analysis Workshop on October 28, 2014 held at COMSATS Institute of information Technology Islamabad.
14. Dr. Nadeem Ahmed attended "Ethical challenges in biomedical research" held at university of Punjab 23rd May, 2015.
15. Dr. Bushra Rashid attended as the Member of the National Curriculum Revision Committee to develop the Curriculum of Molecular Biology at HEC regional centre, Lahore, October 28-30, 2015.
16. Dr. Ahmad Ali Shahid, Ms Zarnab Ahmad and Mr. Muhammad Bilal Sarwar (Ph.D students) attended workshop on an Introduction to Next Generation Sequencing Platforms and its applications in Agricultural Sciences, held at IAGS, PU. April 14, 2015.
17. Ms Zarnab Ahmad (Ph.D student) attended, 3rd National Computational Science conference, held at Institute of Space Technology, Islamabad. May 13-15, 2015.
18. Ms Zarnab Ahmad (Ph.D student) attended, 2nd Workshop on Entrepreneurship and Writing a Winning Business Plan, held at MMG, PU. October 20, 2015.



19. Dr. Tayyab Husnain attended “Plant and Animal Genome Conference-2015” held at San Diego, CA, USA, January 10-14, 2015.
20. Four lectures on repair of skin, cartilage, liver, heart and pancreas by stem cells by Dr Azra Mehmood, Dr Noreen Latief, Dr Gibran Ali, Muhammad Ali and Muhammad Sohail Anjum respectively were delivered at International workshop on Genetic Diseases at Shaheed Zulfiqar Ali Bhutto Medical University, PIMS, Islamabad on 31st March, 2015.
21. Dr. Noreen Latief attended a workshop on Next Generation Analysis at COMSATS Institute of Information technology, Islamabad.

Centre organized the following Conferences/ Seminary and Refreshers Courses at its Premises during 2014-2015.

- Organized Symposium entitled “International Symposium on Advances in Molecular Biology of Plants and Health Sciences” held at CEMB, University of the Punjab Lahore 29-31 December 2015
- Hand on training workshop on Next Generation Sequencing Data analysis held on October 14-16, 2015 at National Centre of Excellence in Molecular Biology, University of the Punjab Lahore.
- International Training Workshop on Microarray for Gene Expression from April, 22-25-2014 held at Centre of Excellence in Molecular Biology (CEMB), Lahore
- Training Workshop on “the development & testing of transgenics for cotton curl leave virus (CLCuV) disease resistance” from March 18-19, 2014.

2.5: RESEARCH JOURNALS:

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

2.6: RESEARCH COLLABORATION:

2.6.1: 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

2.6.2: 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

2.6.3: 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 ZOOLOGY

2.1 R&D-An Overview (5 – 10 lines)

The Department of Zoology, a discipline of natural sciences, meets the need of trained manpower in a vast basic and interdisciplinary framework concerning animal sciences. The Department has earned international recognition for academic excellence and prominence in various fields of research like Cell biology, Molecular Biology, Physiology, Developmental Biology, Entomology, Microbiology, Palaeontology, Parasitology, Environmental Biotechnology, Toxicology, Clinical Endocrinology, Fisheries etc.

Punjab University Fish Research Farm comprises of an area of 5 acres, including nursery ponds, research ponds and production ponds. Now students are working in various areas of fisheries such as fish disease, fish physiology, fish nutrition etc; taking full benefits of this facility created at Quaid-i-Azam Campus, Lahore. Students from other universities also use the facilities of Fish Research Farm for their studies. In addition to teaching and research some fishes are also available for sale to the faculty and staff members of the Punjab University. Approximately 2500-3000kg fish is annually sold to the employees of Punjab University. In near future the Fish Research Farm will be upgraded.

In view of economic importance of honeybee farming, University of the Punjab has embarked upon research and development activities on honeybee from 2004 onwards. Research work is being carried out for improvement in management techniques, quality queen breeding and control of pests and diseases to increase honey yield of colonies. Further infra-structure is being developed for teaching and research facilities. Beekeeping training programmes and workshops for honeybee management have been organized at the campus for dissemination of technical knowledge among students, farmers, extension workers,



officers of alien department and hobbyists. Special emphasis is being given on generating awareness about the crucial factor of bee pollination required for increased productivity of oilseed, vegetable seed, fodder seed crops and fruits in Pakistan.

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

2.2 Projects:

2.2.1 Completed (during 2014-15)

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	Employing chitinolytic bacteria for biological control of termites” Pakistan Science Foundation, Pak-Us Natural Science Linkage Programme (NSLP). Project Proposal No. PSF/NSLP/P-PU (510). 2014-2015	0.9
Prof. Dr. Javed Iqbal Qazi University of the Punjab, Lahore	Isolation of Yeast for Bioethanol from Watermelon, sponsored by University of the Punjab, Lahore (2014-2015).	0.25
Dr. Zafar Iqbal University of the Punjab, Lahore	A Project entitled “Parasitic Diseases of tilapia Fish, Oreochromis sp. Cultured in earthen Ponds The Project in under progress and will be completed soon.	0.2
Dr. Nabila Roohi University of the Punjab, Lahore	Identification of protein biomarkers in newly diagnosed and first degree relatives of breast cancer patients. (PU, Lahore)	0.2
Dr. Abida Butt University of the Punjab, Lahore	Biodiversity of spider fauna in salt range of Pakistan. (WWF)	0.05
Dr. Abida Butt University of the Punjab, Lahore	Biomonitoring of Soan river suing insect as water quality indicator. (WWF)	0.05
Dr. Abida Butt University of the Punjab, Lahore	Toxicity of fresh and aged residues of some insecticides used in cotton on foliage spider, Oxyopes javanus (Araneae: Oxyopidae) (PU, Lahore)	0.2
Dr. Zulfiqar Ali University of the Punjab, Lahore	TNE-British Council (Environmental Health)	0.2



Dr. Zulfiqar Ali University of the Punjab, Lahore	HEC-NHM Project (Establishment of Zoological Museum)	0.2
Dr. Najma Shaheen University of the Punjab, Lahore	Expression and regulation of beta-defensin-2 mRNA in injured lungs from mice. (HEC)	0.50
Dr. Najma Shaheen University of the Punjab, Lahore	Assessment of Cholesterol reduction potential and its mechanism in Lactic Acid producing bacteria isolated from Plants and Animals (PU Lahore)	0.15
Dr. Muhammad Akbar Khan University of the Punjab, Lahore	Progiraffa (Mammalia, Artiodactyla, Giraffidae) from Lower Siwaliks of northern Pakistan (PU Lahore)	0.15
Dr. Abdul Majid Khan University of the Punjab, Lahore	"Studies on the Neogene fossil mammals from the Late Miocene Siwaliks, district Chakwal, Punjab, Pakistan. (PU Lahore)	0.15

2.2.2 Newly launched

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	"Mutagenesis of bacillus subtilis for enhanced production of cellulases"	0.25
Dr. Muhammad Akhtar Dr. Muhammad Akbar Khan Assistant Professor	"Mammalian Fossil Collection from the Potwar Plateau of Pakistan for the fossil Display Research Centre at the Jhelum Campus, University of the Punjab Lahore"	0.15
Dr. Zafar Iqbal Associate Professor	"A Survey of Occurrence of fish diseases in Some Private Fish Farms in the Province of Punjab"	0.20
Dr. Nabila Roohi Associate Professor	"Levels of inflammatory markers and lipid profile in obese young adults"	0.20
Dr. Abida Butt Associate Professor	"Accumulation of heavy metals along soil-plant-arthropods food chain: A field study"	0.20
Dr. Farah Rauf Shakoori Associate Professor	"The role of autophagy related genes (VDR and P2X7) and Cytokine gene (IFN- γ) in host defense against Mycobacterium tuberculosis infection in Pakistani Population"	0.20



Dr. Zulfiqar Ali Associate Professor	“Ambient Air pollution and Lung Capacity Measurements in different working environments”	0.20
Dr. Najma Shaheen Assistant Professor	“Assessment of Cholesterol reduction potential and its mechanism in lactic acid producing bacteria Isolated from plants and animals sources”	0.15
Dr. Nadeem Sheikh Assistant Professor	“Toxicity Caused by Short and Long Term exposure of BPA”	0.15
Dr. Ayesha Aihetasham Assistant Professor	“Responses of coptotermes Heilmi (Washmann) to the leaf extract of Papaya (carica papaya)’	0.15
Dr. Abdul Majid Khan Assistant Professor	“Analysis of the Fossil Equidae from the Upper Siwaliks of the Northern Punjab, Pakistan”	0.15
Dr. Muhammad Akbar Khan Assistant Professor	“Suidae (Mammali) from Dhok Pathan Formation of Potwar Plateau, Pakistan”	0.15
Dr. Muhammad Irfan Assistant Professor	“Utilization of pine needles as potential feedstock for bioethanol production”	0.15

2.3 Publications (2014-15)

Sr. No.	Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.
1.	Prof. Dr. Javed Iqbal Qazi & Khan, M., Bi, Y., Fan, L. and Gao, H.,	Evodiamine sensitizes U87 glioblastoma cells to TRAIL via the death receptor pathway.	Molecular Medicine Reports	11
2.	Prof. Dr. Javed Iqbal Qazi, Hussain, A., Shakir, H.A., and Ali, S.	Growth coefficient and fecundity of Chitala Chitala (Osteoglossiformes: Notopteridae) from the river Ravi, Pakistan	The Journal of Animal and Plant Sciences.	
3.	Shakir, H.A., Qazi, J. I. and Chaudhary, A.S.,	Assessing human health risk of metal accumulations in a wild carp fish from selected sites of a river loaded with municipal and industrial wastes.	International journal of Environmental Research	9(2)
4.	Prof. Dr. Muhammad Naeem	Reviw of the decline of artisanal fisheries along the Arabian Sea coast, Pakistan	American Fisheries Society Symposium (International)	83



5.	James Hutchison, Philine zu Ermgassen, David P. Philipp, Julie E. Claussen, Octavio Aburto-Oropeza, Mauricio Carrasquilla- Henao, Gustavo A. Castellanos-Gallindo, Matthw Costa,	Building an expert-judgment based model of mangrove fisheries value	American Fisheries Society Symposium (International)	83
6.	A.M. Chatta, A.M. Khan, M. Naeem Khan and M. Ayub	A study of growth performance and survival of Indus Golden Mahseer (<i>Tor macrolepis</i>) with Indian major carps in semi-intensive polyculture system	Journal of Animal & Plant Sciences	25
7.	Dr. Asmatullah, Muhammad Zafar and Muhammad Khalil Ahmad Khan	Efficacy of cypermethrin , bifenthrin and azadiractin against crop infesting aphid species of <i>Lipaphis erysimi</i> (Katenbach) and <i>Mhyzus persicae</i> (sulizer) on cauliflower and patato plants	Punjab University Journal of Zool.	30(1)
8.	Dr. Asmatullah, Asma Rashid Khan, Shagufta, Andleeb, Khalida Kausar, Chaman Ara	Testicular toxicity due to Cadmium in allsino mice	Biologia	61(1)
9.	Dr. Asmatullah, Muhammad Zafar and Muhammad Khalil Ahmad Khan	Exposure of vehicular pollution in altering the pulmonary functions in traffic policemen in Multan city	Punjab University Journal of Zool.	30(1)
10.	Dr. Nabila Roohi and Akram, M.	Endocrine Correlates of Polycystic Ovary Syndrome (PCOS) in Pakistani Women.	Journal of College of physicians and Surgeons Pakistan	25(1)
11.	Dr. Muhammad Shafiq Ahmed, Ahmed, K. S., Ali, H, Khan, W. A. and Ollevier, F.	Infectivity and host specificity in various freshwater fish hosts during experimental infection with <i>Trypanosoma danilewskyi</i> strain FCC 1.	<i>The Journal of Animal and Plant Sciences</i>	22 (2)



12.	Dr. Abida Butt, Xaaceph, M.	Functional Response of Oxyopes Javanus (Araneidae: Oxyopidae) to Sogatella furcifera (Hemiptera: Delphacidae) in laboratory and Mesocosm.	Pak. J. Zool.	47
13.	Dr. Abida Butt, Sherawat, S.M., and Tahir. H. M.	Effects of Pesticides on Agrobiont Spiders in Laboratory and Field.	Pak. J. Zool.	47
14.	Dr. Abida Butt, Tahir, H. M., Zafar , K., Mishal, R., Naseem, S., Yaqoob, R., and Arshad, M.	Potential Use of Venom of Odontobuthus odonturus (Arachnida: Buthidae) as Bio- pesticide Against Rhopalosiphum erysimi (Homoptera: Aphididae).	Pak. J. Zool.	47
15.	Sidra Safdar, Zulfiqar Ali, Zaheer Ahmad Nasir, Ian Colbeck	Seasonal variation of fine particulate matter in residential micro- environments of Lahore, Pakistan	Atmospheric Pollution Research	6(5)
16.	Dr. Najma Shaheen, Riffat Iqbal, Muhammad Sharif Mughal, Muhammad nadeem Asghar, Nighat Mir Ahmad, Sumaira Farman, Muhammad Ahmed Saed, Islam Ullah Khan and M. Arshad	Effect of Vitamins C, E and Nigella sativa Seeds on Antioxidant Activity in Fibromyalgia Patients.	Pak. J. Zool.	47(1)
17.	Dr. Najma Shaheen, T Ahmad, S Anjum, M Sohail Afcad, H Raza, N-u-S Sadaf Zaidi, N Arshad.	Molecular confirmation of enterovirus from sewage and drinking water samples from three cities, Pakistan: a potential risk factor for public health Molecular confirmation of enterovirus from sewage and drinking water samples from three cities Pakistan a potential risk factor for public health	Southeast Asian J Trop Med Public Health	46(4)



18.	Dr. Abdul Majid Khan, Anser Mahmood Chatta, Muhammad Naeem Khan and Muhammad Ayub	Growth performance of Indus golden mahseer (<i>Tor macrolepis</i>) in polyculture with native major carps of Pakistan	<i>The Journal of Animal and Plant Sciences</i>	25(2)
19.	Dr. Muhammad Akbar Khan, batool, A., Qureshi, N.A.,	New fossils of Suidae (mammalian: Artiodactyla) from the Hasnot Late Miocene, northern Pakistan.	<i>Journal of Animal and Plant Sciences</i>	25(2)
20.	Dr. Muhammad Akbar Khan, mahmood, K., Siddiq, M.K., Babar, M.A. and Athkar, M.	New fossils of Giraffokeryx (mammalian: Cetartiodactyla: Giraffidae) from Chinji Formation, Pakistan	<i>Pakistan J. Zool.</i>	47(2)
21.	Dr. Muhammad Akbar Khan, Ghaffar, A., Akhtar, M., & Siddiq, M.K.,	New fissile mains of family Cervidae from the Dhok Pathan Formation (Middle Siwalkis) of Pakistan.	<i>Geosciences Journal</i>	DOI 10.1007/s12303-
22.	Shakir, H.A., Qazi, J. I. and Chaudhary, A.S.,	Assessing human health risk of metal accumulations in a wild carp fish from selected sites of a river loaded with municipal and industrial wastes.	International journal of Environmental Research	9(2)
23.	Hussain, A., Shakir, H.A., Ali, S. and Qazi, J.I.,	Growth coefficient and fecundity of <i>Chitala Chitala</i> (Osteoglossiformes: Notopteridae) from the river Ravi, Pakistan	The Journal of Animal and Plant Sciences.	25(2)
24.	Batool, N., Shakir, H.A. and Qazi, J.I.,	Comparative growth potential of different <i>Bacillus</i> species on fruit peels.	Punjab University. J. Zool.	30(1)
25.	Anjum, A., Manzoor, M., Manzoor, N. and Shakir, H.A	Prevalence of anemia during pregnancy in district Faisalabad, Pakistan	Punjab University J. Zool.	30(1)
26.	Shakir, H.A., Qazi, J.I. and Chaudhry, A.S.,	Metal bioaccumulation levels in different organs of three edible fish species from the river Ravi, Pakistan	International Journal of Aquatic Biology	3(3)



27.	Hassain, A., Shakir, H.A., Ali, S. and Qazi J.I.	Growth coefficient and fecundity of <i>Chitala Chitala</i> (osteoglossiformes: Notopteridae) from the river Ravi, Pakistan	The Journal of Animal & Plant Sciences	25(2)
28.	Bano, A.s. and Qazi J.I.	Stability of biocorrosion protecting exoproducts of bacillus thuringiensis-SN8	International Journal of Research – RANTHAALAYAH (IJRG)	B0989
29.	Manzoor, M., Tabssum, F., Javaid, H. and Qazi J.I.	Lucrative future of microalgal biofuels in Pakistan: a review.	International journal of Energy and Environmental Engineering.	Doi: 10.1007/s40095-015-0186-9
30.	Hussain, A., Ashraf, M., Altaf, M., Khan, W.A., Akmal, M. and Qazi, J.I.	Relative diversity and threats to commercially important fishes of the Ravi, Pakistan	Biologia (Pakistan)	61(1)
31.	Shakir, H.A., Qazi, J.I. and Chaudhry, A.S.,	Metal bioaccumulation levels in different organs of three edible fish species from the river Ravi, Pakistan	International Journal of Aquatic Biology	3(3)
32.	Shakir, H.A., Mehmood, R. and Qazi, J.I.,	Optimization of cellulolytic potential of bacteria isolated from gut contents of Catla catla captured from river Ravi	Biologia	61(1)
33.	Dr. Muhammad Shafiq Ahmad, H.Ali, U. Akram, s. Abbas, F.M. Qamer, B.Khan, M.N. Awan, Z.Ali, A.A Chaudhry, A. Saghir and M.Nagai.	Predicting the potential habitat and distribution of Western (Tragopan melanocephalus) in selected areas of AJ&K, Pakistan: A maxent modeling approach.	The Journal of Animal and Plant Sciences	25(3)
34.	Dr. Muhammad Shafiq Ahmad, I.Zainab, Z. Ali, Z.Zona, S. T. Raza, S. Safdar, Z.A. Nasir, Colbck and W. Liu.	Monitoring of particulate matter concentrations at high altitude ecosystems of Pakistan and China	The Journal of Animal and Plant Sciences	25(3)



35.	Dr. Muhammad Shafiq Ahmad, Waseem Ahmad Khan and Masood Arshad	Distribution and Status of Punjab Urial (<i>Ovis vignei punjabiensis</i>) in Soan Valley, Salt Range, Punjab, Pakistan	The Journal of Animal and Plant Sciences	25(3)
36.	Dr. Zafar Iqbal, Noreen, H.	Fungal infection in an imported Ornamental fish fantail (<i>carassius auratus</i> L)	Biologia (Pakistan)	61(1)
37.	Dr. Nabila Roohi, Muhammad Anwar Iqbal, M. Akram and Omaina Khan	Egg Quality and Egg Geometry Influenced by Mamman-Oligosaccharides (MOS), a Prebiotic Supplementation in Four Closebred Flocks of Japanese Quail Breeders (<i>Coturnix coturnix japonica</i>)	Pakistan Journal of Zoology	47 (3)
38.	Dr. Nabila Roohi, M.A. Khan and M.A.A. Rana	Strongylosis in Equines: A Review.	The Journal of Animal and Plant Sciences	25(1)
39.	Dr. Abida Butt, H.M. Tahir, Mehwish, N. Kanwal, A. Butt S. Y. Kan and A. Yaqub	Genetic diversity in cytochrome c oxidase I gene of <i>anopheles</i> mosquitoes	Mitochondrial DNA	1(4)
40.	Dr. Farah R. S., Mamina Shokat, Faiza Saleem and Tanzeela Riaz	Screening, optimization and characterization of xylanase by locally isolated bacteria	Punjab University Journal of Zoology	30 (2)
41.	Safdar Sidra, Zulfiqar Ali , Sikander Sultan, Shakil Ahmed, Ian Colbeck, Zaheer Ahmad Nasir:	Assessment of Airborne Microflora in the Indoor Micro-Environments of Residential Houses of Lahore, Pakistan.	Aerosol and Air Quality Research	
42.	S. Shahzad, M.Y. Tipu, A. Aslam, T. Hussain, Z. Ali , S.Y. Shelly, Ziaullah, M.B. Saleem, A. Yaqub, S.S Ahmad:	Comparative Hemato-Biochemical Study on Theileriosis in Naturally Infected Punjab Urial (<i>Ovis vignei punjabiensis</i>) and Domestic Sheep (<i>Ovis aries</i>) in Pakistan.	Journal of Animal and Plant Sciences	25(3)
43.	S. T. Raza, Z. Ali , I. Zainab, S. Sidra, A. Nimra, Z. Zona, K. Aziz:	Soil and water analysis for micro-nutrients in wetland's associated grassland ecosystems.	Journal of Animal and Plant Sciences	25(4)



44.	Safdar Sidra, Zulfiqar Ali , Sikander Sultan, Shakil Ahmad, Zaheer Ahmad Nasir, Ian Colbeck:	Microbial dynamics during various activities in residential areas of lahore, pakistan.	Journal of Animal and Plant Sciences	25(3)
45.	Zaheer Ahmad Nasir, Ian Colbeck, Zulfiqar Ali , Shakil Ahmed:	Heavy metal composition of particulate matter in rural and urban residential built environments in pakistan.	Journal of Animal and Plant Sciences	25(3)
46.	Zulfiqar Ali , Kiran Shahzadi, Safdar Sidra, Zaidi Zona, Irfan Zainab, Khadija Aziz, Mubashir Ahmad, Syed Turab Raza, Zaheer Ahmad Nasir, Ian Colbeck:	Seasonal variation of particulate matter in the ambient conditions of khanspur, pakistan.	Journal of Animal and Plant Sciences	25(3)
47.	Irfan Zainab, Zulfiqar Ali , Muhammad Shafiq Ahmad, Zaidi Zona, Syed Turab Raza, Safdar Sidra, Zaheer Ahmad Nasir, Ian Colbeck,	Monitoring of particulate matter concentrations at high altitude ecosystems of pakistan and china.	Journal of Animal and Plant Sciences	25(3)
48.	Zaheer Ahmad Nasir, Ian Colbeck, Zulfiqar Ali , Shakil Ahmed:	Automotive related exposure to particulate air pollution in developing countries cities.	Journal of Animal and Plant Sciences	25(3)
49.	Zaheer Ahmad Nasir, Ian Colbeck, Zulfiqar Ali , Shakil Ahmed:	Ultra fine particles in rural and urban dwellings with different household fuel use in developing countries – an example from Pakistan.	Journal of Animal and Plant Sciences	25(3)
50.	Moneeza Abbas, Sadia Razzaq, RabiaShahzadi, Atiq-ur-Rahman, Farkhanda Manzoor, Zulfiqar Ali :	Determination of indoor and outdoor air quality under different ventilation conditions in a residential area of Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
51.	Zulfiqar Ali , Farhat Naz, Zaheer Ahmad Nasir, Safdar Sidra, Ian Colbeck:	Particulate pollution in urban residential built environments during winter and summer seasons in Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)



52.	Syedah Andleeb, Zulfiqar Ali , Faiza Afzal, Ayesha Abdul Razzaq, Tahir Mehmood, Nausheen Noor, Farzana Rasheed, Zaheer Ahmad Nasir, Ian Colbeck:	Exposure to NO ₂ in occupational built environments in urban centre in Lahore.	Journal of Animal and Plant Sciences	25(3)
53.	Afzal Nimra, Zulfiqar Ali , Muhammad Naeem Khan, Tanzila Gulshan, S. Sidra, Javed Raza Gardezi, Maryam Riaz Tarar, Muhammad Saleem, Zaheer Ahmad Nasir, Ian Colbeck:	Comparative ambient and indoor particulate matter analysis of operation theatres of government and private (trust) hospitals of Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
54.	Aayza Nemat, Zulfiqar Ali , Sana Ahmad, Syeda Khadija Sikander, Zahra Hussain:	Study of disease records of zoo animals in Lahore zoo, Pakistan.	Journal of Animal and Plant Sciences	25(3)
55.	Bushra Nisar Khan, Zulfiqar Ali , Roheela Yasmeen, Fahmeeda Bibi, Ziaullah, Nasir Mehboob:	Trypanosoma infestations in royal bengal tiger (panthera tigris tigris) at Lahore zoological gardens and its therapy.	Journal of Animal and Plant Sciences	25(3)
56.	Zulfiqar Ali , Ian Colbeck, Luiza Cintra Campos, Zaheer Ahmad Nasir, Muhammad Ali, Nishat Riaz	: Environmental health and wildlife research with transnational education forebodings, applicability and approach recommendations of the conference "wildlife and aerobiology" wildlife and biodiversity issues.	Journal of Animal and Plant Sciences	25(3)
57.	Faiz-ur-Rahman, Farzana Perveen, Tabinda Rauf, Mohammad Salim, Zulfiqar Ali , Sajjad Khan, Zul Kamal:	Habitat analysis of scotophilus heathii horsfield, 1831 in northwestern parts of pakistan.	Journal of Animal and Plant Sciences	25(3)



58.	Annum Saeed, Moneeza Abbas, Farkhanda Manzoor, Zulfiqar Ali:	Assessment of fine particulate matter and gaseous emissions in urban and rural kitchens using different fuels.	Journal of Animal and Plant Sciences	25(3)
59.	Tanzila Gulshan, Zulfiqar Ali , Zaidi Zona, Bushra Ansari, Mubashir Ahmad, Irfan Zainab, Zaheer Ahmad Nasir, Ian Colbeck:	State of air quality in and outside of hospital wards in urban centres – A case study in Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
60.	Khadija Aziz, Zulfiqar Ali , Zaheer Ahmad Nasir, Ian Colbeck:	Comparative study of particulate matter in the transport microenvironment (buses) of Pakistan and UK.	Journal of Animal and Plant Sciences	25(3)
61.	Sana Ahmad, Zulfiqar Ali , ZayzaNemat, Syeda Khadija Sikander, Zahra Hussein, Kiran Saleem:	The study of public perception for captive animals at Lahore zoo, Pakistan.	Journal of Animal and Plant Sciences	25(3)
62.	Sammuel Shahzad, Muhammad Yasin Tipu, Asim Aslam, Tanveer Hussain, Zulfiqar Ali , SaimaYaqub Shelly, Ziaullah, Muhammad Babar Saleem, Atif Yaqoob, Syed Saleem Ahmad:	Comparative hemato-biochemical study on theileriosis in naturally infected punjab urial (ovis vignei punjabiensis) and domestic sheep (ovisaries) in Pakistan.	Journal of Animal and Plant Sciences	25(3)
63.	Tahir Mehmood, Zulfiqar Ali, Nausheen Noor, S. Sidra, Zaheer Ahmad Nasir, Ian Colbeck:	Measurement of no2 indoor and outdoor concentrations in selected public schools of Lahore using passive sampler.	Journal of Animal and Plant Sciences	25(3)
64.	Humaira Amanat, Zulfiqar Ali , S. Sidra, Zaheer Ahmad Nasir, Ian Colbeck:	Pm2.5 arising from different cooking fuels in rural residential houses.	Journal of Animal and Plant Sciences	25(3)



65.	Zulfiqar Ali , Abdul Rauf, Safdar Sidra, Zaheer Ahmad Nasir, Ian Colbeck:	Air quality (particulate matter) at heavy traffic sites in Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
66.	Muhammad Altaf, Arshad Javid, Abdul Majid Khan, Ali Hussain, Muhammad Umair, Zulfiqar Ali :	The status of fish diversity of river chenab, Pakistan. Journal of animal and plant sciences 01/2015; 25(3):564-569.	Journal of Animal and Plant Sciences	25(3)
67.	Zahra Hussain, Zulfiqar Ali , Aayza Nemat, Sana Ahmad, Syeda Khadija Sikander, Kiran Saleem:	Enclosure size of animals of Lahore zoological garden in comparison of international norms.	Journal of Animal and Plant Sciences	25(3)
68.	Faiz-Ur-Rahman, Farzana Perveen, Tabinda Rauf, Mohammad Salim, Zulfiqar Ali , M. N. K. Khattak:	Mormophometric characters and distribution of bat (mammalia: chiroptera) fauna in northwestern Pakistan.	Journal of Animal and Plant Sciences	25(3)
69.	Khadija Aziz, Zulfiqar Ali , Zaheer Ahmad Nasir, Ian Colbeck:	Assessment of airborne particulate matter (PM _{2.5}) in university classrooms of varying occupancy.	Journal of Animal and Plant Sciences	25(3)
70.	Zaidi Zona, Zulfiqar Ali , Safdar Sidra, Nimra Afzal, Mubashir Ahmad, Khadija Aziz, Zainab Irfan, Quratulain, Bushra Ansari, Syed Turab Raza, Zaheer Ahmad Nair, Ian Colbeck:	changes in particulate matter concentrations at different altitudinal levels with environmental dynamics.	Journal of Animal and Plant Sciences	25(3)
71.	Muhammad Sultan Haider, Muhammad Ashraf, Hamda Azmat, Anjum Khalique, Arshad Javid, Ghulam Mustafa, Sana Ashraf, Irfan, Muhammad Altaf, Zulfiqar Ali , Fouzia Bashir:	Nutritional efficacy of acid fish silage in labeo rohita at grow out stage.	Journal of Animal and Plant Sciences	25(3)



72.	Syeda Khadija Sikander, Zulfiqar Ali , AayzaNemat, Sana Ahmad, Zahra Hussain, Kiran Saleem, Muhammad Naeem Khan:	Diet provision for zoo animals in captive conditions of Lahore zoo, Pakistan.	Journal of Animal and Plant Sciences	25(3)
73.	Faiz-ur-Rahman, Farzana Perveen, Tabinda Rauf, Mohammad Salim, Sajjad Khan, Hamid Ullah, Anwar Ullah, Zul Kamal, Zulfiqar Ali :	Occurrence of rhinopoma microphyllum (brunnich, 1782) in khyber pakhtoonkhawa, Pakistan.	Journal of Animal and Plant Sciences	25(3)
74.	Abul Hassan Faiz, Fakhar-I-Abbas, Zulfiqar Ali , S. Nadeem, M. Mushtaq, L. Zahra, L. Safder:	Small mammals' diversity of selected villages of pothwar (punjab), pakistan.	Journal of Animal and Plant Sciences	25(3)
75.	Abul Hassan Faiz, Fakhar-I-Abbas, Zulfiqar Ali , L. Zahra:	Avifaunal diversity of tolipir national park azad Jammu and Kashmir Pakistan.		25(3)
76.	Faiz-ur-Rahman, Farzana Perveen, Tabinda Rauf, Mohammad Salim, Zulfiqar Ali , Sajjad Khan, M. Shehr Yar, Noor Islam Khan:	Habitat preferences and roost site selection of rhinopoma hardwickii gray, 1831 in northwestern, Pakistan.	Journal of Animal and Plant Sciences	25(3)
77.	Z Ali , F Naz, Z A Nasir, S Sidra, I Colbeck:	Particulate pollution in urban residential built environments during winter and summer seasons in Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
78.	Zulfiqar Ali , SaimaYaqub Shelly, Fehmeeda Bibi, Zaheer Ahmad Nasir, Ian Colbeck, James R. A. Butler:	Prospects for alleviating poverty and protecting the taunsa barrage wildlife sanctuary, indus river, Pakistan, through cultural and eco-tourism.	Journal of Animal and Plant Sciences	25(3)



79.	Bushra Nisar Khan, Zulfiqar Ali:	Assessment of birds' fauna, occurrence status, diversity indices and ecological threats at Mangla dam, AJK from 2011 to 2014.	Journal of Animal and Plant Sciences	25(3)
80.	Fakhar-I-Abbas Abul Hassan Faiz, Zulfiqar Ali , Laraib Zahra:	Community structure and diversity of butterflies in tolipir national park, Azad Jammu and Kashmir (AJK) Pakistan.	Journal of Animal and Plant Sciences	25(3)
81.	B N Khan, Z Ali:	Socio-ecological assessment and local community perception towards wildlife conservation around Mangla dam, Ajk.	Journal of Animal and Plant Sciences	25(3)
82.	Muhammad Saad, Maqsood Anwar, Muhammad Wasim, Mohammad Salim, Zulfiqar Ali:	Distribution range and population status of indian grey wolf (<i>canis lupus pallipes</i>) and asiatic jackal (<i>canis aureus</i>) in lehri nature park, district Jhelum, Pakistan.	Journal of Animal and Plant Sciences	25(3)
83.	Hassan Raza, Shahid Mehmood, Bushra Nisar Khan, Fehmeeda Bibi, Zulfiqar Ali:	Avian diversity of Lahore zoo safari in winter season Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)
84.	Sana Ashraf, Arshad Javid, Muhammad Ashraf, Muhammad Akram, Muhammad Altaf, Irfan, Hamda Azmat, G. Jabeen, Zulfiqar Ali:	Studies on parasitic prevalence in ring necked pheasants (<i>phasianus colchicus</i>) in captivity.	Journal of Animal and Plant Sciences	25(3)
85.	Zulfiqar Ali , Gulshan Zahra, Hassan Ali, BushraNisar Khan, FehmeedaBibi, Abdul Majid Khan:	Prevalence of dengue fever during 2011 -2012 in Punjab.	Journal of Animal and Plant Sciences	25(3)
86.	Zulfiqar Ali , Saima Yaqub Shelly, Fehmeeda Bibi, Syed Saleem Ahmad:	Ornitho-fauna of city and ravi campuses of University of Veterinary and Animal Sciences, Lahore-Pakistan.	Journal of Animal and Plant Sciences	25(3)



87.	Muhammad Altaf, Arshad Javid, Abdul Majid Khan, Muhammad Umair, Irfan, Sana Ashraf, Muhammad Idnan, Muhammad Sultan Haider, Zulfiqar Ali:	Assessment of water fowl diversity of river Chenab, Pakistan.	Journal of Animal and Plant Sciences	25(3)
88.	Saima Yaqoob Shelly, Zulfiqar Ali , Fahmeeda Bibi, Zaheer Ahmad Nasir, Ian Colbeck, James R. A. Butler:	Resilience of local communities to climate change around a Ramsar site in Pakistan.	Journal of Animal and Plant Sciences	25(3)
89.	Fahmeeda Bibi, Shafqat Nawaz Qaisrani, Atif Nisar Ahmad, Masood Akhtar, Bushra Nisar Khan, Zulfiqar Ali:	Occurrence of salmonella in freshwater fishes: a review.	Journal of Animal and Plant Sciences	25(3)
90.	Z Ali , W Liu, W Xiaodan, I Zainab, Z Zona, S T Raza, H Ali, Andr Saleem:	Glacier receding and ecological thresholds for Tibetan plateau and associated cryosphere.	Journal of Animal and Plant Sciences	25(3)
91.	F. U. Rahman, F. Perveen, T. Rauf, M. Salim, Z. Ali , M. N. K. Khattak:	Morphometric characters and distribution of bat (Mammalia: Chiroptera) fauna in northwestern Pakistan.	Journal of Animal and Plant Sciences	25(3)
92.	H. Ali, U. Akram, S. Abbas, M. S. Ahmed, F. M. Qamer, B. Khan, M. N. Awan, Z. Ali , A. A. Chaudhry, A. Saghir, M. Nagai:	Predicting the potential habitat and distribution of western tragopan (tragopan melanocephalus) in selected areas of AJ&K, Pakistan: A MaxEnt modeling approach.	Journal of Animal and Plant Sciences	25(3)
93.	Zaheer Ahmad Nasir, Ian Colbeck:	A Atmospheric Pollution Research Seasonal variation of fine particulate matter in residential micro-environments of Lahore, Pakistan.	Journal of Animal and Plant Sciences	25(3)



94.	S. Shahzad, M.Y. Tipu, A. Aslam, T. Hussain, Z. Ali , S.Y. Shelly, Ziaullah, M.B. Saleem, A. Yaqub, S.S Ahmad:	Comparative Hemato-Biochemical Study on Theileriosis in Naturally Infected Punjab Urial (<i>Ovis vignei punjabiensis</i>) and Domestic Sheep (<i>Ovis aries</i>) in Pakistan.	Journal of Animal and Plant Sciences	25(3)
95.	S. T. Raza, Z. Ali , I. Zainab, S. Sidra, A. Nimra, Z. Zona, K. Aziz:	Soil and water analysis for micro-nutrients in wetland's associated grassland ecosystems.	Journal of Animal and Plant Sciences	25(4)
96.	Safdar Sidra, Zulfiqar Ali , Sikander Sultan, Shakil Ahmad, Zaheer Ahmad Nasir, Ian Colbeck:	Microbial Dynamics During Various Activities In Residential Areas Of Lahore, Pakistan	Journal of Animal and Plant Sciences	25(3)
97.	Dr. Najma Arshad, Tahir Ahmad, Sadia AnjumNajam-us-Sahar, Sadaf Zaidi, Amjad Ali M. Waqas, M. Sohail	Frequency of hepatitis E and Hepatitis A virus in water sample collected from Faisalabad, Pakistan	Annals of Agricultural and Environmental Medicine	22(4)
98.	Dr. Najma Arshad, Syed Kashif Nawas, Bisma Ahmed, Asima Rani,Hamadia Rasool Muhammad Arshad	Role of S180L polymorphism in etiology of malaria. Caused by Plasmodium falciparum in a small groupof Pakistani population	Bosnian Journal of Basic Medical Sciences	413
99.	Khawar B., Abbasi M. H.and Sheikh N.	A panoramic spectrum of complex interplay between the immune system and IL-32 during pathogenesis of various systemic infections and inflammation	European Journal of Medical Research	
100.	Abbasi M.H., Khawar B., Mehmood R., Akhtar T and Sheikh n.	Changes in Proteins, Transaminases Activity and Leucocyte count during Nerium oleander Induced Toxicosis in Wistar Rates	Biologia (Pakistan)	61(1)



101.	Abbas A.S., Sheikh N., Manzoor F.	Effects of <i>Nigella sativa</i> Seeds and <i>Plantago ovate</i> husk on Fat Rish Diet Induced Inflammatory Responses in <i>Rattus Norvegicus</i>	Biologia (Pakistan)	61(2)
102.	Mehmood R. and Nadeem Sheikh .	Effect of Metal Dust on Workers of Cuterly Industry in Wazirabad, Pakistan	Biologia (Pakistan)	61(2)
103.	Aihetasham, A., Qayyum, f.and Eaaceph, M.,	Pathogenicity of <i>Aspergillus</i> <i>parasiticus</i> against <i>coptotermes heimi</i> (Wasmann).	Punjab University Journal of Zoo	30(2)
104.	Aihetasham, A., Umer M., Akhtar MS, Din MI, Rasib, KZ., Qayyum, f.and Eaaceph, M.,	Bioactivity of medicinal Plants <i>menthe arvensis</i> and <i>Peganum</i> <i>harmala</i> Extracts agains <i>heterotermes indicola</i> (Wasmann) (soptera)	International journal Bioscience	7(5)
105.	Iqbal, A., Khan, A. M., Akhar, M.	<i>Kobus Porrecicornis</i> (Reduncini) from the Uper Siwaliks of Tatrot, Pakistan	The Journal of Animal and Plant Sciences	25(3)
106.	Roohi, G., Raza, S. M., Khan, A. M., Ahmad, R. M and Akhtar M	Enamel Hypoplasia in Siwalik rhinocrotids and its correlation with Neogene climate	Pakistan Journal of Zoology	47(5)
107.	Ali, Z., Zahra, G., Khan, B.N., Ali, H., Bibi, F. and Khan, A.M.,	Prevalence of Dengue fever during 2011-2012 in Punjab	The Journal of Animal and Plant Sciences	25(3)
108.	Altaf, M., Javid, A., Khan, A. M., Umair, M., Irfan, S., Ashraf, S., Idnan, M., haider, M. S. and Ali, Z.,	Assessment of water fowl diversity of river Chenab, Pakistan	The Journal of Animal and Plant Sciences	25(3)
109.	Aslam, S., Khan, A. M., Akhtar, M	New collection of <i>Conohyus</i> <i>sindiensis</i> , a Middle Miocene suid, from Chakwal, Pakistan	The Journal of Animal and Plant Sciences	25(3)
110.	Chatta, A.M., Ahmad, Z., hayat, S., Naqvi, S.A. and Khan, A. M.,	Studies on survival of endangered Indus Golden Mahseer <i>Tor macrolepis</i> and its impact on growth of other carps.	The Journal of Animal and Plant Sciences	25(3)



111.	Altaf, M., javid, A., Khan, A.M., Hussain, A., Umair, M., and Ali, Z.,	The status of fish diversity of river Chenab, Pakistan	The Journal of Animal and Plant Sciences	25(3)
112.	Aftab, K., Ahmad, Z., Khan, M.A., Akhtar, M.,	Additional Giraffokeryx Remains (Artiodactyla: Ruminantia: Giraffidae) from the Chinji Formation of Lower Siwaliks, Northern Pakistan.	Pakistan J. Zoology	47(5)
113.	Akbar Khan, M., Aziz, H., Gul, S., Babar, M.A., Mahmood, K. & Akhtar, M.,	New Hipparionine (Equidae) remains from Dhok Pathan Formation of Siwaliks, Pakistan	Pakistan J. Zoology	47(6)
114.	Aslam, S., Iqbal, A., Khan, A.M., Akbar Khan, M., Mahmood, K. & Akhtar, M.,	New Fossil remains of Stegodon bombifrons (proboscideans) from the Pinjor Stage Soan Formation of Pakistan.	Biologia (Pakistan)	61(1)
115.	Chaman Ara, Asmatullah, Shagufta Andleeb, Maha Tahir, Asma Rashid Khan, M. Khalid Ahmad	Cadmium induced teratogenic effects in developing Mus musculus	Pakistan journal of Zoology	48(1)
116.	Shakir, H.A., Qazi, J.I. and Chaudhry, A.S.,	Metal bioaccumulation levels in different organs of three edible fish species from the river Ravi, Pakistan	International Journal of Aquatic Biology	3(3)
117.	Shakir, H.A., Mahmood, R. and Qazi, J.I.,	Optimization of cellulolytic potential of bacteria isolated from gut contents of Catla catla captured from river Ravi	Biologia	61(1)

BOOKS PUBLISHED BY THE FACULTY MEMBERS
For the period from 1st January, 2015 to 31st July, 2015

Sr. No.	Name of Faculty Member	Department	Faculty	Title of Book	Year of publication	Name of publisher
1	Prof. Dr. Muhammad Naeem Khan & Ansar Mahmood	Zoology	Faculty of Life Sciences	Chapter: Introduction to Aquaculture	2015	Aquaculture Handbook: Fish Farming and nutrition



	Chatta			in Pakistan		in Pakistan American Soybean Association (ASA),
2	Prof. Dr. Javed Iqbal Qazi	Zoology	Life Sciences	Modern Biotechnology	2015	Urdu Science Board Min

2.4 Conferences, Seminars and Workshops, etc.

Prof. Dr. Javed Iqbal Qazi

- Participated in the Indigenous on-campus Training Program for Management Team at University of the Punjab, Lahore-Pakistan, on February 10, 2015.
- Participated in the International Conference on Relativistic Astrophysics at Department of Mathematics, University of the Punjab, Lahore-Pakistan, on February 10, 2015.
- Participated and attended the annual Aerosol Society. The Science of Airborne Particles Conference at University of Birmingham, U.K. 12th November 2015.
- Acted as expert for nomination of subject specialist for conducting interviews for recruitment to the posts of lecturers (Male) (BS-17), Directorate of Federal Government Education Institutions (Cantts/Garissions, Ministry of Defence), vide officer order No. D/1951/Est-I, dated 26-05-2015.
- Acted as expert of provision of subject specialists for conducting interviews for recruitment to the twenty four posts of lecturers (Female) (BS-17), Federal Government Colleges for Women, Federal Directorate of Education, Islamabad, Capital Administration and Development Division, vide office order No. D/4206/Est.I.
- Participated in 40th Meeting of the board of Governors of the National Centre of Excellence in Molecular Biology, University of the Punjab, vide officer order CEMB?BOG-40/2015, dated 22-10-2015.
- Member for the national technology council, Higher Education Commission, Islamabad, vide office order No. D/4958/Est.I, dated 04-12-2015.
- Participated in 124th Convocation Reception Committee, University of the Punjab, Lahore. Vide officer order No. D/771/R, dated 03-11-2015.
- Chairman, Grant of Annual/ Advanced and Performance Based Increments to the Faculty Members working under TTS at this University. Vide officer order No. D/1184/Est.I, dated 06-04-2015.
- Chairman, Meeting of Centre for Applied Molecular Biology (CAMB) and Centre of Excellence in Molecular Biology to look after the affairs of labs/Hostels and infrastructure for best utilization for CAMB, Vide officer order No. D/3496/ Dean Life Sc. Dated 09-10-2015.



- Convener, Departmental Scholarship & Financial Assistance Committee (DS&FAC), Department of Zoology, University of the Punjab, Lahore, w.e.f 15-09-2015, vide officer order No. D865/R, dated 30-11-2015.
- Participated in Meeting of Qualification Equivalence Determination Committee (QEDC) of Higher Education Department. Vide officer order No. SO(Univ.)10-1/2015, dated 25-08-2015.
- 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.

Dr. Muhammad Shafiq Ahmed

- International Fisheries Symposium held at Pearl Continental Hotel Lahore on 24-25 February, 2015. Abstracts Book pp 26-27, IFS-2015-B-2 and IFS-2015-B-3.
- National Workshop on Environmental Assessment Procedures, Modalities and Reporting, organized by The Environ and National Foundation for Environmental Education and Research at Ambassador Hotel, Lahore on 6th December 2014.
- National Conference on Climate Change: Implications and Management System, Organized by “The Environ Monitor”, on 21 February, 2015.
- One day seminar on Biodiversity offsetting for Reservoir Fisheries at Biodiversity Hatchery, Chashma Barrage, Organized by Department of Fisheries, Govt. of the Punjab, Lahore on 16th March 2015.
- One day Seminar on Surveillance & Control of Dengue Vectors, organized by Department of Zoology, at Al-Razi Hall, University of the Punjab, Lahore on April 8, 2015.
- One day seminar on World Fisheries Day under HEC-BC KEP Project organized by Virtual University, Lahore on 25th November 2015.

Dr. Zafar Iqbal

- Participated in 35th Pakistan Congress of Zoology (International) 1-4 March 2015 University of Karachi
- Participated in 5th International Fisheries Symposium. 24-25th February 2015 Lahore



Dr. Najma Shaheen

- 10th Biannual conference of Pakistan Society of Microbiology. Exploring microbes for future endowers. Jan. 28-31, 2015
- Prevalence of resistant strains of *S. aureus* in throat samples is more frequent in healthy Nigerian students than local inhabitants of Lahore, Pakistan (Poster Presentation) 2015
- Comparison of antioxidant activity of different strains of *Lactobacillus brevis*. (Poster Presentation) 2015
- Probiotic and cholesterol reducing activity of *Lactobacillus brevis* and *Enterococci* spp. (Poster Presentation) 2015

Dr. Abdul Majid Khan

- Conference and workshop on “techniques for biodiversity assessment and aerobiological monitoring for ecosystem health” at department of Zoology, University of the Punjab, Lahore 6-7 February 2015
- 35th Pakistan Congress of Zoology, (International) Karachi, Poster Presentation entitled “Morphological and molecular confirmation of new wolf species (*Canis himalayensis*) in Pakistan” March 1-4, 2015
- 2nd national Seminar on Palaeontology held at GCU Faisalabad and Delivered a lecture on “History of life: Geological time Scale and the Fossil Record” 3-4 December 2015
- Participated in 5th International symposium held at PC hotel Lahore 24-25 February 2015

Dr. Muhammad Akbar Khan

- Key speaker ‘Two days 2nd National Palaeontology Seminar’ GC University Faisalabad. Topic Siwaliks from where we collect fossils in Pakistan 3-4 December 2015.
- Hippopotamus (Mammalia, Hippopotamidae) from the Pinjor Formation Bhimber, Azad Kashmir, Pakistan “Pakistan Congress of Zoology”, 35 KU, Karachi 1-4 March 2015
- 11th National Beekeeping Training Workshop, Zoology Department, University of the Punjab, Lahore 9-13 March 2015.

2.5 Research Journals

Prof. Dr. Javed Iqbal Qazi

- Editor, Punjab University Journal of Zoology
- Member, Advisory Board, Pakistan Journal of Zoology.
- Member, Editorial Board, Pakistan Journal of Molecular Medicine

Dr. Zafar Iqbal

- Associate Editor, Punjab University Journal of Zoology



2.6 Research Collaboration

2.6.1 Indigenous

Prof. Dr. Javed Iqbal Qazi

- PCSIR Laboratories Lahore
- Punjab Fisheries and Wild Life Department Lahore

Dr. Zafar Iqbal

- Collaboration with School of Biological Sciences University of the Punjab Lahore.
- Collaboration with Government College University Lahore.

Dr. Nabila Roohi

- Collaboration with School of Biological Sciences University of the Punjab Lahore.
- Collaboration with Government College University Lahore.

Dr. Zulfiqar Ali

- Collaboration with Microbiology and Molecular Genetics PU Lahore
- Institute of Chemistry Lahore
- Lahore Zoo

Dr. Abdul Majid Khan

- Bio-resource Research Centre Islamabad
- Punjab Fisheries Department Lahore

2.6.2 Foreign Linkages

Dr. Najma Shaheen

- Dr Muhammad Iqbal, Director Foot and Mouth Research Centre, Ghazi Road, Lahore

Dr. Nadeem Sheikh

- Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.

2.6.3 Funding grants for R&D

Dr. Nadeem Sheikh

- **Local Coordinator in Pakistan for EXPERTS II, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany**
- Local Coordinator in Pakistan for EXPERTS III, Exchange academic visitors fellowship by Exchange by Promoting Quality Education, Research and Training in South and South-East Asia) the Georg-August University, Goettingen, Germany.

**DEPARTMENT OF BOTANY**○ **Research and Development 2014-15** an overview (5 – 10 lines)

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

○ **Projects:**

Completed (duration, sponsoring agency, funding)

Sr. No.	Researchers	Title	Duration	Financial Support (Rs.)	Sponsoring Agency
1.	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 Jojoba (<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
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 Coal 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 and Sialkot, Punjab, Pakistan.	2014-15	1,50,000/-	University of the Punjab
12.	Dr. Sheza Ayaz Khilji	Exogenously applied Ascorbic acid enhanced the growth and yield of potato irrigated with tannery effluent	2014-15	1,50,000/-	University of the Punjab

○ **Newly launched:**

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

○ **Publications: Books/ Edited**

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

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

1. **Prof. Dr. Muhammad Saleem** attended 28th Fungal Genetics Conference March 17-22, 2015. Pacific Grove CA
2. **Prof. Dr. Muhammad Saleem** attended Annual Conference of the German Genetic Society (GFG) Genetics (28-30 September 2015)
3. **Prof. Dr. Muhammad Saleem** attended 2nd International Conference on Biotechnology for Sustainable Development. Institute of Industrial Biotechnology GCU, Lahore **November 26-28, 2014.**
4. **Dr. Abdul Nasir Khalid** attended 1st International Symposium on “The Himalayas of Pakistan” held at Hazara University, Mansehra (27-30 November 2014).



5. **Dr. Abdul Nasir Khalid** participated in 3rd Invention to Innovation Summit 2014
 6. **Dr. Asad Shabbir** attended 8th International Conference on Biological Invasions organized by NEOBIOTA and Çanakkale Onsekiz Mart University 03-08 November 2014
 7. **Dr. Ambreen Ahmed** presented paper in International Conference on Innovations in Chemical and Agricultural Engineering, **Kuala Lumpur, Malaysia**. (Feb 8-9, 2015)
 8. **Dr. Ambreen Ahmed** presented paper in International Conference on Agricultural, Ecological and Medical Sciences, **Penang, Malaysia** (Feb. 10-11th, 2015).
 9. **Dr. Ambreen Ahmed** presented paper in 10th Biennial International Conference of Pakistan Society of Microbiology [PSM 10] (25 to 28th Mar, 2015) "Exploring Microbes for future Endeavours" held at MMG, PU.
 10. **Dr. Ambreen Ahmed** presented paper in 5th International Multidisciplinary Conference (29-31th Oct, 2015)
 11. **Dr. Asma Zulfiqar** presented poster in International Conference on Application of Medicine and Agriculture sustainability in GC Lahore on 16-17 December 2014.
- **Research Journals 2014-15** (Authors name, Article name, Journal with date)
1. **Saleem M.**, Iqbal Z., Shakoory F. R., Shakoory A.R. and 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**
 2. **Saleem M.**, Mahmood N. and 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**
 3. **Aftab, F.** and Sajid, Z. A (2015). Enhanced salinity tolerance in field-grown potato (*Solanum tuberosum* L.) treated with Ascorbic acid. **International Journal of Advances in Science and Technology** ISSN 2348-5426
 4. **Aftab, F.** and Akram, M. (2015). Somatic embryogenesis from cotyledons of *Heterophragma adenophyllum* Seem (Wall. P. Dop): an important medicinal and ornamental tree. **International Journal on Agricultural Sciences** **6** (2):
 5. **Aftab, F.** and Akram, M (2015). Efficient plant regeneration via shoot organogenesis from explants of *in vitro* seedlings of a recalcitrant woody species of teak (*Tectona grandis* L. f.). Proc. VIIIth IS on In Vitro Culture and Horticultural Breeding. Eds.: J. M. Canhoto and S. I. Correia. Acta Horticulturae ISHS 53-60



6. Ali, J., Chaudhry, N.Y and **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**
7. 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**
8. Ishaq, A., Afshan, N. S. and **Khalid, A. N.** (2015). New host of *Puccinia coronata* var. *coronata* from Pakistan. Disease Note, ***Journal of Plant Pathology* 97(1): 209-220.**
9. Fiaz, M., Habib, A., Afshan, N.S. and **Khalid, A.N.** (2015). Some new records of *Uredinales* from Khyber Pakhtunkhwa (KP), Pakistan. ***Mycotaxon* 130: 569-575.**
10. Qasim, T., **Khalid, A. N.**, Vellinga, E. C. and Razaq, A. (2015). *Lepiota albogranulosa* sp.nov. (Agaricales, Agaricaceae) from Lahore, Pakistan, ***Mycological Progress*, 14:24.**
11. Hussain, S., Afshan, N. S., Habib, A. and **Khalid, A. N.** (2015). New Report of edible mushroom, *Termitomyces umkowaan* from Pakistan, ***Sylwan*, 159 (6): 185-197.**
12. M. Saba and **A. N. Khalid.** (2015). *Russula sichuanensis* and its ectomycorrhizae from Himalayan moist temperate forests of Pakistan. ***Mycotaxon*, 130 (3): 629-639**
13. M. Saba, I, Ahmad, and **A.N. Khalid.** (2015). New reports of *Inocybe* from pine forests in Pakistan. ***Mycotaxon*, 130 (3): 671-681**
14. Sarwar, S., Saba, M., **Khalid, A. N.** and Dentinger, B. M. (2015). *Suillus marginielevatus*, a new species and *S. triacicularis*, a new record from Western Himalaya, ***Pakistan. Phytotaxa*, 203 (2): 169–177.**
15. Qasim T, Amir T, Nawaz R, Niazi AR and **Khalid AN.** (2015). *Leucoagaricus lahorensis*, a new species of L. sect. ***Rubrotincti* 130: 533-541.**
16. Ge ZW, Qasim T, Yang Z.L, Nawaz R, **Khalid A.N** and Vellinga EC. (2015). Four new species in *Leucoagaricus*(Agaricaceae, Basidiomycetes) from Asia. DOI: 10.3852/14-351
17. Razaq, A., **Khalid, A. N.** Niazi, A. R and Ilyas, S. (2014). *Russula foetenoides* sp. nov (Basidiomycota, Agaricales)—a new species from Pakistan. ***Sydowia.*, 66(2): 289-298.**
18. Razaq, A., Ilyas, S and **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.**
19. Sadiqullah, Ishaq, A., Fiaz, M., Afshan, N.S. and **Khalid, A.N.** (2014). A new report of *Uromyces ambiens* on box plant from Pakistan. ***Mycotaxon* 129: 429–432.**



20. Fiaz, M., Jabeen, S., Imran, A., Ahmad, H. and **Khalid, A. N.** (2014). Extension of *Macrolepiota* distribution to the montane temperate forests of Pakistan. ***Mycotaxon***, **129** (1): 197–208.
21. Saba, M. and **Khalid, A. N.** (2014). First report of *Callistosporium luteoolivaceum* from Western Himalaya, Pakistan. ***Mycotaxon***, **129** (1): 73–77.
22. Saba, M. and **Khalid, A. N.** 2014. New reports of *Gymnopus* from Pakistan based on ITS sequences. ***Mycotaxon***, **129** (1): 63–72.
23. Thongklang, N., Nawaz, R., **Khalid, A. N.**, Chen, J., Hyde, K. D., Zhao, R. L., Parra, L. A., Hanif, M., Moinard, M. and 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
24. Jabeen, S., Sarwar, S., Niazi A. R. and **Khalid, A. N.** (2014). Checklist of ectomycorrhizae from Pakistan. ***Annals of Applied Bio-Sciences***.1:10-20.
25. Afshan, N. S. and **Khalid, A. N.** (2014). New Records of *Phragmidium* species from Pakistan. ***Mycotaxon***, **128**: 63-70.
26. Sarwar, S. **Khalid, A. N.** and Niazi, A. R. (2014). *Tylopilus*: a new species and a new record from Pakistan. ***Mycotaxon***. **128**: 1-10.
27. Hanif, M., **Khalid, A. N.** and 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**(7): 471-476
28. Yousaf, N., Fiaz, M. Ahmad, H and **Khalid, A. N.** (2014).. Gasteroid mycota of district Mansehra, Khyber Pakhtunkhwa, Pakistan. ***International Journal Agriculture and Biology*** **16**: 571–577.
29. Jabeen, S. and **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.
30. Haroon, F., Iqbal, Z., Pervaiz, K. and **Khalid, A. N.** (2014). Incidence of fungal infection in fresh water ornamental fish in Pakistan. ***International Journal Agriculture and Biology*** **16**: 411–415.
31. Sarwar, S. and **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
32. Sarwar, S. and **Khalid, A. N.** (2014). Additions to Boletes: *Boletus pakistanicus* sp. nov. from coniferous forests of Pakistan. ***International Journal Agriculture and Biology*** **16**: 663–667.



33. Razaq, A., Ilyas, S., and **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.
34. Naila Ali N., and **Afrasiab, H.**, (2014) Effect of TIBA and other plant growth regulators on callogenic response from different explants of Safflower (*Carthamus tinctorius* L.). **International Journal of Agriculture and Biology**. 16(6) : 1112-1116 : IF: 0.902
35. Nourin Aman N., and **Afrasiab, H.**, (2014) Primary and secondary somatic embryogenesis from leaf explants of Rosemary (*Rosmarinus officinalis* L.). **Pakistan Journal of Botany**. 46(3) : 903-909 : IF: 1.207
36. **Ahmed, S** and N.A. Yasin. Induction of defence-related biochemicals by rhizosphere bacteria against black spot disease of rose. **Biological Agriculture and Horticulture** doi.org/10.1080/01448765.(2015).1017737 IF: 0.681
37. **Ahmed, S.** Safdar Sidra, Zulfiqar Ali, Sikander Sultan, Ian Colbeck, Zaheer Ahmad Nasir. ((2015)) Assessment of airborne microflora in the indoor micro-environments of residential houses of Lahore, Pakistan. Aerosol and **Air Quality Research**. Doi: 10.4209/aaqr.2014.12.0338 IF: 2.094
38. Shrestha, B.B., **Shabbir, A.**, Adkins, S.W. ((2015)). *Parthenium hysterophorus* in Nepal: a review of its weed status and possibilities for management. **Weed Research** (Oxford) 55: 132-144. IF 2.01
39. Khan N, [D George](#), [A Shabbir](#), Hanif, [Z](#), [Adkins](#) S. W., ((2015)). Rising CO₂ can alter fodder–weed interactions and suppression of *Parthenium hysterophorus* **Weed Research** (Oxford) 55: 113-117. IF 2.01
40. **Ahmed, S.**, Haider A., and Nadeem M. (2014). Screening of white rot fungi for decolonization of pulp and paper Industrial waste water. **International Journal of Biology and Biotechnology**. 11:2-3
41. Shrestha B.B, **Shabbir, A.** and Adkins S. W (2014) *Parthenium hysterophorus* [in Nepal: a review of its weed status and possibilities for management](#) **Weed Research** DOI: 10.1111/wre.12133
42. Khan, N., George, D., **Shabbir, A.**, Hanif, Z. and Adkins S. W. (2014) [Rising CO₂ can alter fodder–weed interactions and suppression of](#) *Parthenium hysterophorus* **Weed Research** DOI: 10.1111/wre.12127
43. Adkins, S. and **Shabbir A.** (2014). Biology, ecology and management of the invasive parthenium weed (*Parthenium hysterophorus* L.). **Pest Management Science** 70 (7): 1023-1029.



44. Khan, N., **Shabbir A.**, George, D., Hassan, G. and Adkins, S.W. (2014). Suppressive fodder plants as part of an integrated management program for *Parthenium hysterophorus* L. **Field Crops Research** **156**: 172-179.
45. **Shabbir A.**, Dhileepan, K., Khan, N. and Adkins, S.W. (2014). Weed-pathogen interactions and elevated CO₂: growth changes in favour of the biological control agent. **Weed Research** (Oxford) **54** (3): 217-222.
46. Olusegun O., Ali S., Nguyen T., Perrett C., **Shabbir A.** Navie S., Belgeri A., Adkins, SW. and Dhileepan K. (2014) Soil seed bank dynamics in response to an extreme flood event in a riparian habitat. **Ecological Research** **29**: 1115-1129.
47. Brunel, S., Panetta, D., Fried, G., Kriticos, D., Prasad, R., Lansink, A. O., **Shabbir A.** and Yaacoby, T. (2014) Preventing a new invasive alien plant from entering and spreading in the Euro-Mediterranean region: the case study of *Parthenium hysterophorus*. **EPPO Bulletin**, **44**: 479–489.
48. **Shabbir, A.** (2014). Parthenium weed: an emerging major host for the cotton mealybug in Pakistan. **Indian Journal of Weed Science** **46**: 26-28.
49. **Shabbir, A.** (2014). Chemical control of *Parthenium hysterophorus* L. **Pakistan Journal of Weed Science Research** **20** (1): 1-10.
50. **Shabbir, A.** (2014). Soil seed bank studies on a riparian habitat invaded by *Parthenium hysterophorus* **Indian Journal of Weed Science** **47**: 38- 40.
51. M.Z. Rehman, **F. Masood**, and T. Malik. (2015). Bisaccate Pollen from Chhidru Formation, Western Salt Range, Pakistan. **Sci. Int.** (Lahore) **27**(2):1211-1213.
52. M.Z. Rehman, **F. R. Masood**, F. Arshad and T. Malik. (2015). Further Observations on Bivesiculate Pollen from Permian Strata (Chhidru Formation), Western Salt Range Pakistan. **Sci. Int.** (Lahore), **27**(3): 2217-2219.
53. M.Z. Rehman, **F. Masood**, and T. Malik. (2015). Late-Permian Monocolpate and Sulcate Pollen from Chhidru Formation, Salt Range, Pakistan. **Sci. Int.** (Lahore) **27**(2):1215-1218
54. M.Z. Rehman, **F. R. Masood**, S. Akram and U. Doger. (2015). Palynological Evidence of Pteridophytic Plant Communities in Late Permian (Dzulfian) Period, Western Salt Range, Pakistan. **Sci. Int.** (Lahore) **27**(3): 2313-2316.
55. T. Malik, **F. Masood**, and M.Z. Rehman. (2015). Monosaccate Pollen from Early Triassic Strata (Mianwali Formation) Western Salt Range, Pakistan. **Sci. Int.** (Lahore) **27**(3):2221-2224.



56. T. Malik, **F. Masood**, and M.Z. Rehman. (2015). Early Triassic Azonate Trilete Spores From Mianwali Formation, Western Salt Range, Pakistan. *Sci. Int.* (Lahore) **7**(3): 3319-3322.
57. **F. Masood**. (2015). Palynostratigraphy of Middle Triassic Strata of Salt Range, Pakistan. *Geological Society of America Abstracts*. **47** (7): 62
58. Naseem S., Yasin M., **Ahmed A.** and Faisal M. (2015). Chromium accumulation and toxicity in corn (*Zea mays* L.) seedlings. *Polish Journal of Environmental Studies*. **24** (2): 899-904 (IF:0.871)
59. Qasim T, Amir T, Nawaz R, **Niazi A.R** and Khalid AN. (2015). *Leucoagaricus lahorensis*, a new species of L. sect. *Rubrotincti* **130**: 533-541
60. **Sheza, A. K.**, F. Bareen and Sajid Z.A. (2015). Role of antioxidants in the growth and heavy metal uptake from tannery sludge in microbe assisted phytoremediation under field conditions. *International Journal of Advances in Science and Technology* ISSN 2348-5426 IF: **1.016**
61. M.Asif, R.C. Yang, A. Narabi, M.Iqbal, E.P. Laura, **A. Kamran**, H. Randhawa, C. Poznika and D. Spaner (2015). Mapping QTL Selection differential and the effect of Rht-B1 under organic and conventionally managed systems in Attila x CDS Go spring wheat mapping population. *Crop Science* **55**(3) IF: **1.48**
62. Imran M.A. and **Sajid Z.A.** (2015). Arsenic toxicity to germination and vegetation growth of sun flower. *Polish Journal of Environmental Studies* **24**(5) 1993-2002: IF: **0.871**
63. **Sajid Z.A.** and Aftab (2015). Enhanced salinity tolerance in field grown Photo Treated with Ascorbic Acid. *International Journal of Advances in Science and Technology* ISSN- **2348-5426** 28-39 IF: **1.016**

○ **Research Collaboration**

○ **Indigenous** (Title only)

- **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**
 1. **Professor Dr. M. Saleem** is collaborating for research with Prof. Nevo and Dr. Bernard Lamb, Imperial College, UK.
 2. **Dr. A. N. Khalid** is collaborating for research with Dr. Reinhard Berndt (ETH, Switzerland)
 3. **Dr. A. N. Khalid** is collaborating for research with Dr. Cvetomir M. Denchev, Bulgaria
 4. **Dr. A. N. Khalid** is collaborating for research with Dr. Jacques Guinberteau, France
 5. **Dr. A. N. Khalid** is collaborating for research with Dr. Moreno, G. (Spain)
 6. **Dr. A. N. Khalid** is collaborating for research with Dr. Kreisel, H. (Germany)
 7. **Dr. A. N. Khalid** is collaborating for research with Dr. Bryn Masson Dentinger (Royal Botanical Garden, Kew, UK)
 8. **Dr. A. N. Khalid** is collaborating for research with Dr. Donald Fister (Havrad University, USA)



9. **Dr. A. N. Khalid** is collaborating for research with Dr. Tom D. Bruns (University of California, USA)
 10. **Dr. A. R. Niazi** is collaborating for research with Dr. Rodham E Tulloss, New Jersey, USA.
 11. **Dr. A. R. Niazi** is collaborating for research with Prof. Dr. Zhu L. Yang, China.
 12. **Dr. A. R. Niazi** is collaborating for research with Dr. Alejendra Becerra, Argentina.
 13. **Dr. A. R. Niazi** is collaborating for research with Dr. Xavier Parlade, Spain.
 14. **Dr. A. R. Niazi** is collaborating for research with Dr. Slavomir Adamcik, Czech.
- **Funding grants for R & D (for the year 2014-15)**

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

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

R&D-An Overview (5-10 lines)

Established in 2002, in University of the Punjab, Department of Microbiology and Molecular Genetics, has emerged as one of the leading department in the university. The department has well equipped research labs and basic facility for Microbiology and Molecular Genetics related research. Currently there are 25 faculty members among them 20 are PhDs and are running their independent research groups. The main research areas are Human Genetics, Bacterial Biofilms, Environmental Microbiology, Metal Detoxification and Water Treatment, Agricultural Microbiology, Agricultural biotechnology, Plant Microbial Interactions, Biofertilizers, Biopesticides, Microbial Ecology, Microbial Diversity, Bioplastics, Industrial Microbiology, Drugs Discovery, Immunology, Medical Microbiology, anerobic bacteriology, biodiesel and biofuels, Cancer Metabolism/Therapy, and Bioinformatics. There are 70 PhD students at the department, and about 71 research papers in impact factor internationally reputed journals were published. Department has organized 12 workshop/seminars/conferences.

Projects: (i) Completed

1. 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.



2. 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.
3. Isolation of biofilm forming bacteria from stomach ulcer 2014-2015. Punjab University. **Rs, 8,00,000/-** PI: Dr Anjum Nasim Sabri.
4. To determine the antibacterial activity of natural plant extracts against highly drug resistant urinary tract infection (UTI) bacteria and their molecular characterization for their phylogenetic relationship. Funded by the University of the Punjab, Lahore, (2014-2015), of worth Rs. 200,000, PI. Dr. Zakia Latif.
5. Characterization of selenium-resistant bacteria and their use in bioremediation. Funded by the University of the Punjab, Lahore, 2014-2015, of worth Pak Rs. 0.2 million, PI: Dr Sikander Sultan.
6. 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.
7. 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.
8. Biochemical characterization of bioplastic produced by *Pseudomonas* & *Enterobacter* Punjab University Research Project (2014-2015)- University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nazia Jamil
9. Research project entitled: Potential use of yeast in decontamination of heavy metals (Cu, Pb, Cr, As, Cd) from polluted wastewater. Pakistan Science Foundation, 2011-2013, of worth Rs. 1.490 million (PKR), completed in 2014. PI Dr Abdul Rehman
11. 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
12. 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.
13. Research Project entitled: Screening for antitumor/anticancer compounds from indigenous actinomycetes. Higher Education Commission of Pakistan (of worth PKR 8.96136 million) Continued, PI: Dr. Imran Sajid
14. 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.
15. 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.



16. 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.
17. Lipid Metabolism in the Hematological Cancer Cells (2013-14). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nousheen Zaidi
18. Anticancer Therapy: Targeting *Mevalonate Pathway*, (2014-16) Pakistan Science Foundation Research Project, of Worth 18,00,000 PKR. PI: Dr. Nousheen Zehra Zaidi.
19. Development of multiplex assay for the detection of genes encoding beta-lactamase in enterobacteriaceae. University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Saba Riaz
20. 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.
21. DNaseI gene in diabetes mellitus: a family based study (2014- 15). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nageen Hussain
22. 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.
23. Optimizing Conditions for the Biodiesel Production from Microalgae (2013-14). University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Mehboob Ahmed.
24. 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.
25. Genetic basis of FTO, leptin, and Leptin receptor genes in obesity (2013-2014). Punjab University, of worth Rs. 386,000. PI: Mrs. Shabana
26. 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.
27. 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.

❑ **Projects (ii) Newly launched**

- Bioremediation of arsenic by indigenous arsenic resistant biofilm forming bacteria. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 0.25 million, **PI:** Dr Anjum Nasim Sabri
- Evaluation of genotoxic potential of pesticides. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 0.25 million, **PI:** Dr Sikander Sultan.
- Isolation, characterization of common scab pathogens and effective antagonistic bacterial strains for biological control of the disease. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Rs. 200,000, PI. Dr. Zakia Latif.
- Organogenesis induction in rice callus using different phytohormones and cyanobacterial extracts. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 1,50,000., **PI:** Ms Tahira Malik



- Microbial degradation of Petrol by *Bacillus* and *Enterobacter* species. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Muhammad Faisal
- Isolation and characterization of keratinase producing bacteria soil contaminated with poultry waste. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 1,50,000., PI: Dr Abdul Rehman
- 7. International Foundation for Science (IFS) Sweeden,(2014-16)-PI, Analysis of purified bioplastic from indigenous bacteria for in-vitro cell culturing, of worth 10000 USD.PI: Dr. Nazia Jamil
- 8. Analysis of Multi-drug Resistant *Mycobacterium tuberculosis* in Pakistan. 2014-2015. University of the Punjab, Lahore, of worth Rs. 150,000, PI: Dr. Nazia Jamil
- 9. Anticancer therapy: Targeting De Novo Lipid synthesis. Higher Education Commission funded Research Project (2013-15) of worth 16.4 million PKR CoPI: Dr. Nazia Jamil
- 10. Evaluation of charcoal and water based formulations of *Bacillus* and *Escherichia coli* to enhance the growth and yield of *Triticum aestivum* L. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Basharat Ali
- 11. Auxin production and biofertilization potential of plant associated *Bacillus* sp. under different water regimes from HEC NRPU. Rs. 3.694 millions; PI: Dr. Basharat Ali
- 12. 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. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Imran Sajid
- 13. Research Project (2014-2015) entitled: Isolation and characterization of lytic bacteriophages against *Staphylococcus aureus*. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr Shafiq ur Rehman.
- 14. Cloning of tetravalent vaccine against dengue virus infection. Directorate of Research & Development, University of the Punjab Lahore. Pakistan **(2015)**. of worth Pak Rs. 5,75,750 Rupees. PI: Dr Zaigham Abbas
- 15. Evaluation of anti-arthritic activity of different Herbal extracts of *Nyctanthes Arbor-tristic* (Night Jasmine) in rats. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr Zaigham Abbass
- 16. Expression Profiling Of Metabolic Genes in Hematopoietic Cancer Cells. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Nousheen Zaidi
- 17. Research project (2014-2015) entitled "Rice husk in combination of bacteria: as an effective biowaste ingredient for the removal of Cr (VI) Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Rida Batool.
- 18. Role of *IRF6* gene in Van der Woude syndrome and Popliteal Pterygium syndrome. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, PI: Dr. Saira Malik.



19. Iron deficiency anaemia and its associated factors in Pakistani adults. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 1,50,000., **PI:**Dr Saba Riaz
20. ACE gene polymorphism in inherited cardiac Arrhythmias. Funded by the University of the Punjab, Lahore, (2015-2016), of worth Pak Rs. 1,50,000., **PI:** Dr Nageen Hussain
21. Using Oil Producing Cyanobacteria to Enhance Yield of Oil Producing Plants. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million, **PI:** Dr. Mehboob Ahmed
22. Biohydrogen Production Using Arsenic Resistant Purple Non Sulfur Bacteria University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 0.15 million **PI:** Dr. Yasir Rehman.
23. Mutational Analysis Of *BRCA2* Gene Among Breast Cancer Patients Of Punjab. Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 125,000/-, **PI:** Ms. Warda Fatima
24. Effect of Selected Mutations of Peroxisome proliferator-activated receptor gamma (PPARG) genes on diabetes in patients from Pakistan (2014-2015). University of the Punjab, Lahore of worth Rs. 125,000/- **PI:** Mrs. Shabana
25. ICT Initiatives in a Developing Country Funded by the University of the Punjab, Lahore. (2015-2016), of worth Pak Rs. 125,000/- **PI:** Muhammad Zeeshan Akbar

PUBLICATIONS

a. Research Articles

1. **Ahmed, M.**, Stal, L.J. and Hasnain, S. 2014. Biofilm formation and Indole 3-Acetic Acid production by two rhizospheric unicellular Cyanobacteria. *Journal of Microbiology and Biotechnology*, 24(8): 1015-1025.
2. **Akbar, M.Z.** 2014. E-learning and Pakistan - An Era of Modern Education. In: Uslu, F. (Ed), *Proceeding INTCESS14-International Conference on Education and Social Sciences*, 3-5 February 2014, Istanbul, Turkey, pp 652-657
3. Akbar, S., **Sultan, S.** and Kertesz, M. 2014. Bacterial community analysis in chlorpyrifos enrichment cultures via DGGE and use of bacterial consortium for CP biodegradation. *World Journal of Microbiology and Biotechnology*, **30 (10)**: 2755-2766. DOI 10.1007/s11274-014-1699-8
4. Anwar, S., **Ali, B.**, Qamar, F. and Sajid, I. 2014. Insecticidal activity of actinomycetes isolated from salt range Pakistan against mosquitoes and red flour beetle. *Pak J Zool*, 46(1): 83-92.
5. Farooq, N., Raheem, A. and **Ali, B.** 2014. Waterborne *Escherichia coli*: Biosafety and screening as plant growth promoting rhizobacteria. *J Pure Appl Microbiol*, 8(5): 3963-3871.
6. Hassan, A., **Ali, B.** and Sajid I. 2014. Antimicrobial screening and metabolic fingerprinting of soil bacilli against urinary tract infections (UTIs) causing *E. coli*. *Sci Int (Lahore)*, 26 (4): 1569-1576



7. Jamil, A. and **Ali, B.** 2014. L-tryptophan amendments enhanced auxin production and growth of *Triticum aestivum* L. by rhizobacteria. *Asian J Agric Biol*, 2(4): 250-257.
8. 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.
9. 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.
10. **Riaz, S.** 2014. Obesity as a risk factor for diabetes mellitus in the local population of Pakistan. *Universal Journal of Clinical Medicine*, 2(3): 58-64.
11. **Riaz, S. and Rana, S.** 2014. Analysis of uropathogenes among type II diabetic patients in Pakistani population. *Advances in Diabetes and Metabolism*, 2(2): 31 - 41.
12. 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*
13. Aslam, M. S. , Naveed, S., Ahmed, A., **Abbas, Z.** ,Gull, I., Athar, M.A., 2104. Side Effects of chemotherapy in cancer patients and evaluation of patients opinion about starvation based differential chemotherapy. *Journal of Cancer Therapy*, 5: 817-822.
14. Hussain, A Rehman, S. U. Aslam, S., Javed ,N., Abbas, Z., 2014. Development of device based on nano-gold particles to detect NS1; an early diagnostic marker of Dengue virus infection. *Journal of animal and plant Sciences*, 24 (4): 1110-1115.
15. Afifa, A., Zaman, G.P., **Fatima, W.**, Javed , H. 2015. Report On Malnutrition As An Epidemic In Pakistan. *Science International (Lahore)*. 27(3), 2589-2592.
16. Aftab, U., Zechel, D.L., and **Sajid, I.** 2015. Antitumor compounds from *Streptomyces* sp. KML-2, isolated from Khewra salt mines, Pakistan. *Biological Research*, DOI: 10.1186/s40659-015-0046-3
17. Ahmad, T., **Faisal, M.**, Iqbal, S., Khalil, M and Qazi, M.H. 2015. Factors affecting detoxification of hexavalent chromium into trivalent in industrial effluents by indigenous bacteria. *Journal of Environment and Earth Science*, 5(15): 111-118.
18. Akbar, S., **Sultan, S.** and Kertesz, M. 2015. Bacterial community analysis of cypermethrin enrichment cultures and bioremediation of cypermethrin contaminated soils. *Journal of Basic Microbiology*, **54**: 1-11.
19. Akbar, S., **Sultan, S.** and Kertesz, M. 2015. Determination of cypermethrin degradation potential of soil bacteria along with plant growth-promoting characteristics. *Current Microbiology*, **70 (1)**: 75-84. DOI: 10.1007/s00284-014-0684-7.
20. Akram, W., Anjum, T. and **Ali, B.** 2015. Searching ISR determinant/s from *B. subtilis* IAGS174 against *Fusarium* wilt of tomato. *BioControl*, 60(2): 271-280.
21. **Ali, B.** 2015. Bacterial auxin signaling: Comparative study of growth induction in *Arabidopsis thaliana* and *Triticum aestivum*. *Turk J Bot*, 39(1): 1-9.



22. Amin, A and **Latif**, Z. 2015. Phytotoxicity of Hg and its detoxification through microorganisms in soil. Review article in: *Advancements in Life Sciences*. 2(2). pp 98-105.
23. Anwar, N. Saleem, M and **Sajid**, I. 2015. Antimicrobial Screening and chemical profiling of soil streptomycetes against group B *Streptococcus* (GBS), *Science International*, 27(6): 6449-6454.
24. Aslam, F. and **Ali**, B. 2015. Efficacy of charcoal based formulations of *Bacillus* and *Escherichia coli* to enhance the growth and yield of *Triticum aestivum* L. *Res J Biotechnol*, 10(7): 81-88.
25. Aslam, M.S., Khalid, T., Gull, I., Abbas, Z., Athar, M.A (2015). Identification of Major allergens of paper mulberry (*Broussonetia papyrifera*) pollens and purification of novel 40 kDa allergen protein. *Current Allergy and clinical immunology*, 28 (1): 36-41.
26. **Batool**, R., Yrjälä, K. and Hasnain, S. 2015 Alleviation of phyto-toxic effects of chromium by inoculation of chromium (VI) reducing *Pseudomonas aeruginosa* Rb-1 and *Ochrobacterum intermedium* Rb-2 *International Journal of Agriculture and Biology* 17: 21-30.
27. **Batool**, R., Yrjälä, K. and Hasnain, S. 2015. Study on cellular changes and potential endotrophy of wheat roots due to colonization of Chromium reducing bacteria. *International Journal of Environmental Science and Technology*, 12(10): 3263-3272. DOI 10.1007/s13762-015-0757-6.
28. **Batool**, R., Yrjälä, K., Shaukat, K., Jamil, N. and Hasnain, S. 2015. Production of EPS under Cr(VI) challenge in two indigenous bacteria isolated from a tannery effluent. *Journal of Basic Microbiology*, 55(9):1064-1074.
29. Bukhari, D.A. and **Rehman**, A. 2015. Purification and characterization of α -amylase from *Bacillus subtilis* isolated from local environment. *Pakistan Journal of Zoology*, 47(4): 905-911.
30. Butt, A., **Malik**, S. 2015. Microbial and parasitic contamination on circulating Pakistani currency. *Advancements in Life Sciences*. 4: 150-157.
31. Hassan, A. and **Sajid**, I. 2015. Inhibitory effects of plant extracts and putative endophytic actinomycetes from the selected members of Meliaceae family against MDR *Pseudomonas aeruginosa*. *European Journal of Medicinal Plants*, 10(4):1-14.
32. Hussain A, Mumtaz, H.M, Aslam, M.S, **Abbas**, Z 2015. Seroprevalence of transfusion based transmissible infections among clinically healthy donors in the community of Multan, Pakistan. *J. Inf. Mol. Biol.* 3(2): 47-51.
33. Ilyas, S. and **Rehman**, A. 2015. Oxidative stress, glutathione level and antioxidant response to heavy metals in multi-resistant pathogen, *Candida tropicalis*. *Environmental Monitoring and Assessment*. 187 (1): 4115.
34. Ilyas, S., Bukhari, D.A. and **Rehman**, A. 2015. Decolourization of Synazol Red 6HBN by yeast, *Candida tropicalis* 4S, isolated from industrial wastewater. *Pakistan Journal of Zoology*, 47(4): 1181-1185.



35. Ilyas, S., **Rehman, A.**, Ana Coelho Varela, A.C. and Sheehan, D. 2014. Redox proteomics changes in the fungal pathogen *Trichosporonasahii* on arsenic exposure: identification of protein responses to metal-induced oxidative stress in an environmentally-sampled isolate. PLOS One, 9(7) e102340.
36. Iqbal, Z. and **Sajid, I.** 2015. Antimicrobial activity and metabolic fingerprinting of rare actinomycetes isolated from fresh water lakes and seasonal ponds in northern Punjab, Pakistan. Journal of Advances in Biology and Biotechnology, 4(4): 1-11..
37. **Jamil, N.**, and Ahmed, N., **2015**. Micro Fibril and Capsular Exopolysaccharides Produced by *Alcaligenes* CMG634. Journal of Pure And Applied Microbiology. Vol. 9(Spl. Edn. 1) 399-405.
38. Javaid, H and Jamil, N., **2015**. Utilization of mustard oil for the production of polyhydroxyalkanoates by *Pseudomonas aeruginosa*. J Microbiol Biotech Food Sci 4 (5) 412-414.
39. Javed, H Hashmi,J,F., Tahir, Z., Rehman, A., **Nazia Jamil**. 2015. Choice of blood agar as a suitable media for *Mycobacterium tuberculosis*. Sci.Int.(Lahore),27(5),4283-4285.
40. Javed, H and **Jamil. N.**, **2015**. Genotypes and drug resistance patterns of multi-drug-resistant *Mycobacterium tuberculosis* strains in Pakistan. European Respiratory Journal 09/2015; 46(suppl 59):PA2687. DOI:10.1183/13993003.congress-2015. PA2687.
41. Junaid, K., **Rehman, A.**, Jolliffe, D.A., Wood, K. and Martineau, A.R.. 2015. High prevalence of vitamin D deficiency among women of child-bearing age in Lahore Pakistan, associating with lack of sun exposure and illiteracy. BMC Women's Health, 15: 83.
42. Junaid, K., **Rehman, A.**, Saeed, T., Jolliffe, D.A.,Wood, K. and Martineau, A.R.2015. Genotype-independent association between profound vitamin D deficiency and delayed sputum smear conversion in pulmonary tuberculosis. BMC Infectious Diseases. 15: 275.
43. Khan, K., Hussain, S.Z., **Rehman, A.**, Zulfiqar, S. and Shakoori, A.R. 2015. Evaluation of cadmium resistant bacterium, *Klebsiella pneumoniae*, isolated from industrial wastewater for its potential use to bioremediate environmental cadmium. Pakistan Journal of Zoology, 47(6): 1533-1543.
44. Khokher, S., Qureshi, M. U., **Fatima, W.**, Mahmood, S., Saleem, A. 2015. Impact of a Breast Health Awareness Activity on the Knowledge Level of the Participants and its association with Socio- Demographic Features. Asian Pac J Cancer Prev, 16 (14), 5817-5822.
45. Mahmood, S., **Rehman, Y.** and Hasnain, S. 2015. Cross-Kingdom Pathogenicity across Plants and Human Beings. *Journal of Bacteriology & Parasitology*, 6(4):1000e124.
46. Munir, S. and **Jamil, N.** **2015**. Polyhydroxyalkanoates (PHA) production and characterization by utilizing wastewater as cheap carbon source. Tropical Journal of Pharmaceutical Research. 14(9):1605-1611.
47. Munir, S., Iqbal, S and Jamil, N., **2015**. Polyhydroxyalkanoates (PHA) Production using Paper Mill Wastewater as Carbon Soure in Comparison with Glucose. Journal Of Pure And Applied Microbiology. Vol. 9(Spl. Edn. 1) 453-460.



48. Naseem, S. Yasin, M., Ahmed, A and **Faisal, M.** 2015. Chromium accumulation and toxicity in Corn (*Zea mays* L. seedling). *Polish Journal of Environmental Studies*, 24(2): 899-904.
49. Rafique,A., Amin A. and **Latif, Z.** 2015. Screening and characterization of mercury-resistant nitrogen fixing Bacteria and their use as biofertilizers and for mercurybioremediation.*Pakistan Journal of Zoology*. 47(5): 1271-1277.
50. Raheem, A. and **Ali, B.** 2015. Halotolerant rhizobacteria: Beneficial plant metabolites and growth enhancement of Triticum aestivum L. in salt amended soils. *Arch Agron Soil Sci*, 61: 1691-1705.
51. Rasool, H. A. and **Ahmed, M.** 2015. Designing Second Generation Anti-Alzheimer Compounds as Inhibitors of Human Acetylcholinesterase: Computational Screening of Synthetic Molecules and Dietary Phytochemicals. *PLoS ONE* 10(9): e0136509 (doi: 10.1371/journal.pone.0136509)
52. Rehman, F and **Faisal, M.** 2015. Estimation of toxic hexavalent chromium reduction potential of *Bacillus pumilis*, *Cellulosimicrobium cellulans* and *Exiguobacterium*. *Chinese Journal of Oceanology and Limnology*, 33: 585-589.
53. Reza, F.A., Amin, A and **Faisal, M.** 2015. Characterization of desiccation tolerant rhizobacteria from Cholistan desert, Pakistan: Their impact on growth of *Zea mays* L. *Polish Journal of Environmental Studies*, 24(4): 223-231.
54. Riaz, R., **Sajid, I.**, Sarwar, A., Rehman, F., Akhtar, M., Sadiq, S. A., Naseem, M. and Ahmed, N. 2015. Molecular Characterization and Assessment of Phylogenetic Relationship among Tomato Rhizospheric Bacterial Population. *Biologia*, 61(1): 7-15.
55. **Riaz, S** and Bashir, M.F. 2015. Phenotypic and Molecular Characterization of Plasmid Encoded Extended Spectrum Beta-lactamases produced by *Escherichia coli* and *Klebsiella* spp from Lahore, Pakistan. *Tropical Journal of Pharmaceutical Research.*; 14 (9): 1597-1604.(<http://dx.doi.org/10.4314/tjpr.v14i9.8>). (IF 0.589)
56. Saleem. H.G.M, Usman Aftab, U, **Imran Sajid. I, Zaigham Abbas. Z, Sabri, A.N.** 2015. Effect of crude extracts of selected actinomycetes on biofilm formation of *A. schindleri*, *M. aci* and *B. cereus* . *Journal of Basic Microbiology*. 55: 645-651 . **Impact factor. 0.768.**
57. Sarwar, S., Saleem, K., **Fatima, W., & Sabri, A. N.** 2015. Detection of Extended Spectrum Beta Lactemases producing MRSA from hospital waste water in Lahore. *Science International*, 27(1): 399-402.
58. **Shabana** and Hasnain, S 2015. The fatty acid binding protein 2 (*FABP2*) polymorphism Ala54Thr and obesity in Pakistan: a population based study and a systematic meta-analysis". *Gene*. 574(1): 106-111. **IF: 2.13**
59. **Shabana** and Hasnain, S.2015. Association of the leptin receptor Gln223Arg polymorphism with lipid profile in obese Pakistani subjects. *Nutrition* 31(9): 1136-1140. **IF: 2.93**



60. **Shabana** and Hasnain, S.2015. Effect of the common FTO (fat mass and obesity associated) gene variants on Obesity in Pakistani population: A case-control study". *BioMed Research International*. 2015: 1-8. IF: **1.579**
61. Shamim, S. and **Rehman, A.** 2015. Antioxidative enzyme profiling and biosorption ability of *Cupriavidus metallidurans* CH34 and *Pseudomonas putida* mt2 under cadmium stress. *Journal of Basic Microbiology*, 55(3): 374-381.
62. Tanweer, A., Zaman, G. P., **Fatima, W.**, Javed H. 2015. Report On Malnutrition As An Epidemic In Pakistan. *Science International*. 27(3): 2589-2592..
63. Tariq, S., Akhtar, S., Qyuum, A., **Riaz, S.** (2015). Comparison of Conventional TB Diagnostic Techniques with PCR Is6110 in Tertiary Care Chest Hospital Lahore Pakistan. *Medical Forum*. 26 (12): 55-58.
64. Tariq, S., Amin, A and **Latif, Z.** 2015. PCR based DNA fingerprinting of Mercury resistant and nitrogen fixing *Pseudomonas* spp. *Pure and Applied Biology*. 4(1): 129-136.
65. Wadood , Z.H., Rajasekar ,A., Ting Y-P., **Sabri, A.N.**,2015. Role of *Bacillus subtilis* and *Pseudomonas aeruginosa* on Corrosion Behaviour of Stainless Steel. *Arabian Journal for Science and Engineering* 40(7): 1825-1836.
66. Yasin, M., El-Mehdawi, A., Anwar, A., Elizabeth Pilon-Smiths and **Faisal, M.** 2015. Microbial-enhanced selenium and iron biofortification of wheat (*Triticum aestivum* L.) - applications in phytoremediation and biofortification. *International Journal of Phytoremediation*, 17(4):339-
67. Yasin, M., El-Mehdawi, AF., Jahn, CE., Anwer, A., Turner, MFS., **Faisal, M** and Pilon-Smith, EAH. 2015. Seleniferous soils as a source for production of selenium-enriched foods and potential of bacteria to enhance plant selenium uptake. *Plant and Soil*, 386(1): 385-394.
68. Yasin, M., El-Mehdawi, AF., Pilon-Smith, EAH and **Faisal, M.** 2015. Selenium-fortified wheat: Potential of microbes for biofortification of selenium and other essential nutrients. *International Journal of Phytoremediation*, 17(8): 777-786.
69. Younas,T., Iftikhar Ali and **Jamil, N.**, .2015. Polyhydroxyalkanoates production using canola oil by bacteria isolated from paper pulp industry. *Kuwait J. Sci.* 42 (2) pp. 236-249.
70. Younis, T and **Faisal, M.** 2015. Functional and genomic diversity of *Pinus roxburghii* rhizospheric bacteria and their potential role in plant growth promotion. *Research Journal of Biotechnology*, 10(3): 54-61.
71. Zaid, M. and **Jamil, N.**, 2015. Production and *in-vitro* Evaluation of Bioplastic produced by bacteria using Bagasse, Dr. Md. Aminur Rahman and Dr. AkosLakatos (eds), ISBN 978-93-84468-14-9, International Conference on Chemical, Food and Environment Engineering (ICCFEE, 15) from Jan. 11-12, 2015 at Dubai, UAE, pp,61-65.

b. Book / Book Chapters

1. Afshan Butt, Saira Malik. Microorganisms on currency notes and coins in circulation. LAP LAMBERT academic publishing (2015). Omniscriptum GmbH and Co. KG. ISBN: 978-3-659-70880-0.



2. Misbah Aslam and Nazia Jamil. **2015**. Plasmid encoded bacteriocin transformation studies in *Alcaligenes* and *Brevundimonas*. The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs A. Méndez-Vilas (Ed.) pp 336-345, Formatex Research Centre.
 3. Yasin M, El-Mehdawi AF, **Faisal M.** & Pilon-Smits EAH 2015. Microbe-assisted selenium phytoremediation and phyto-management of natural seleniferous areas. Eds: Gary S. Banuelos et al. Selenium in the environment and human health. CRC Press 2015. pp 199-200, ISBN-978-1-138-02731-2. DOI:10.1201/b19204-101. **BOOK CHAPTER**
 4. Alam, S.S and **Riaz, S** 2015. Thiamine and the Cellular Energy Cycles - A Novel Perspective on Type 2 Diabetes Treatment, Treatment of Type 2 Diabetes, Dr. Colleen Croniger (Ed.), ISBN: 978-953-51-2032-2, InTech, DOI: 10.5772/59224. Chapter 2 page 23-59. InTech
- o **Conferences, Seminars and Workshops, etc.**
1. **Prof. Dr. Shahida Hasnain** presented in One Day Symposium on “Emerging Issues of Multidrug Resistance: A Threat to the Globe” organized by the Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, 2nd October, 2014
 2. **Prof. Dr. Shahida Hasnain** presented as Invited Speaker in 5th International Symposium-cum-training Course on Molecular Medicine and Drug Research. Presented paper “Prokaryotes: A Refectory to Antibiotics” organized by HEJ Karachi University January 12-15, 2015 Karachi, Pakistan
 3. **Prof. Dr. Shahida Hasnain** Attended Video Seminar on “Modern Practice and Trends in American Higher Education” by Prof Rodger A. Randle from University of Oklahoma, organized by HEC February 4, 2015.
 4. **Prof. Dr. Shahida Hasnain** Attended 2nd meeting of General Assembly of 3rd Vice Chancellor’s Forum 2015 “Uncertainties in the Islamic World: Facing Global Challenges” and participated in panel discussion entitled “Equality of Access and Role of Women in Higher Education and Society” organized by HEC and COMSATS Institute of Information Technology, February 23-24, 2015 Serena Hotel Islamabad.
 5. **Prof. Dr. Shahida Hasnain** presented as Invited Speaker in preconference workshop on “Vaccinology”, gave lecture on “Role of Molecular Biology in vaccine production” in University of Lahore, March 24, 2015.
 6. **Prof. Dr. Shahida Hasnain** presented as Invited Speaker in 10th biennial International Conference of Pakistan Society for Microbiology “Exploring Microbes for Future Endeavor” presented paper on “MICROBIOLOGY IN PAKISTAN: TRENDS & CONCERNS” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 25-28, 2015.
 7. **Prof. Dr. Shahida Hasnain** Attended Senior Management Leadership Training Program COL CANADA, April 25- May 07 2015.



8. **Prof. Dr. Shahida Hasnain** Attended 16th Vice Chancellors" Committee Meeting organized by HEC, Margala Hotel, Islamabad June, 2015.
9. **Dr Anjum Nasim Sabri** attended and organized One Day Symposium on "Emerging Issues of Multidrug Resistance: A Threat to the Globe" organized by Department of Microbiology and Molecular Genetics, University of the Punjab on 02nd October, 2014.
10. **Dr Anjum Nasim Sabri** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 17 – 21 November, 2014.
11. **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.
12. **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.
13. **Dr Anjum Nasim Sabri** Organized, one day workshop on **Parasitology and immunological aspects** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore..13-14 February, 2015.
14. **Dr Anjum Nasim Sabri** Organized, one day workshop on **Vaccinology**. Jointly organized by University of Lahore, PSM and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 24 March, 2015.
15. **Dr Anjum Nasim Sabri** organized 10th Biennial International conference of Pakistan Society of Microbiology. "**Exploring microbes for future endeavors**: In collaboration with Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore with PSM, American Society of Microbiology. 25-28 March, 2015.
16. **Dr Anjum Nasim Sabri** Organized **series of lectures by Prof. Dr. Simon Silver**. Department of Microbiology and immunology. University of Illinois, Chicago. 1). Beyond the Fringe: When Science Moves from Innovative to Nonsense. 30, March, 2015; 2) Out of Africa: Human Genome Diversity and Migration Over the Last 70,000 Years 31, March, 2015; 3) Writing and Publishing a Scientific Manuscript: Radical Changes are now Happening. 01 April, 2015; 4) Mega viruses. 02 April, 2015.
17. **Dr Anjum Nasim Sabri** organized One day workshop on **Eucaryotic cell culture techniques** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 28 April, 2015.
18. **Dr Anjum Nasim Sabri** organized one day workshop on **Western blotting** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 5th May 2015.
19. **Dr Anjum Nasim Sabri** organized one day workshop on **Ethical challenges in biomedical research**. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 23, May 2015.



20. **Dr Anjum Nasim Sabri** organized one day seminar on **Targeted Cancer Therapy.** by Dr. Sairah Alvi .Director Scientific and Medical Affairs , 39 Windsor Drive Oak Brook IL 60523, At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. April 14th, 2015.
21. **Dr Anjum Nasim Sabri** Attended and presented in 2nd annual scientific symposium of Mohtarma Benazir Bhutto shaheed Medical college, Mirpur AJ &K 17-19 April,2015
22. **Dr Anjum Nasim Sabri** Organized **Poster competition on ecosystem**, At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 29th May, 2015.
23. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. Changing Culture to Promote Integrity: Why Progress Is Possible. One hour online class on April 20, 2015. David Callahan. , author of *The Cheating Culture: Why More Americans Are Doing Wrong to Get Ahead*
24. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. A Student-Centered Culture: Promoting Integrity One Conversation at a Time. One hour online class on April 20, 2015 with Michael Goodwin, Academic Integrity Coordinator at Kennesaw State University.
25. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. Narcissism and Extrinsic Values: Understanding Student Trends that Impact Plagiarism and Cheating One hour online class on April 21, 2015. with Jean Twenge, author of *The Narcissism Epidemic: Living in the Age of Entitlement*.
26. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. Improvisation and Plagiarism: Fostering a Culture of Creativity. One hour online class on April 22, 2015 with Teresa Fishman, Director of the International Center for Academic Integrity (ICAI)
27. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. The Cultural Implications of Contract Cheating. One hour online class on April 22, 2015 Dr. Tricia Bertram Gallant . Director of Academic Integrity, UC San Diego
28. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. Decisions on Deadline: A 21st Century Gaming Approach to Teach Plagiarism and Ethics. One hour online class on April 23, 2015 with Samantha Grant and Brittney Shepherd, co-producers of *A Fragile Trust*.
29. **Dr Anjum Nasim Sabri** Attended and participated in Turnitin 3rd Annual Plagiarism Education Week April 20-24, 2015. Create/Lead/Culture: Integrity Strategies for Students. One hour online class on April 24, 2015 with Tricia Bertram Gallant, Director of Academic Integrity at UC San Diego.
30. **Dr. Sikander Sultan** was Member Organizing Committee, One Day Symposium on “Emerging Issues of Multidrug Resistance: A Threat to the Globe” organized by Department of Microbiology and Molecular Genetics, University of the Punjab on 02nd October, 2014.



31. **Dr. Sikander Sultan** attended One Day Symposium on “Emerging Issues of Multidrug Resistance: A Threat to the Globe” organized by Department of Microbiology and Molecular Genetics, University of the Punjab on 02nd October, 2014.
32. **Dr. Sikander Sultan** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 17 – 21 November, 2014.
33. **Dr. Sikander Sultan** was Member Organizing Committee, Two days fund raising Tecnospark event (CV writing and Interview skills) organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, November 29-30, 2014.
34. **Dr. Sikander Sultan** was Member Organizing Committee, National Conference & Training Workshop on “Wildlife & Aerobiology” organized by Department of Zoology, University of the Punjab, Lahore on February 6-7, 2015.
35. **Dr. Sikander Sultan** attended National Conference & Training Workshop on “Wildlife & Aerobiology” and conducted training session on “Molecular Techniques for Identification of Bio-aerosols Present in Air” organized by Department of Zoology, University of the Punjab, Lahore on February 6-7, 2015.
36. **Dr. Sikander Sultan** was Member Organizing Committee, Two Day Pre-Conference Workshop on “Parasitology & Its Immunological Aspects” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on February 13-14, 2015.
37. **Dr. Sikander Sultan** was Member Organizing Committee, 10th Biennial International Conference of Pakistan Society for Microbiology (PSM10) “Exploring Microbes for Future Endeavours” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore in collaboration with ORIC, University of the Punjab, Lahore and American Society for Microbiology, March 25-28, 2015.
38. **Dr. Sikander Sultan** attended and presented in 10th Biennial International Conference of Pakistan Society for Microbiology “Exploring Microbes for Future Endeavours” organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore in collaboration with ORIC, University of the Punjab, Lahore and American Society for Microbiology, March 25-28, 2015.
39. **Dr. Sikander Sultan** attended one day Post Conference seminar on “Beyond the Fringe: when Science moves from innovative to nonsense” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 30, 2015.
40. **Dr. Sikander Sultan** attended one day Post Conference seminar on “Out of Africa: Human genome diversity and Migration over the last 70,000 years” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 31, 2015.
41. **Dr. Sikander Sultan** attended one day Post Conference seminar on “Writing and Publishing a Scientific Manuscript: Radical Changes are now happening” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 01, 2015.



42. **Dr. Sikander Sultan** attended one day Post Conference seminar on “Mega Viruses” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 02, 2015.
43. **Dr. Zakia Latif** attended Indigenous on-campus training program for management team from 17-21 November, 2014, organized by the University of the Punjab in collaboration with HEC at University of the Punjab, Lahore.
44. **Dr. Zakia Latif** attended 2nd. International conference on biotechnology for sustainable development from November 26 to 28, 2014, on 150 years of Excellence organized by Institute of Industrial Biotechnology, GC University Lahore.
45. **Dr. Zakia Latif** attended two days pre-conference workshop “Parasitology and its immunological Aspects” on 13-14 February, 2015 in the Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore, Pakistan.
46. **Dr. Zakia Latif** is Member organizing committee of the 10th Biannual International Conference of Pakistan Society for Microbiology, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 25th to 28th March, 2015.
47. **Dr. Zakia Latif** participated and presented research work in the 10th Biannual International Conference of Pakistan Society for Microbiology, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 25th to 28th March, 2015.
48. **Dr. Zakia Latif** Co-Chaired a Keynote Session at Khorana Hall, Institute of Chemistry in the 10th Biannual International Conference of Pakistan Society for Microbiology, organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore on 25th to 28th March, 2015.
49. **Dr. Muhammad Faisal**, attended two days workshops “Parasitology and its immunological aspects” on 13-14 February, 2015, Organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore
50. **Dr. Muhammad Faisal**, Attended/Participated and member organizing committee of the 10th Biannual International Conference of Pakistan Society for Microbiology on 25-28 March, 2015, organized by Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore.
51. **Dr. Muhammad Faisal** attended one day seminar “Quality Assurance in Education” organized by IQTM, University of the Punjab, Lahore on 3rd April, 2015.
52. **Dr. Muhammad Faisal** attended one day symposium “Diversity in Microbiology: A cross talk” organized by ASM and Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore on 17 December, 2015.
53. **Dr. Nazia Jamil Attended and Participated in 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015.**



54. **Dr. Nazia** Attended and Participated in One day Symposium organized by Microbiology & Molecular Genetics, University of the Punjab, Pakistan on Emerging Issues of Multidrug Resistance: A Threat to the Globe, 2nd October 2014. 2ND Prize on Research Poster Presentation.
55. **Dr. Nazia Jamil** attended one day seminar "Quality Assurance in Education" organized by IQTM, University of the Punjab, Lahore on 3rd April, 2015.
56. **Dr. Nazia Jamil attended**, April 03, 2015. **Quality Assurance in Education**. Organized by Quality Enhancement Cell in collaboration with PIQC institute of Quality.
57. **Dr. Nazia Jamil attended**, is **Member of Organizing Committee**: 10th International Biennial Conference of Pakistan Society of Microbiology (**PSM10**): **Exploring Microbes for Future Endeavors** at University of the Punjab, Lahore-Pakistan.
58. **Dr. Nazia Jamil attended**, January 11-12, 2015, International Conference on Chemical, Food and Environment Engineering (ICCFEE, 15) organized by International Accademy of Art, Sciences & Technology at **Dubai, UAE**.
59. **Dr. Nazia Jamil attended**, one day Post Conference seminar on "**Beyond the Fringe: when Science moves from innovative to nonsense**" by **Prof. Dr. Simon Silver**, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 30, 2015.
60. **Dr. Nazia Jamil attended**, one day Post Conference seminar on "**Out of Africa: Human genome diversity and Migration over the last 70,000 years**" by **Prof. Dr. Simon Silver**, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 31, 2015.
61. **Dr. Nazia Jamil attended**, one day Post Conference seminar on "**Writing and Publishing a Scientific Manuscript: Radical Changes are now happening**" by **Prof. Dr. Simon Silver**, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 01, 2015.
62. **Dr. Nazia Jamil attended**, one day Post Conference seminar on "**Mega viruses**" by **Prof. Dr. Simon Silver**, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 02, 2015.
63. **Dr. Nazia Jamil attended**, Lecture on "**An Introduction to Fire Drill**" organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, January 21, 2015.
64. **Dr. Nazia Jamil attended** and **Member of Organizing Committee**: Two days Pre-Conference workshop on "**Parasitology and its Immunological Aspects**" organized by Department of Microbiology and Molecular Genetics, at University of the Punjab Lahore-Pakistan, February 14-15, 2015.
65. **Dr. Abdul Rehman** participated as Member of Organizing Committee in one day symposium on "**Emerging Issues of Multidrug Resistance: A Threat to the Globe**" organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore (October 2, 2014).



66. **Dr. Abdul Rehman** attended and presented research work in 35th Pakistan Congress of Zoology (International) held at Centre of Excellence in Marine Biology, University of Karachi, Karachi, on March 1-04, 2015.
67. **Dr. A. Rehman** attended and presented research work in 10th Biennial International Conference of Pakistan Society for Microbiology "**Exploring Microbes for Future Endeavours**" held at Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on March 25-28, 2015.
68. **Dr. Abdul Rehman** attended One day seminar on "**Quality Assurance in Education**" offered by Quality Enhancement Cell in collaboration with PIQC Institute of Quality, University of the Punjab, Lahore, on April 3, 2015.
69. **Dr. Abdul Rehman** attended One day workshop on "**Eukaryotic Cell Culture Techniques**" offered by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on April 28, 2015.
70. **Dr. Abdul Rehman** attended One day workshop on "**Western Blotting**" offered by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, on May 5, 2015.
71. **Dr. Basharat Ali** presented research work titled "*Co-inoculation of *Streptomyces* and *Bacillus* enhanced *in vitro* auxin production and growth of *Triticum aestivum* L.*" in 17th International conference on the Biology of Actinomycetes (ISBA 17), held from 8-12th October, 2014, in Kussadasi, Turkey.
72. **Dr. Basharat Ali** presented work titled "*Phylogenetic diversity and agricultural applications of auxin producing rhizobacteria*" in 10th Biennial International Conference of Pakistan Society for Microbiology, at department of Microbiology and Molecular Genetics, University of the Punjab, from 25-28 March, 2015.
73. **Dr. Basharat Ali** attended "*Biosafety Awareness Workshop*" organized by Pakistan Biological Safety Association in collaboration with NIH and ICLS at Pakistan Academy of Sciences, Islamabad from 27-29 August, 2015.
74. **Dr. Basharat Ali** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, Dec, 15-19, 2014.
75. **Dr. Imran Sajid** organized: 3rd In-Service Faculty Training Program at University of the Punjab in collaboration with Learning Innovation Division (LID), HEC, 17-21, November, 2014.
76. **Dr. Imran Sajid** participated in "*Indigenous on campus faculty training program*, organized by university of the Punjab, at Institute of Administrative Sciences, December, 15-19, 2014.
77. **Dr. Imran Sajid** participated and gave oral presentation in "*10 International Biennial Conference of Pakistan Society for Microbiology*" held on 25-28 March, 2015 at Lahore, Pakistan.



78. **Dr. Imran Sajid** participated in ASMCUE-2015 Leadership Program for International Microbiology Educators Organized by American Society for Microbiology (ASM), on 28-31 May, 2015 at Austin, Texas, USA.
79. **Dr. Imran Sajid** participated and gave oral presentation in “World Congress and Expo on Applied Microbiology” held on 18-20 August, 2015 at Frankfurt, Germany.
80. **Dr. Shafiq ur Rehman** attended “3rd Faculty Training Programme at University of the Punjab”, held at MMG department, University of the Punjab Lahore on 17-21 Nov, 2014.
81. **Dr. Shafiq ur Rehman** attended “Indigenous on Campus Training Programme for Management Team” held at University of the Punjab Lahore on 15-19 December, 2014.
82. **Dr. Shafiq ur Rehman** participated and gave oral talk in “2nd Middle East Molecular Biology Congress 2015” held on 17-20 September 2015 at Istanbul, Turkey.
83. **Dr. Shafiq ur Rehman** participated and gave oral presentation in “10 International Biennial Conference of Pakistan Society for Microbiology” held on 25-28 March, 2015 at Lahore, Pakistan.
84. **Dr. Zaigham** organized and given a talk on Biosafety and animal handling in one day “Workshop on Biosafety & Risk Assessment”, 19th April, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
85. **Dr. Zaigham** Participated in “Biosafety Training Workshop For Young Scientists”, 06th June, 2015 held at Institute of Biochemistry and Biotechnology, University of the Punjab, Lahore Pakistan in Collaboration with AAS and NAYS
86. **Dr. Zaigham** Presented poster Titled, “Isolation and characterization of bacteriophages against mastitis causing *S. aureus*” in Asian Buffalo Congress, 2015 held at Istanbul, Turkey (April 21-25).
87. **Dr. Zaigham** Participated and organized 10th Biennial International Conference of PSM “Exploring microbes for future endeavours”, 25-28 March, 2015 held at Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan in collaboration with ASM and University of the Punjab, Lahore Pakistan.
88. **Dr. Zaigham** Participated and organized two days workshop on „Parasitology and its immunological aspects“, 13-14 February, 2015 held at Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
89. **Dr. Rida Batool** attended One day Symposium on “Emerging Issues of Multidrug Resistance: A Threat to the Globe” organized by Department of Microbiology and Molecular Genetics, at Al Raazi Hall, Centre for undergraduate studies, University of the Punjab Lahore-Pakistan, October 2, 2014.
90. **Dr. Rida Batool was Member of Organizing Committee:** Two days Pre-Conference workshop on “Parasitology and its Immunological Aspects” organized by Department of Microbiology and Molecular Genetics, at University of the Punjab Lahore-Pakistan, February 14-15, 2015.



91. **Dr. Rida Batool** was *Member of Organizing Committee*: 10th International Biennial Conference of Pakistan Society of Microbiology (PSM10): Exploring Microbes for Future Endeavors at University of the Punjab, Lahore-Pakistan from March 25-28, 2015.
92. **Dr. Rida Batool** attended one day Post Conference seminar on “Beyond the Fringe: when Science moves from innovative to nonsense” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 30, 2015.
93. **Dr. Rida Batool** attended one day Post Conference seminar on “Out of Africa: Human genome diversity and Migration over the last 70,000 years” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, March 31, 2015.
94. **Dr. Rida Batool** attended one day Post Conference seminar on “Writing and Publishing a Scientific Manuscript: Radical Changes are now happening” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 01, 2015.
95. **Dr. Rida Batool** attended one day Post Conference seminar on “Mega viruses” by Prof. Dr. Simon Silver, University of Illinois, USA organized by Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, April 02, 2015.
96. **Dr. Nageen Hussain** attended Familycon 2015 Gynae workshop as well as the conference from 9-11 January 2015.
97. **Dr. Nageen Hussain** attended in “10th Biennial International Conference of Pakistan Society for Microbiology, Exploring Microbes for Future Endeavours” (MMG, University of the Punjab Lahore and American Society for Microbiology) the University of the Punjab, Lahore, Pakistan (25-28 March, 2015).
98. **Dr. Nageen Hussain** was the focal person of workshop Parasitology and its immunological aspects from 13-14 February, 2015
99. **Dr. Nageen Hussain** presented a poster in 4th international conference of OMICS at Houston USA from 28-30 Sept, 2015. Dr. Saba Riaz Attended workshop. “Dermatology” 25th Annual International Conference on Family Medicine Familycon 2015, 9-10-11 January, 2015. Pearl Continental, Lahore.
100. Dr. Saba Riaz Attended and organized. Two days pre-conference workshop on Parasitology and its Immunological aspects 13-14 February, 2015.
101. **Dr. Saba Riaz** Member of organizing committee: 10th Biennial International Conference of Pakistan Society of Microbiology. Exploring Microbes for future endeavours 25 to 28 March 2015.
102. **Dr. Saba Riaz** Annual Scientific symposium Mohtharma Benazir Bhutto Shaheed Medical College 17-19 April, 2015
103. **Dr. Saba Riaz** Attended Workshop: Mohtharma Benazir Bhutto Shaheed Medical College 17 April 2015



104. **Dr. Saba Riaz** Attended: 14th International conference of Psychology 19-21 March 2015
105. **Dr. Saba Riaz** Attended: Workshop on Nanosciences and Nanotechnology Organized by Nano-chemistry Lab, GC University Lahore. 27 August, 2015
106. **Dr. Saba Riaz** Participated by student presentation: 10th Biennial International Conference of Pakistan Society of Microbiology Antibiotic Susceptibility Profile and Horizontal Gene Transfer in *Pseudomonas* sp. isolated from Clinical Specimens Best Poster Award .
107. **Dr. Saba Riaz** .Attended Conference. 25th Annual International Conference on Family Medicine Familycon 2015, 9-10-11 January, 2015. Pearl Continental, Lahore.
108. **Dr. Saira Malik** organized, attended and co-chaired a session in 10th Biennial international conference of Pakistan Society of Microbiology; Exploring Microbes for Future Endeavours. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. March, 25-28, 2015.
109. **Dr. Saira Malik** attended a workshop on Nanoscience and Nanotechnology. Nano-Chemistry lab, Government college University, Lahore. August, 27, 2015.
110. **Dr. Saira Malik** attended a workshop on Research Design for Diagnostic Studies. University of Health Sciences, Lahore. November, 5, 2015
111. **Dr. Nousheen Zaidi** presented at Society for Immunotherapy of Cancer - 30th Anniversary Annual Meeting, National Harbor, Maryland, USA, November 2015.
112. **Dr. Nousheen Zaidi** attended in "10th Biennial International Conference of Pakistan Society for Microbiology, Exploring Microbes for Future Endeavours" (MMG, University of the Punjab Lahore and American Society for Microbiology) the University of the Punjab, Lahore, Pakistan (25-28 March, 2015).
113. **Dr. Nousheen Zaidi attended series of lectures by Prof. Dr. Simon Silver.** Department of Microbiology and immunology. University of Illinois, Chicago. 1). Beyond the Fringe: When Science Moves from Innovative to Nonsense. 30,March,2015; 2) Out of Africa: Human Genome Diversity and Migration Over the Last 70,000 Years 31,March,2015; 3)Writing and Publishing a Scientific Manuscript: Radical Changes are now Happening. 01 April,2015; 4) Mega viruses. 02 April,2015.
114. **Dr. Nousheen Zaidi** organized One day workshop on **Eucaryotic cell culture techniques** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 28 April, 2015.
115. **Dr. Nousheen Zaidi** organized one day workshop on **Western blotting** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.5th May 2015.
116. **Dr. Mehboob Ahmed** Attended Symposium on "Emerging issues of multidrug resistance: A Threat to the Globe", Department of Microbiology and Molecular Genetics, The University of Punjab, Lahore (2nd October, 2014)



117. **Dr. Mehboob Ahmed** Attended One-Day Workshop on “Advances in Bioinformatics in the Post Genomic Era” organized by National center for Bioinformatics (NCB) Quaid-I-Azam University, Islamabad (6th November 2014)
118. **Dr. Mehboob Ahmed** Attended 2nd International Conference on “Biotechnology for Sustainable Development”, By Institute of Industrial Biotechnology, GC University, Lahore- (26-28 November, 2014)
119. **Dr. Mehboob Ahmed** Presented in “ASM-IIDRL Silver Jubilee Symposium on “Immunogenomics, Vaccinology and Infectious Disease Challenges”, Marriot Hotel, Karachi (27-28 November, 2014)
120. **Dr. Mehboob Ahmed** Attended International Workshop on “Bioinformatics: Ensembl Database Mining and Whole Genome Sequencing Analyses”, By COMSTECH, COMSTECH Secretariat, Islamabad (16-18 December, 2014)
121. **Dr. Mehboob Ahmed** Attended Five days Indigenous On-campus Training Program by University of the Punjab, Lahore and Higher Education Commission (HEC) Pakistan (22 – 26 December, 2014)
122. **Dr. Mehboob Ahmed** Presented in two day pre-conference workshop on “Parasitology and its Immunological Aspects”, Department of Microbiology and Molecular Genetics, The University of Punjab, Lahore (13 – 14 February, 2015)
123. **Dr. Mehboob Ahmed** Organized 10th Biennial International Conference of Pakistan Society for Microbiology, Department of Microbiology and Molecular Genetics, The University of Punjab, Lahore (25 – 28 March, 2015)
124. **Dr. Mehboob Ahmed** Presented in Second Annual Scientific Symposium of Mohtarma Benazir Bhutto Shaheed Medical College, Mirpur AJ&K (17 – 19 April, 2015)
125. **Dr. Mehboob Ahmed** Presented in Two-days Training and Symposium on “Bioinformatics as a Tool for Biological Studies”, Department of Zoology, University of Azad Jammu and Kashmir, Muzaffarabad, AJ&K (27 - 28 May, 2015)
126. **Dr. Mehboob Ahmed** Conducted Training Session on Turnitin® Anti Plagiarism Tool for Faculty members and PhD Scholars in The Women University Multan, Multan (12 June, 2015)
127. **Dr. Mehboob Ahmed** Delivered Lecture on “Bioinformatics: Role in Identifying Organisms” in The Women University Multan, Multan (12 June, 2015)
128. **Dr. Mehboob Ahmed** Attended Biosafety Awareness Workshop by Pakistan Biological Safety Association (PBSA) in collaboration with the Fogarty International Center (FIC) of the US National Institutes of Health, Pakistan Academy of Sciences (PAS) and International Council for the Life Sciences (ICLS), Pakistan Academy of Sciences, Islamabad (27 – 29 August, 2015)
129. **Ms. Warda Fatima** Attended One day Symposium on Emerging Issues of Multidrug Resistance: A Threat to the Globe at Department of Microbiology and Molecular Genetics, University of the Punjab on Oct, 02, 2014



130. **Ms. Warda Fatima** participated in international conference on Emerging trends in life sciences for sustainable development at Forman Christian College, Lahore From Oct 9 to 11, 2014.
131. **Ms. Warda Fatima** Attended 1st Joint PAP/RCPATH/AMP Conference on Molecular Pathology held from 24th-26th November, 2014 at Pearl Continental Hotel, Lahore.
132. **Ms. Warda Fatima** member organizing committee: two days pre-conference workshop on „Parasitology and its immunological aspects“ at Department of Microbiology and Molecular Genetics, University of the Punjab on Feb, 13th-14th, 2015.
133. **Ms. Warda Fatima** participated in Consensus building workshop on bio risk management guidelines at institute of public health on March 3, 2015
134. **Ms. Warda Fatima** Member of organizing committee: 10th Biennial International Conference of Pakistan Society of Microbiology. Exploring Microbes for future endeavours 25 to 28 March 2015.
135. **Mrs. Shabana** Attended and presented poster in 1st Joint PAP/RCPATH/AMP Conference on Molecular Pathology held from 24th-26th November, 2014 at Pearl Continental Hotel, Lahore.
136. **Mrs. Shabana** Attended One day Symposium on Emerging Issues of Multidrug Resistance: A Threat to the Globe at Department of Microbiology and Molecular Genetics, University of the Punjab on Oct, 02, 2014.
137. **Mrs. Shabana** gave Oral presentation entitled „Effect of six type 2 diabetes susceptibility loci and the *FTO* variant rs9939609 on Obesity in Pakistani Obese subjects“ at 10th Biennial International conference of Pakistan Society for Microbiology, Exploring microbes for future endeavors, March 25-28, 2015
138. **Mrs. Shabana** gave Poster presentation entitled (Association of leptin receptor Gln223Arg polymorphism with lipid profile in obese Pakistani subjects“ at 10th Biennial International conference of Pakistan Society for Microbiology, Exploring microbes for future endeavors, March 25-28, 2015.
139. **Mrs. Shabana** Attended two days pre-conference workshop on „Parasitology and its immunological aspects“ at Department of Microbiology and Molecular Genetics, University of the Punjab on Feb, 13th-14th, 2015
140. **Muhammad Zeeshan Akbar** Attended 1st World Internet Conference Wuzhen, China (18th-21st November, 2014)
141. **Muhammad Zeeshan Akbar** Attended “10th Biennial International Conference of Pakistan Society for Microbiology, Exploring Microbes for Future Endeavours” (MMG, University of the Punjab Lahore and American Society for Microbiology) the University of the Punjab, Lahore, Pakistan (25-28 March, 2015).
142. **Muhammad Zeeshan Akbar** Presented in an International Conference for Arts, Social Work and Education held at Bangkok, Thailand (April 21st-22nd, 2015).



143. **Ms. Ammara Khalid** Participated in *1st joint PAP/Path/AMP Conference* (November 22-24, 2014)
144. **Ms. Ammara Khalid** as Member organizing committee in *Symposium on Emerging issues of Multidrug Resistance* in Department of Microbiology and Molecular genetics, University of the Punjab (October 2, 2014)
145. **Ms. Ammara Khalid** as Poster presenter in *10th Biennial International Conference of Pakistan Society of Microbiology* held by Department of Microbiology and Molecular genetics, University of the Punjab (March 25-28, 2015)
146. **Ms. Ammara Khalid** as Member organizing committee in *10th Biennial International conference of Pakistan Society of Microbiology* held by Department of Microbiology and Molecular genetics, University of the Punjab (March 25-28, 2015)
147. **Ms. Ammara Khalid** as Member organizing committee in *Workshop on Parasitology and its Immunological Aspects* held by Department of Microbiology and Molecular genetics, University of the Punjab (February 13-14, 2015).
148. **Dr. Yasir Rehman** Participated in “Emerging Issues of Multidrug Resistance: A Threat to the Globe”, October 2, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
149. **Dr. Yasir Rehman** Organized one day “Technospark” event on 29-30th November, 2014. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
150. **Dr. Yasir Rehman** Presented Talk entitled “Arsenic resistance, reduction and adsorption by *Enterobacter*, *Klebsiella* and *Aeromonas* species isolated from industrial areas of Punjab, Pakistan” in “Asian Conference on Engineering & Natural Sciences (ACENS)”, 03-05 February, 2015, Tokyo, Japan.
151. **Dr. Yasir Rehman** Organized two days Workshop on “Parasitology & Its Immunological Aspects”, 13-14 February, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
152. **Dr. Yasir Rehman** Organized and acted as **Secretary** of “10th Biennial Conference of Pakistan Society for Microbiology”, 25-28 March, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
153. **Dr. Yasir Rehman** Presented Talk entitled “Effects of arsenic and chromium on functional gene pool of microbial communities” in “10th Biennial Conference of Pakistan Society for Microbiology”, 25-28 March, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.
154. **Dr. Yasir Rehman** Organized and acted as **Focal Person** of “One Day Workshop on Ethical Challenges in Medical Research”, 23rd May, 2015. Department of Microbiology & Molecular Genetics, University of the Punjab, Lahore Pakistan.



Research Journals

1. Department is going to launch new research journal, "Pakistan Journal of Microbiology and Molecular Genetics", approved by board of studies MMG and in process.
2. Dr Zakia Latif is member of technical editorial board of journal "Advancement in Life Sciences"
3. Dr. Saira Malik is a member of Elsevier Publishing campus.
4. Dr Nageen Hussain is member of WASET editorial review board
5. Dr Nageen Hussain is co-editor of International journal of health sciences

RESEARCH COLLABORATION

o Indigenous

1. The University of Lahore (UOL).
2. Dr. Atiqah Ambreen, Department of Microbiology, Gulab Devi Chest Hospital Lahore.
3. Dr. Khalid Mehmood, College of Medicine & Dentistry University of Lahore and Citilab and Research Centre Lahore
4. Dr. Saqib Mahmood, Department of Human Genetics & Molecular Biology, University of Health sciences, Lahore, Pakistan
5. Gulab Devi Chest Hospital Lahore.
6. Citilab and Research Centre Lahore.
7. Allama Iqbal Medical College
8. Plastic Surgery Hospital, Moulana Shaukat Ali Road, Lahore

o Foreign Linkages

1. TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South. MMG Department is a part of this scheme.
2. 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
3. Research collaboration and linkage with Drugs Discovery Division, Department of Pharmaceutical Sciences, College of Pharmacy, University of Kentucky, USA
4. Prof. Dr. Graham Pavitt: Faculty of Life Sciences, University of Manchester, UK
5. Prof. Dr. Stanley J. Opella: Department of Chemistry and Biochemistry, University of California, San Diego, Natural Science Building, Room 3121, 9500 Gilman Drive, MC 0307 La Jolla, CA 92093-0307 USA



6. Dr. Cabaleiro Sobrino Cristina: Department of Crop Production, High Polytechnic School Lugo Campus University of Santiago de Compostela, 27002-Lugo, Spain.
7. Dr. Lisa Scanduzzi, Albert Einstein College of Medicine, New York, USA.
8. Dr. Hubert Kalbacher, Eberhard Karls University, Tübingen, Germany.
9. Dr. Jonathan K Ball, Virus research Laboratory, School of Molecular Medical Sciences, University of Nottingham, UK
10. R. Brooks Robey, MD - Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
11. Dr. Muhammad Ayub, Queen's University, Kingston, Department of Psychiatry, Queen's University, Kingston, Canada.
12. Dr. Johannes V. Swinnen- Laboratory of Lipid Metabolism and Cancer, Department of Oncology, Faculty of Medicine, KU Leuven, Leuven, Belgium
13. R. Brooks Robey, MD - Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
14. Department of Biology, Colorado State University, Fort Collins, Colorado 80523-1878, USA.
15. 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).
16. Nancy Kuemmerle, MD- Research and Development Service (405/151), VA Medical Center, 215 North Main Street, White River Junction, VT 05009-0001, USA.
17. Dr. Hubert Kalbacher - Medical and Natural Sciences Research Centre. Eberhard Karls University, Tübingen, Germany
18. Dr. Jonathan K Ball, Professor, University of Nottingham, UK
19. Dr. Arvind Patel, Honorary lecture, Medical Research Council, University of Glasgow, UK
20. Dr. Jean Dubuisson, Center for Infection & Immunity of Lille (CIIL), Inserm U1019, CNRS UMR8204, Univ Lille Nord de France
21. Dr. Mansun Law, CSripps Research institute, Department of Immunology and Microbial Science, California Campus, US
22. Dr. Mats A. Persson, Molecules of Man AB, Mossvägen 12, Sweden
23. Steven Fong, Professor, Stanford University Blood Center, Hillview Avenue, Palo Alto, CA.
24. The Emerging Nations Science Foundation, Viale Miramare 129, Trieste, Italy.
25. Robert Thomas Bachmann, Universiti Kuala Lumpur. Malaysian Institute of Chemical and Bioengineering Technology. Lot 1988 Taboh Naning, 78000 Alor Gajah Melaka, Malaysia.



26. University of Oklahoma, Norman OK, USA
27. School of Veterinary Science, University of Nottingham, UK.
28. FC college Lahore
29. GC University Lahore.

o **Funding grants for R&D (For the year 2014-15)**

Sr.No	Name	Grant	Sponsoring Agency
1	Prof. Dr Anjum Nasim Sabri	Rs.250,000	University of the Punjab
2	Prof. Dr Anjum Nasim Sabri	Rs.8,00,000	Special grant University of the Punjab
3	Prof. Dr. Sikander Sultan	Rs.200,000	University of the Punjab
4	Dr Zakia Latif	Rs.200,000	University of the Punjab
5	Dr Muhammad Faisal	Rs.1,50,000	University of the Punjab
6	Ms Tahira Malik	Rs.150,,000	University of the Punjab
7	Dr Nazia Jamil	Rs.1,50,000	University of the Punjab
	Dr Nazia Jamil	10000 USD	IFS
8	Dr Abdul Rehman	Rs.1,50,000	University of the Punjab
9	Dr Abdul Rehman	Rs. 1.490 million	PSF
10	Dr. Basharat Ali	Rs.1,50,000	University of the Punjab
11	Dr. Basharat Al	Rs. 36, 94, 260.	HEC
12	Dr.Imran Sajid	PKR 8.90 million	HEC
13	Dr.Imran Sajid	Rs.1,50,000	University of the Punjab
14	Dr Shafiq-ur Rehman	Rs.1,50,000	University of the Punjab
15	Dr Shafiq-ur Rehman	PKR 0.4998 million	HEC



16	Dr. Zaigham Abbas	Rs.1,50,000	University of the Punjab
17	Dr. Zaigham Abbas	PKR 0.49164 million	HEC
18	Dr Rida batool	Rs.1,50,000	University of the Punjab
19	Dr Saba Riaz	Rs. 495,000	HEC
20	Dr Saba Riaz	Rs.1,50,000	University of the Punjab
21	Dr Saira Malik	Rs.1,50,000	University of the Punjab
22	Dr Samreen Raiz	Rs.1,50,000	University of the Punjab
23	Dr Nageen Hussain	Rs.1,50,000	University of the Punjab
24	Dr Mehboob Ahmed	Rs.1,50,000	University of the Punjab
25	Ms Warda Fatima	Rs.1,25,000	University of the Punjab
26	Ms Shabana	Rs.1,25,000	University of the Punjab
27	Dr Yasir Rehman	Rs.1,50,000	University of the Punjab
28	Dr Yasir Rehman	Rs 2,50,000	PU special research grant
29	Mr Zeeshan Akbar	Rs.1,25,000	University of the Punjab
30	Ms Ammara	Rs. 3,00,000	PU special research grant

INSTITUTE OF AGRICULTURAL SCIENCES

○ R&D – An Overview (5-10 lines)

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

- 2011-17, 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 Punjab University Lahore. Rs. 150000/-

Dr. Tehmina Anjum, Assistant Professor

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

Dr. 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. Shakil Ahmed, Assistant Professor

- Prevalence, occurrence and distribution of chilli anthracnose disease in major chillies growing areas of Punjab. Awarded by University of the Punjab.

Dr. Shazia Shafique, Assistant Professor

- 2012-13. Defense response of selected Eucalyptus species against *Fusarium oxysporum* – cause of wilt in chili. 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. Amna Shoaib, Assistant Professor

- 2011-2012: Working as Principal investigator in the project entitled Characterization of metallothionein (MTA) gene expression in *Pisum sativum* L simultaneously growing under wilt and Cu-stressed condition. Support of Academic Research, Punjab University, Pakistan.

Dr. Uzma Bashir, Assistant Professor

- Morphological and Molecular characterization of economically important fungal species. Funded by academic research, University of the Punjab, Lahore, Pakistan.

Dr. Muhammad Bilal Chattha, Assistant Professor

- 2012: Improving the Germinability and Vigor Enhancement of Sunflower (*Helianthus annuus* L.) Hybrid Seed under Varying Temperatures through Seed Priming. Awarded by (Higher Education Commission of Pakistan.)

Dr. Rashid Mahmood, Assistant Professor

- 2012-13: Evaluation of weeds extracts in nitrification inhibition and uptake of synthetic nitrogen for yield enhancement of maize) Awarded by HEC.

Miss Shabnam Javed, Lecturer

- 2008-ongoing "HERBAL HERITAGE GARDEN "Working as Incharge of mega project of Institute of Agricultural Sciences "Herbal Heritage Garden" since 2008 Awarded by University of the Punjab.

Ms. Sana Hanif, Lecturer

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

Mr. Muhammad Shafiq, Lecturer

- Co-Principal Investigator of project entitled "Haunglongbing in Pakistan" funded by HEC

Mr. Adnan Zahid, Lecturer

- Co-Principal-Investigator, "Improving Germinability and vigor enhancement of sun flower (*Helianthus annuus* L.) Hybrid seed under varying temperatures through seed priming" during 2012 funded by Higher education commission (0.5million).



(ii) **Newly launched**

Dr. M. Saleem Haider, Professor & Director

- Investigation of in Planta Accumulation and Localization of cotton leaf curl Kokhran virus (CLCuKoV) at tissue and cellular level. Awarded by University of the Punjab.

Dr. Salik Nawaz Khan, Assistant Professor

- Geographical Distribution and genetic characterization of Macrophomina phaseolina associated with stalk rot of maize in different maize growing areas of Punjab. Awarded by University of the Punjab.

Dr. Tehmina Anjum, Assistant Professor

- Elicitation of biochemical, historical and molecular basis of resistance in tomato against Fusarium wilt. Awarded by University of the Punjab.

Dr. Arshad Javaid, Assistant Professor

- Introduction of resistance in black gram against Macrophomina phaseolina through soil amendment with dry biomass of Seschus oleraceus L. Awarded by University of the Punjab.

Dr. Amna Shoaib, Assistant Professor

- Biological control efficiency of Trichoderma spp. Against Sclerotium rolfsii. Awarded by University of the Punjab.

Dr. Uzma Bashir, Assistant Professor

- Effect of secondary metabolites and related enzymes in Sclerotium wilt of chilli. Awarded by University of the Punjab.

Dr. Shazia Shafique, Assistant Professor

- Protein Profile of tomato, induced by pathogenic and non-pathogenic fungal species. Awarded by University of the Punjab.

Dr. Sobiya Shafique, Assistant Professor

- Determination of biochemical interaction in tomato, caused by pathogenic and biochemical infections of microbes. Awarded by the University of the Punjab.

Dr. Muhammad Ashfaq, Assistant Professor

- Screening of potential DNA resistant markers associated with rice grain discoloration disease. Awarded by University of the Punjab.

Dr. Muhammad Bilal Chattha, Assistant Professor

- Improving water use efficiency through gated pipe technology (hydro flume) using different irrigation methods and water levels for hybrid maize (Zea Mayas L.). Awarded by University of the Punjab.



Dr. Rashid Mahmood, Assistant Professor

- Urease activity of soil for humic acid and sulfur coated urea. Awarded by University of the Punjab.

Dr. Muhammad Nasir Subhani, Assistant Professor

- In-Vitro efficacy of fungicides and botanicals against red rot of sugarcane incited by *Colletorticum falcatum*. Awarded by University of the Punjab.

Dr. Naureen Akhtar, Assistant Professor

- Isolation and characterization of leaf spot causing fungal pathogens. Awarded by University of the Punjab.

Dr. Shinawar Waseem Ali, Assistant Professor

- Analysis of pesticide residues on seasonal fruits being sold in local markets or Lahore City. Awarded by University of the Punjab.

Malik Fiaz Hussain Ferdosi, Assistant Professor

- Isolation and characterization of the Essential oil from “Afcan Marigold”, *Tagetes Erecta* L. Awarded by University of the Punjab.

Dr. Hafiz Azhar Ali, Assistant Professor

- Monitoring susceptibility of field strains of stored product insect pests to spinosad, a biorational insecticide. Awarded by University of the Punjab.

Dr. Muhammad Shafiq, Assistant Professor

- Establishment of disease free guava nursery plants using micro-propagation techniques. Awarded by University of the Punjab.

Dr. Nasir Ahmad, Assistant Professor

- Exploration of raw potato starch digesting properties of newly characterized glycosyl hydrolase. Awarded by University of the Punjab.

Dr. Sajid Ali, Assistant Professor

- Post-emergence herbicide affect of yield and quality of wheat (*Triticum aestivum* L.). Awarded by University of the Punjab.

Dr. Zaheer Hussain, Assistant Professor

- Molecular epidemiology of buffalo pox virus. Awarded by University of the Punjab.

Dr. Muhammad Ali, Assistant Professor

- The role of phscio-morphological and bio-chemical plant characters of Okara (*Abelmoschus esculentus* L.) (Ishida) in Punjab. Awarded by University of the Punjab.



Ms. Zille-e-Huma, Lecturer

- Comparative studies on purification of lignin peroxidases isolated from mushrooms collected from different areas of Lahore. Awarded by University of the Punjab.

Ms. Qurat-ul-Ain Farooq, Lecturer

- Establishment of protocol for multiplication of olive through tissue culture technique. Awarded by University of the Punjab.

Ms. Mehreen Hassan, Lecturer

- Sequestered standing carbon stock in selective tree species grown in the New Campus of University of the Punjab Lahore Pakistan. Awarded by University of the Punjab.

Mr. Adnan Zahid, Lecturer

- Accumulation and remobilization of N-P levels in mungbean (*Vigna radiata* L.). Awarded by University of the Punjab.

Mr. Moazzam Anees, Lecturer

- Metabolomic and microbial profiling of Guava (*Psidium guajava* L.) fruits for quality factors and microbial stability. Awarded by University of the Punjab.

○ **Publications**

Books/Edited

Dr. Arshad Javaid, Assistant Professor

- Bashir A, Javaid A (2014). Management of Fusarium Wilt Pathogen of Tomato: *Trichoderma* spp. and radish extracts as antifungal agents against *Fusarium oxysporum* f. sp. *lycopersici*. Lambert Academic Publishers, Germany. ISBN: 978-3-8484-1856-5.
- Afzal L, Javaid A, Shoaib A (2015). Management of Macrophomina Root Rot of Mungbean: Use of *Trichoderma harzianum* and *Sisymbrium irio* as natural antifungal agents. Lambert Academic Publishers, Germany. ISBN: 978-3-659-62229-8.
- Khan IH, Javaid A (2015). Management of Rot Disease of Chickpea: Use of fungicides and dry biomass of Meliaceae plants to control *Sclerotium rolfsii*. Lambert Academic Publishers, Germany. ISBN: 978-3-659-29793-9.

Dr. Muhammad Ashfaq, Assistant Professor

- Urooj M, Ashfaq M, and Saleem H, (2014). Comparison of Pedagogical Techniques Used in Public and Private Schools. LAP Lambert Academic Publishing ISBN 978-3-659-61166-7. Germany.



- Urooj M, Ashfaq M, and Saleem H, (2014). Causes of Student Failure in Mathematics at Secondary Level. LAP Lambert Academic Publishing ISBN 978-3-659-63899-2. Germany.
- Miracles of Action Research. LAP Lambert Academic Publishing ISBN 978-3-659-66363-5, Germany.

Conferences, Seminars and Workshops, etc.

Dr. M. Saleem Haider, Professor & Director

- Attended and presented paper titled “Molecular characterization and pathogenicity of *Cucurbita pepo* infecting new variant of tomato leaf curl palampur virus in Pakistan” in the 34th Annual Meeting of the ASV, held from 11-15 July 2015 at Western University, London, Ontario, Canada.
- Attended Plant & Animal Genome (PAG XXIII) Conference, held in San Diego, CA, USA, from 10th to 14th January, 2015.

Dr. Tehmina Anjum, Assistant Professor

- Poster presented on “Control of post-harvest decay in citrus through plant essential oils” in 2nd International conference on Biotechnology on sustainable development organized by Institute of Industrial biotechnology, GC University, Lahore, Pakistan between, November 26 – 28, 2014. Page # 95.

Dr. Arshad Javaid, Assistant Professor

- **Javaid A**, Akbar M (2014). Isolation of a Herbicidal Constituent from Culture Filtrates of *Drechslera hawaiiensis* for Management of *Rumex dentatus*. In: International Conference on Agriculture, Biology and Environmental Sciences, December 8-9, 2014 at Bali, **Indonesia**.
- **Javaid A**, Akbar M, Ahmad E (2015). Management of *Rumex dentatus* by fungal metabolites. In: 5th International and 12th National Conference of the Weed Science Society of Pakistan, June 12-14, 2015, at Shaheed Benazir Bhutto University, Sheringal, Dir Upper, Khyber Pakhtunkhwa, Pakistan.
- **Javaid A**, Afzal L, Shoaib A (2015). Biological control of charcoal rot of mungbean by *Trichoderma harzianum* and shoot dry biomass of *Sisymbrium irio*. In: 18th International Plant Protection Congress, August 24-27, 2015, Henery Ford Bau, Berlin, **Germany**.
- Khan IH, **Javaid A** (2015). Use of neem leaves as soil amendment for control of collar rot disease of chickpea. In: 4th International Molecular Biology and Biotechnology Congress. Conference on Life Sciences Research – 2015. September 04-06, 2015, Al-Nafees Medical College, Isra University, Islamabad.



Dr. Amna Shoaib, Assistant Professor

- One-day Training Workshop on Western Blotting, 5th May, **2015**. Department of Microbiology and Molecular Genetics, University of the Punjab Lahore, PAKISTAN.

Dr. Uzma Bashir, Assistant Professor

- Workshop on western blotting, 5th, May **2015** in tumor metabolism research lab at MMG, PU, and Lahore.
- **Uzma Bashir. 2015.** Fungicidal potential of aqueous and organic solvent extracts of allelopathic plants leaves against phyto-pathogenic fungi *Fusarium solani*. 18TH International Plant Protection Congress, IPPC. **Berlin. Germany** on 24-27TH August 2015
- **Uzma Bashir** and Naureen Akhtar. **2015.** Morphological and Genotypic Characterization of Different *Aspergillus* species. 10th Biennial International Conference of Pakistan Society for Microbiology (PSM10). March 25-28. Department of molecular genetics and microbiology, University of the Punjab. Lahore

Dr. Shazia Shafique, Assistant Professor

- **Shazia Shafique**, Sobiya Shafique and Aqeel Ahmed, 2014. Molecular basis of antifungal resistance in tomato varieties. In Second International Conference on Biotechnology for sustainable development, 26-28 November, 2014, GC University Lahore.

Dr. Sobiya Shafique, Assistant Professor

- **Sobiya Shafique**, Shazia Shafique and Aqeel Ahmed, 2014. *Penicillium oxalicum* directed systemic resistance in tomatoes against *Alternaria alternata*. In Second International Conference on Biotechnology for sustainable development, 26-28 November, 2014, GC University Lahore.

Dr. Muhammad Bilal Chattha, Assistant Professor

- Participated and presented research work in the 10th Biennial International Conference of Pakistan Society for Microbiology, March 25-28, 2015, at University of the Punjab, Lahore, Pakistan.
- Participated and presented the research work in the PNW Oilseeds/Direct seeds Conference 2015, January 20-22, 2015. Kennewick, WA, USA.

Dr. Rashid Mahmood, Assistant Professor

- **Mahmood, R.**, M. Yaseen. Influence of acetylene and ethylene release from calcium carbide formulations on soil nitrification; growth, yield and nitrogen economy of wheat. **Oral presentation:** International Conference on Advances in Agricultural, Biological & Environmental Sciences, October 15-16, 2014. IICBE conference Holiday Inn Dubai.



Dr. Shinawar Waseem Ali, Assistant Professor

- Sohaib Afzaal, **Shinawar Waseem Ali**, Aftab Ahmed and Rashid Mahmood. Molecular characterization of fungal species isolated from rice grains. *"International Conference on Chemical, Agricultural and Biological Sciences (CABS-2015)"*, 4-5 September 2015, Istanbul, Turkey
- Aftab Ahmed, Muhammad Umair Arshad, **Shinawar Waseem Ali**, Rashid Mahmood and Farhan Saeed. Characterization and Nutritional profiling of bittergourd (*Momordica charantia*). *"International Conference of Chemical, Agricultural and Biological Sciences (CABS-2015)"*, 4-5 September 2015, Istanbul, Turkey
- Rashid Mahmood, Muhammad Khalid Abbas, Salik Nawaz Khan, **Shinawar Waseem Ali** and Aftab Ahmed. Impact of Rate and Source of Nitrogen on Mycelial Growth and Sporulation of *Macrophomina phaseolina*. *"International Conference of Chemical, Agricultural and Biological Sciences (CABS-2015)"*, 4-5 September 2015, Istanbul, Turkey
- Abdul Jaleel, **Shinawar Waseem Ali**, Sohaib Afzaal, Bilal Younas. Database on codon preferences of wheat proteins. *"International Conference on Chemical, Agricultural and Biological Sciences (CABS-2015)"*, 4-5 September 2015, Istanbul, Turkey
- **Shinawar Waseem Ali** and Aysha Kanwal. Rapid detection of *Candida* species, causing ocular infection in Pakistani Population. *"6th Congress of European Microbiologists"*, 7-11 June 2015, Maastricht, The Netherlands.
- **Shinawar Waseem Ali**. Global Harmonization initiative (GHI): A way forward to global food safety. *"2nd International Conference on Agriculture, Food and Animal Sciences"*, 25-26 February 2015, Sindh Agriculture University Tandojam, Pakistan.
- **Shinawar Waseem Ali**, Sohaib Afzaal, Nasir Ahmad, Mohd Azam Khan and Tusneem Kausar. Oregano (*Origanum vulgare*): A valuable functional food ingredient to combat Ca & Fe deficiency. *"International Conference on Malnutrition in South Asia: The Peril Persists"*, 23-24 February 2015, BZ University Multan, Pakistan.
- **Shinawar Waseem Ali** and Sohaib Afzaal. Aflatoxins in Pakistani Foods: A Serious Threat to Food Safety. *"International Conference on Food Quality & Safety, Health & Nutrition (Nutricon 2014)"*, 27-28 November 2014, Skopje, Republic of Macedonia.
- Hina Shanakht, Ahmad Ali Shahid and **Shinawar Waseem Ali**. Characterization of Fungal Microbiota on Rice Grains From Local Markets of Lahore. *"International Conference on Food Quality & Safety, Health & Nutrition (Nutricon 2014)"*, 27-28 November 2014, Skopje, Republic of Macedonia.

Dr. Muhammad Ali, Assistant Professor

- M. Ali, M. Ashfaq, S. Ahmad, U. Mubashar, A. Ali. The evaluation of eggplant (*Solanum Melongena* L.) germplasm against jassid (*Amrasca Biguttula Biguttula* (Ishida) Resistance. XVIII International Plant Protection Congress, 24–27 August 2015 Berlin (Germany) Pp-660.



Dr. Naureen Akhtar, Assistant Professor

- Workshop on “An Introduction to Next Generation Sequencing Platform & Its Application In Agricultural Sciences” April 14, 2015 at Institute of Agricultural Sciences (IAGS) University of the Punjab Lahore Pakistan.

Dr. Muhammad Nasir Subhani, Assistant Professor

- Participated in “one day training workshop on Halal Foods” on September 01, 2015
- Participated in “The Silver Jubilee Celebrations, 25th All Pakistan Food Science Conference And Food Expo” on March 16-17 2015 at PCSIR Laboratories Complex, Ferozepur Road, Lahore

Dr. Shahbaz Ahmad, Assistant Professor

- "Entomology up North and to Asia Beyond" -the 46th AGM and Scientific Conference of the Australian Entomological Society, held in Cairns 27 - 30 September 2015.

Dr. Nasir Ahmad, Assistant Professor

- Participated in “one day training workshop on Halal Foods” on September 01, 2015
- Participated in “The Silver Jubilee Celebrations, 25th All Pakistan Food Science Conference And Food Expo” on March 16-17 2015 at PCSIR Laboratories Complex, Ferozepur Road, Lahore

Dr. Hafiz Azhar Ali, Assistant Professor

- Hafiz Azhar Ali Khan, T. Khan and S. Ali. **2015**. Persistence and toxicity of spinosad on wheat and rice grains against *Rhyzopertha dominica* and *Tribolium castaneum*. In Abstracts, International Plant Protection Conference, Berlin, Germany. 23-27 Aug. 2015.

Dr. Sajid Ali, Assistant Professor

- **Sajid Ali**, B. Honermeier, A. Fatima, H. A. A. Khan and M. Anees. **2015**. Post emergence application of herbicides alters the chlorophyll contents in artichoke (*Cynara cardunculus* L.). In Abstracts, International Plant Protection Conference, Berlin, Germany. 23-27 Aug. 2015.

Dr. Muhammad Shafiq, Assistant Professor

- workshop on “**Application of Biotechnology for cotton and other crops**” organized by National Institute for Biotechnology and Genetic Engineering Faisalabad (NIBGE), Pakistan on October 13-16 2014.
- Workshop on **use of Bioinformatics in high throughput sequencing, Genomics, proteomics and Transcriptomics** Tuesday, March 31st, 2015 at NIBGE, Faisalabad

Ms. Zill-e-Huma, Lecturer

- One day Workshop on western Blotting. 5th May, 2015. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore, Pakistan.



Research Journals

Dr. M. Saleem Haider, Professor & Director

1. Iqbal, M.J., Hussain, W., Zia-ur-Rehman, M., Hameed, U. and **Haider, M.S.** (2015). First report of chilli leaf curl virus and associated alpha- and beta-satellite DNAs infecting nettle weed (*Urtica dioica* L.) in Pakistan. *Plant Disease* (accepted and published online on 17 Nov. 2015) (**Impact Factor 3.02**)
2. Bibi, A., Shafiq, S., Arif, S. Tanveer, A., Manzoor, M.T. and **Haider, M.S.** (2015). First report of the molecular characterization of the endosymbiont *Candidatus portiera* Aleyrodidarum from cotton whiteflies collected from Pakistan. *International Journal of Agriculture & Biology*, DOI: 10.17957/IJAB/15.0083. (**Impact Factor: 0.902**).
3. Ali, M., Ali, Q., Anwer, S., Khalid, H., Ahmad, A., Ali, A., Shafiq, S., **Haider, M.S.**, Nasir, I.A. and Husnain, T. (2015). Estimation of correlation among various morphological traits of *Coronopus didymus*, *Euphorbia helioscopia*, *Cyperus difformis* and *Aristida abscensionis*. *New York Science Journal*, **8**(4): 47-52.
4. Khalid, H., Ali, Q., Anwer, S., Ali, M., Ahmad, A., Ali, A., Shafiq, S., **Haider, M.S.**, Nasir, I.A. and Husnain, T. (2015). Biodiversity and correlation studies among various traits of *Digeria arvensis*, *Cyperus rotundus*, *Digitaria adscendense* and *Sorghum halepense*. *New York Science Journal*, **8**(4): 37-42.
5. Anwer, S., Ali, Q., Ali, M., Khalid, H., Ahmad, A., Ali, A., Shafiq, S., **Haider, M.S.**, Nasir, I.A. and Husnain, T. (2015). Assessment of association among various morphological traits of *Euphorbia granulate*, *Euphorbia hirta*, *Fumaria indica* and *Parthenium hysterophorus*. *Nature and Science*, **13**(5): 47-51.
6. Ashfaq, M., Shaukat, M.S., Akhter, M., **Haider, M.S.**, Mubashar, U. and Hussain, S.B. (2015). Comparison of fungal diversity of local and exotic rice (*Oryza sativa* L.) germplasm for their seed health. *The Journal of Animal and Plant Sciences*, **25**(5): 1349-1357. (**Impact Factor: 0.48**)
7. Ashfaq, M., **Haider, M.S.**, Saleem, I., Ali, M., Ali, A. and Chohan, S.A. (2015). Basmati–Rice a Class Apart (A review). *J. Rice Res.* **3**(4): 1-8.
8. Ali, A., Akhtar, N., Bashir, U., Hafeez, R. and **Haider, M.S.** (2015). Morphological and biochemical characterization of bacteria isolated from milk products. *Biologia (Pakistan)*, **61**(2): 271-277.
9. Hafeez, R., Akhtar, N., Shoaib, A., Bashir, U., **Haider, M.S.** and Awan, Z.A. (2015). First report of *Geotrichum candidum* from Pakistan causing postharvest sour rot in Loquat (*Eriobotrya japonica*). *The Journal of Animal & Plant Sciences*, **25**(5): 1737-1740 (**Impact Factor: 0.448**).



10. Khan, H.A.A., Akram, W. and **Haider, M.S.** (2015). Genetics and mechanism of resistance to deltamethrin in the house fly, *Musca domestica* L., from Pakistan. *Ecotoxicology*, **24**(6): 1213-1220 (**Impact Factor: 2.706**).
11. Zia-Ur-Rehman, M., Hameed, U., Herrmann, H.W., Iqbal, M.J., **Haider, M.S.** and Brown, J.K. (2015). First report of *Chickpea chlorotic dwarf virus* infecting tomato crops in Pakistan. *Plant Disease*, **99**(9): 1287 (**Impact factor 3.02**).
12. Tahir, M., Amin, I., **Haider, M.S.**, Mansoor, S. and Briddon, R.W. (2015). *Ageratum enation virus*—A begomovirus of weeds with the potential to infect crops. *Viruses*, **7**: 647-665.
13. Ali, A., **Haider, M.S.**, Hanif, S. and Akhtar, N. (2014). Assessment of the antibacterial activity of *Cuscuta pedicellata* Ledeb. *African Journal of Biotechnology*, **13**(3): 430-433.
14. Hameed, U., Zia-Ur-Rehman, M., Herrmann, H.W., **Haider, M.S.** and Brown, J.K (2014). First report of Okra enation leaf curl virus and associated Cotton leaf curl Multan betasatellite and Cotton leaf curl Multan alphasatellite, infecting cotton in Pakistan: a new member of the cotton leaf curl disease complex. *Plant Disease*, **98**(10): 1447-1447 (**Impact Factor 3.020**).
15. Brown, J.K., Herrmann, H.W., Zia-Ur-Rehman, M., Hameed, U. and **Haider, M.S.** (2014). Begomovirus diversity, phylogeography, and population genetics in cultivated and uncultivated plant ecosystems in Pakistan. *Crop Protection*, **61**: 104 (**Impact Factor 1.493**).

Dr. Tehmina Anjum, Assistant Professor

- Wajiha Irum, Tehmina Anjum, Mazhar Iqbal, Abdul Ghaffar and Mateen Abbas. 2015. Mass spectrometric identification and toxicity assessment of degraded products of aflatoxin B1 and B2 by *Corymbia citriodora* aqueous extracts. *Scientific Reports* 5, 14672; doi: 10.1038/srep14672. (IF: 5.578)
- Waheed Akram, Tehmina Anjum, Basharat Ali. 2015. Co-cultivation of tomato with two *Bacillus* strains: Effects on growth and yield. *Journal of Animal and Plant Sciences*. 25(6): 1644 – 1651. (IF: 0.448)
- Anam Yousaf, Abdul Qadir, Tehmina Anjum, Aqeel Ahmad. 2015. Transcriptional modulation of Squalene Synthase Genes in barley treated with PGPR. *Frontiers in Plant Science*. 6: 672; doi: 10.3389/fpls.2015.00672. (IF: 3.948)
- Anam Yousaf, Abdul Qadir, Tehmina Anjum, Aqeel Ahmad. 2015. Identification of microbial metabolites elevating vitamin contents in barley seeds. *Journal of Agricultural and Food Chemistry*. 63: 7304-7310. (IF: 2.912)
- Waheed Akram, Tehmina Anjum, Basharat Ali, Aqeel Ahmad. 2015. Searching ISR determinant/s from *B. subtilis* IAGS174 against *Fusarium* wilt of tomato. *Biocontrol*. 60: 271-280. (IF: 1.693)



- **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: 3.020)**
- **Wajiha Irum, Tehmina Anjum, Mateen Abbas and Abdul Muqeet Khan. 2014. Aflatoxins and Ochratoxin A in Maize of Punjab, Pakistan. Food Additives & Contaminants Part B-Surveillance. 7(1): 57 – 62. (IF: 0.880)**
- **Tehmina Anjum and Waheed Akram. 2014. First Record of *Acremonium* wilt in tomato from Pakistan. Plant Disease. 98(1): 155. (IF: 3.020)**

Dr. Arshad Javaid, Assistant Professor

- **Javaid A, Akram W, Shoaib A, Haider MS, Ahmad A (2014). ISSR analysis of genetic diversity in *Dalbergia sissoo* in Punjab, Pakistan. *Pakistan Journal of Botany* 46(5): 1573-1576.
[Impact Factor **0.822**]**
- **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. [Impact Factor **2.912**]**
- **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 **0.681**]**
- **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(2): 429-448. [Impact Factor **9.015**]**
- **Khurshid S, Shoaib A, 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.
[Impact Factor **0.448**]**
- **Javaid A, Rauf S (2015). Management of basal rot disease of onion with dry leaf biomass of *Chenopodium album* as soil amendment. *International Journal of Agriculture & Biology* 17(1): 142-148. [Impact Factor **0.902**]**
- **Akbar M, Javaid A (2015). Management of *Rumex dentatus* L. (toothed dock) by fungal metabolites under field conditions. *International Journal of Agriculture & Biology* 17(1): 187-192 [Impact Factor **0.902**]**
- **Javaid A, Naqvi SF, Shoaib A, Iqbal SM (2015). Management of *Macrophomina phaseolina* by extracts of an allelopathic grass *Imperata cylindrica*. *Pakistan Journal of Agricultural Sciences* 15(1): 37-41. [Impact Factor **1.049**]**



- **Javaid A**, Bashir A (2015). Radish extracts as natural fungicides for management of *Fusarium oxysporum* f. sp. *lycopersici*, the cause of tomato wilt. *Pakistan Journal of Botany* 47(SI): 321-324. [Impact Factor **0.822**]
- Sana N, **Javaid A**, Shoaib A, Bajwa R (2015). Effect of weeds and soil amendments on N, P and K contents of rice. *Pakistan Journal of Botany* 47(SI): 251-254. [Impact Factor **0.822**]

Dr. Amna Shoaib (Amna Javaid), Assistant Professor

1. N. Akhtar, **Shoaib A**. Awan ZA. and Amin U. (2015). First Report of *Aspergillus parvisclerotigenus* rot in garlic bulbs from Pakistan. *Plant Disease*, 99(10): 1448. (IF: 3.02)
2. **A. Shoaib**, Akhtar S. and N. Akhtar (2015). Copper tolerance, protein and catalytic activity in phytopathogenic fungus *Alternaria alternata*. *Global Nest Journal*, 17(4) 664-672. (IF: 0.468)
3. A. Javaid, Naqvi AF. **Shoaib A**. and Iqbal SH. (2015). Management of *Macrophomina phaseolina* by extracts of an allelopathic grass *Imperata cylindrical*. *Pakistan Journal of Agricultural Sciences*, 51(2): 37-41. (IF: 1.054)
4. R. Hafeez, Akhtar N. **Shoaib A**., Bashir U., Haider MS. and Awan ZA. (2015). First report of *Geotrichum candidum* from Pakistan causing postharvest sour rot in loquat (*Eriobotrya japonica*). *Journal of Animal and Plant Sciences*, 26(5):1737-1740. (IF: 0.549)
5. N. Sana, Javaid A. **Shoaib A**. and Bajwa R. (2015). Effect of weeds and soil amendments on N, P and K contents of rice. *Pakistan Journal of Botany*, 47(SI): 251-254. (IF: 0.827)
6. N. Sana, Javaid A. **Shoaib A**. and Nafisa (2015). Effect of neem leaves as soil amendment on southern blight disease, growth and physiology of chili. *Pakistan Journal of Phytopathology*, 27(2): 115-120.
7. N. Sana, **Shoaib A**. Javaid A. and Rana KA. (2015). Phytochemical management of collar rot of chili with leaf biomass of *Eucalyptus camaldulensis*. *Pakistan Journal of Phytopathology*, 27(2): 153-158.
8. N. Akhtar, **Shoaib A**. and Hanif T. (2015). Side effects of pesticides on non-target soil *Aspergilli*. *Pakistan Journal of Phytopathology*, 27(1): 69-75.
9. A. Aftab, **Shoaib A**. Akhtar N. and Nafisa (2015). Assessment of physiological changes in *Alternaria destruens* infected canola plants. *Pakistan Journal of Phytopathology*, 27(1): 89-93.
10. N. Sana, **Shoaib A**. Javaid A. (2015). Growth of a soil-borne plant pathogen *Sclerotium rolfsii* under heavy metal chromium(III) stress. *Pakistan Journal of Phytopathology*, 27(1): 55-60.
11. A. Javaid, **Shoaib A**. and Khurshid S. (2015). Effect of previous season application of *Sisymbrium irio* and *Trichoderma harzianum* on growth of black gram in



- Macrophomina phaseolina* inoculated soil. *Pakistan Journal of Weed Science Research*, 21(1): 15-23.
12. **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).
 13. **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)
 14. 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)
 15. N. Akhtar, Awan ZA. and **Shoaib A.** (2014). First report of new post-harvest rot in ginger rhizome by *Aspergillus parvisclerotigenus* in Pakistan. *Plant Disease*, 98(8): 1158. (IF: 2.74)
 16. **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)
 17. 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)
 18. A. Javaid, Akram W. **Shoaib A.** Haider MS. and Ahmad A. (2014). ISSR Analysis of Genetic Diversity in *Dalbergia sissoo* in Punjab, Pakistan. *Pakistan Journal of Botany*, 46(5): 1573-1576. (IF: 1.207)
 19. Akhtar N., **Shoaib A.** Munir S. Ali A. and Khurshid S. (2014). Isolation, identification and enzyme production profile of *A. niger*. *Journal of Animal and Plant Sciences*, 24(5): 1438-1443. (IF: 0.549)

Dr. Uzma Bashir, Assistant Professor

- Rahila Hafeez, Naureen Akhtar, Amna Shoaib, **Uzma Bashir**, Muhammad Saleem Haider and Zoya Akhtar Awan. 2015. First Report of *Geotrichum candidum* from Pakistan Causing Postharvest Rot in Loquat (*Eriobotrya japonica*). *Journal of Animal and Plant sciences*. 25 (6). 1737-1740.
- Amna Ali, Naureen Akhtar, **Uzma Bashir**, Rahila Hafeez, & Muhammad Saleem Haider. 2015. Morphological and Biochemical Characterization of Bacteria isolated from Milk Products. *BIOLOGIA*. 61 (2), 271-277.



- Mukhtar Hussain Shah, Salik Nawaz Khan, Rukhana Bajwa and **Uzma Bashir**. **2015**. Rice Alleopathy: Growth Of *Trianthema Monogyna* In The Presence Of Decomposing Rice Straw. *Sci.Int.(Lahore)*,27(3),2743-2745.
- Mukhtar Hussain Shah, Salik Nawaz Khan, **Uzma Bashir**, Rukhsana Bajwa. **2015**. Allopathy Of Rice: Impact Of Rice Mulching On Growth Traits Of *Rumex Dentatus*. *Sci.Int. (Lahore)*,27(3),2735-2741.
- **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
- 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
- Naureen Akhtar, **Uzma Bashir**, Sobia Mushtaq **2014**. First Report of Leaf Spot of Rice Caused by *Alternaria arborescens* in Pakistan. *Plant Disease*, 98, (6) 846.2 - 846.2
- **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.
- 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). 181-185.
- 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.

Dr. Shazia Shafique, Assistant Professor

- Shazia Shafique, Muhammad Asif and Sobiya Shafique, 2015. Management of *Fusarium Oxysporum* F. Sp. *Capsici* by Leaf Extract of *Eucalyptus citriodora*. *Pak. J. Bot.*, 47(3): 1177-1182. (impact factor: 0.822)
- Aqeel Ahmed, Shazia Shafique and Sobiya Shafique, 2014. Intracellular interactions involved in induced systemic resistance in tomato. *Scientia Horticulturae*.176: 127-133. (impact factor: 1.365)
- 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*. 70-71: 39-45. (impact factor: 1.143)



Dr. Sobiya Shafique, Assistant Professor

- Aqeel Ahmed, Sobiya Shafique and Shazia Shafique, 2014. Molecular basis of antifungal resistance in tomato varieties. Pakistan Journal of Agricultural Sciences. 51 (3): 685-689.
(impact factor: 1.049)
- 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: 0.822)
- 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: 1.584)

Dr. Muhammad Ashfaq, Assistant Professor

- Ashfaq M, Saleem I (2015) Rice – A Great Grain. J Rice Res 3(3): 1-2. doi: 10.4172/2375-4338.1000e119. (Editorial)
- Muhammad Ashfaq^{*1}, Muhammad Shakil Shaukat¹, Muhammad Akhter² Muhammad Saleem Haider¹, Urooj Mubashar⁴ and Syed Bilal Hussain³ (2015). COMPARISON OF FUNGAL DIVERSITY OF LOCAL AND EXOTIC RICE (*ORYZA SATIVA* L.) GERMPLASM FOR THEIR SEED HEALTH. The journal of animal and plant sciences. Vol25 (5): 1349-1357.
- Ashfaq M, Haider MS, Saleem I, Ali M, Ali A, Chohan SA (2015) Basmati–Rice a Class Apart (A review). J Rice Res. 3(4): 1-8. doi:10.4172/2375-4338.S1-002.
- MUHAMMAD ASHFAQ1, HAFIZ UMAR FAROOQ1, MUHAMMAD SABAR2, *AMNA ALI1 & MUHAMMAD ALI (2015).Molecular Screening of Aroma Genes in Indigenous and Exotic Rice Germplasm. Biologia (Pakistan) 61 (2): 313-317.
- Muhammad Ashfaq, Muhammad Saleem Haider, Amna Ali, Muhammad Ali, Sana Hanif and Urooj Mubashar, 2014. Screening of Diverse Germplasm for Genetic Studies of Drought Tolerance in Rice (*Oryza sativa* L). Caryologia, 67 (4): 296-304.
- Amna Ali, Muhammad Saleem Haider and Muhammad Ashfaq, 2014. Bacterial diversity in some selected agricultural food products. Bangladesh J. Bot. Vol, 43(2): 219-222.
- 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.
- 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): 365 - 369.



Dr. Rashid Mahmood, Assistant Professor

- Siddiq.S, M. Yaseen and **R. Mahmood**. 2015. Impact of calcium carbide induced nitrogen uptake and ethylene related response on fruit quality of three Tomato (*Lycopersicon esculentum* Mill.) Cultivars. *Philippine Agricultural Sciences* 98(4): 368-373 (Impact factor: 0.256).
- Amin. M, R. Ahmad, A. Ali, I. Hussain and **R. Mahmood**, M. Aslam and D.J. Lee. Influence of Silicon Fertilization on Maize Performance Under Limited Water Supply. *Silicon* (Impact factor: 1.069) (Accepted in 2015).
- Ali. A, T. Haq, **R. Mahmood**, M. Jaan and M.N. Abbas. Stimulating the Anti-Oxidative Role and Wheat Growth Improvement Through Silicon Under Salt Stress. *Silicon* (Impact factor: 1.069) (Accepted in 2015).
- Ali. A, W. Ahmad, **R. Mahmood**, T. Haq and M.N. Abbas. Salinity tolerance in rice as affected by application of abscisic acid and salicylic acid. *Bangladesh Journal of Botany*. (Impact factor: 0.127) (Accepted in 2015).
- **Mahmood, R.** and M. Yaseen. 2014. Effectiveness of calcium carbide formulations in emergence stimulation and growth of wheat seedlings. *Pakistan Journal of Agricultural Sciences* 51(3): 579-584 (Impact factor 1.054).
- **Mahmood, R.**, A. A. Shahid, A. Usmani, M. S. Haider and S. Ali. 2014. Nitrification inhibition potential of various leaf extracts. *Philippine Agricultural Scientist* 97(3): 287-293 (Impact factor 0.368).
- **Mahmood, R.** and M. Yaseen. 2014. Calcium carbide based formulations cause a slow release of acetylene and ethylene in the soil and inhibits nitrification. *Communications in Soil Science and Plant Analysis* 45: 2277-2288 (Impact factor 0.423).
- **Mahmood, R.** and M. Yaseen. 2014. Growth and yield response of wheat to soil applied formulated calcium carbide under field conditions. *Journal of Plant Nutrition* (Impact factor 0.526; in press).
- **Mahmood, R.**, A. Ali and M. Ahmad. 2014. Role of encapsulated calcium carbide in nitrogen economy, growth and yield of crops- a review. *The Journal of Animal and Plant Sciences* 24(2): 354-361 (Impact factor 0.549).

Dr. Shinawar Waseem Ali, Assistant Professor

- **Shinawar Waseem Ali**, Asad Nawaz, Sana Irshad, Aftab Ahmed Khan. Potato waste management in Pakistan's perspective. *Journal of Hygienic Engineering and Design*, 13 (2015) 100-107.
- Asad Nawaz, **Shinawar Waseem Ali**, Muhammad Riaz, Zulfiqar Ahmad. Comparison of the quality of fruit juices being sold in local markets of Lahore, Pakistan. *Journal of Hygienic Engineering and Design*, 13 (2015), pp. 35-39.



- **Shinawar Waseem Ali** and Sohaib Afzaal. Aflatoxins in Pakistani Foods: A Serious Threat to Food Safety. *Journal of Hygienic Engineering and Design*. 9 (2014) 20-25.
- Fang-Bo Yu, Xiao-Dan Li, **Shinawar Waseem Ali**, Sheng-Dao Shan, Lin-Ping Luo, Li-Bo Guan. Further characterization of o-nitrobenzaldehyde degrading bacterium *Pseudomonas* sp. ONBA-17 and deduction on its metabolic pathway. *Brazilian Journal of Microbiology*, 45 (2014) 1303-1308
- Hina Shanakht, Ahmad Ali Shahid and **Shinawar Waseem Ali**. Characterization of Fungal Microbiota on Rice Grains From Local Markets of Lahore. *Journal of Hygienic Engineering and Design*. 9 (2014) 35-40.
- Amir Ismail, Muhammad Riaz, Saeed Akhtar, Tariq Ismail, Zulfiqar Ahmad and **Shianawar Waseem Ali**. Improvement of Quality Attributes of Bread by the Application of Phytases from an Indigenous Strain. *Pakistan Journal of Agricultural Sciences*, 51 (2014) 709-716. (Impact factor: 1.24)

Dr. Naureen Akhtar, Assistant Professor

- Naureen Akhtar, Ambreen Naseer, Shazia Shafique, Sobiya Shafique and Madiha Nayyab, 2015. First Report of *Alternaria arborescens* Causing Leaf Spot of *Dracaena marginata* in Pakistan. *Journal of Plant Pathology* (In Press)
- Amna Ali, Naureen Akhtar, Uzma Bashir, Muhammad Saleem Haider, 2015. Isolation and characterization of bacterial unknowns from dairy products sold at local markets of Lahore Pakistan. *Biologia* (In press)
- Rahila Hafiz, Naureen Akhtar, Amna Shoaib, Muhammad Saleem Haider, Uzma Bashir, Zoia Arshad Awan, 2015. First Report of *Geotrichum candidum* from Pakistan Causing Postharvest Sour Rot of Loquat (*Eriobotrya japonica*). *Pakistan Journal of Animal and Plant Sciences*, (In press)
- Amna Shoaib, Sundus Akhtar and Naureen Akhtar, 2015. Copper tolerance, protein and catalytic activity in phytopathogenic fungus *Alternaria alternata*. *Global NEST* 17(4): 664-672 (IF.0.468)
- Naureen Akhtar, Amna Shoaib, Zoia Arshad Awan and Unaiza Amin, 2015. First Report of *Aspergillus parvisclerotigenus* Rot in Garlic Bulbs from Pakistan. *APS Plant Disease*, 99 (10): 1448.
- Naureen Akhtar, Amna Shoaib and Tehmina Hanif, 2015. Side Effects of Pesticides on Non-target Soil Fungi. *Pakistan Journal of Phytopathology*, 27(1): 69-75.
- Naureen Akhtar, 2015. Collection of *Alternaria alternata* (Fr.) Keissl. In First Fungal Culture Bank of Pakistan, *Pakistan Journal of Phytopathology*, 27(1): 105-107.
- Aqsa Aftab, Amna Shoaib, Naureen Akhtar, Nafisa Farooq, 2015. Assessment of physiological changes in *Alternaria destruens* infected canola plants. *Pakistan Journal of Phytopathology*, 27(1): 89-93.



- Naureen Akhtar, 2015. Green florescent protein as an indicator to monitor membrane protein overexpression in bacteria. Journal of Life Sciences and Technologies, 3(1): 1-7.
- Naureen Akhtar, James R. Kinghorn, Anthony D. M. Glass, Shiela E. Unkles and Duncan A. Rouch, 2015. High Affinity Nitrate/Nitrite Transporters NrtA and NrtB of *Aspergillus nidulans* exhibit high specificity and different inhibition profiles. Microbiology, 161: 1435-1446

Dr. Shahbaz Ahmad, Assistant Professor

- **Ahmad, S**, Sahar Naz, M Anjum Aqeel and Qurban Ali, 2015. Appraisal of Association among abiotic factors and population of *Chilo infuscatellus* (Pyralidae, Lepidoptera). New York, Sci, J. Vol. 8(5) 45-47.
- **Ahmad, S**, 2015. Varietal Response of Sugarcane Cultivars against the *Chilo infuscatellus* (Pyralidae, Lepidoptera). Nat Sci, J.VOL 13(6) 88-92.
- M. Aqueel, C, M. Collins, A, M, Raza, **S, Ahmad**, M, Tariq, and S, R. Leather, 2014. Effect of plant nutrition on aphid size, prey consumption, and life history characteristics of green lacewing. Insect Science. Vol. 21(01), 74-82. **(1.514)**

Dr. Sajid Ali, Assistant Professor

- **Sajid Ali**, M. Shahbaz, A. N. Shahzad, H. A. A. Khan, M. Anees, M. S. Haider and A. Fatima. **2015**. Impact of copper toxicity on stone-head cabbage (*Brassica oleracea* var. *capitata*) in hydroponics. PeerJ. DOI 10.7717/peerj.1119 **[IF: 2.112]**
- Muhammad Ijaz, M. A. S. Raza, **S. Ali**, K. Ghazi, T. A. Yasir, M. Saqib and M. Naeem. **2015**. Differential Planting Density Influences Growth and Yield of Hybrid Maize (*Zea mays* L.). J. Env. Agric. Sci. 2 (3): 1-5
- Rashid Mahmood, A. A. Shahid, A. Usmani, M. S. Haider and **S. Ali**. **2014**. Nitrification Inhibition Potential of Various Leaf Extracts. The Philipp. Agri. Sci. 97 (3): 287-293 **[IF: 0.368]**
- Hafiz Muhammad Khalid Abbas, M. A. Farooq, S. Atta, M. N. Subhani, M. S. Haider and **S. Ali**. **2014**. Evaluation of different sugar beet varieties against *Fusarium oxysporum* f. sp. *betae* and *Alternaria alternata*. Pak. J. Phytopathol. 26 (1): 115-117

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)



Dr. Muhammad Shafiq, Assistant Professor

- Muhammad Tariq Manzoor. Muhammad Ilyas. **Muhammad Shafiq**. Muhammad Saleem Haider. Ahmad Ali Shahid, Rob W Briddon (2014) A distinct strain of Chickpea chlorotic dwarf virus (genus Mastrevirus, family Geminiviridae) identified in leaf curl disease affected cotton plant Arch Virol Arch Virol DOI 10.1007/s00705-013-1911-4
- Ayesha Bibi, **Muhammad Shafiq**, Saima Arif, Asma Tanveer, Muhammad Tariq Manzoor and Muhammad Saleem Haider (2015) First Report of the Molecular Characterization of the Endosymbiont *Candidatus portiera* Aleyrodidarum from Cotton Whiteflies Collected from Pakistan International Journal Of Agriculture & Biology DOI: 10.17957/IJAB/15.0083

Dr. Zill-e-Huma, Lecturer

- Aftab Z.H., Yousaf A. and Siddique I. 2015. Strain improvement of *Aspergillus* and *Acremonium* species for enhanced biosynthesis of Cephalosporin C. Journal of pure and Applied Microbiology. Accepted.
- Aftab Z.H. and Shakil A. 2015. *Ganoderma lucidum*: A case study for laccase biosynthesis. Pakistan Journal of Phytopathol. 27 (1): 95-103.

Mr. Adnan Zahid, Lecturer

- Zahid. A.Ansar. M, Shahid, A.A. Ahmad, S, Khan, K.A, Shah. S.M.Z and Ali, Q.A.(2014) Morphological and chemical changes in three cultivars of sorghum under dry conditions in Pakistan. Mycopath, V,12(1), 59-62.

Mr. Azhar Ali Khan, Lecturer

1. **Khan HAA**, Shad SA, Akram W. combination of phagostimulant and visual lure as an effective tool in designing house flies toxic baits. *PLoS ONE* 8:e77225 (**Impact Factor=4.09**) (**HEC Recognized**)
2. **Khan HAA**, Akram W, Shad SA. Resistance to conventional insecticides in *Musca domestica* L. from dairies in Punjab, Pakistan. *Ecotoxicology* 22: 522-527. (**Impact Factor=2.773**) (**HEC Recognized**)
3. **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=2.42**) (**HEC Recognized**)
4. **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=2.852**) (**HEC Recognized**)
5. **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=4.09**)



6. **Khan HAA**, Akram W, Ahmed N. 2013. Mango leaf gall formation: Varietal susceptibility and within tree distribution. *Pakistan Journal of Agricultural Sciences*, (Impact Factor=1.24) (HEC Recognized)
7. **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=0.502)

Dr. Zaheer Hussain, Lecturer

- Muhammad Saleem Haider, **Zaheer Hussain**, Zafar Ul Ehasan Qureshi, Xiang WU , and Charles Rupperchet (2012) Development of genetically recombinant rabies vaccine (conference Abstract) *J antivir antiretrovir* Issn 2012, 4:4
- **Zaheer Hussain**, Muhammad Saleem Haider, Zafar Ul Ehsan Qureshi, Andres Velasco-Villa, Shahida Afzaal and Xianfu Wu (2012) Efficacy Test in Mice of Two Novel Rabies Vaccine Candidates Using a Pakistan Rabies Virus Glycoprotein Gene *J Antivir Antiretrovir* 2012, S15 (Impact Factor 3.263)
- Shahida Afzaal, Muhammad Numan, Zafar ul Ahsan Qureshi, Munazza Shaukat, Imtiaz Ahmad Khan , **Zaheer Hussain**, Zain ul Abidin, Abdul Whab Manzoor, Mudasser Habib (2013). Ante-Mortem Diagnosis of Rabies in Cows and Buffaloes. *Journal of Advanced Veterinary Research* 3: 27-30

Mr. Waheed Anwar, Research Officer

- W. Anwar, M. Shafiq, M.S. Haider, A. Bibi, and S.N. Khan.(2013). First Report Of *Cochliobolus Australiensis* Causing Leaf Spot Of Bermudagrass In Pakistan. *Journal of Plant Pathology* .Vol 95, No 2 (2013) doi: 10.4454/ JPP.V95I2.016.

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.

○ **Foreign Linkages**

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



○ **Funding grants for R&D**

- M. Saleem Haider. An amount of Rs.30,80,679/- has been granted for a research project entitled “Pak-US Cotton Productivity Enhancement Project” by USDA through International Centre for Agricultural Research in the Dry Areas (ICARDA).
- M. Saleem Haider. PARB funded research project for CLCuV resistance, Worth Rs 28 million (2009-2013)
- Tehmina Anjum. Strengthening of Fungal Biotechnology Lab in Institute of Agricultural Sciences, University of the Punjab. (2011 - 2012). Grant = 0.772 Million Rs by PU.
- Tehmina Anjum. Principal investigator in one year (2011-2012) project entitled “Use of extracts from local medicinal trees to control *Alternaria* leaf spot of tomato”. Grant = 1,50,000/Rs by PU.
- Dr. Arshad Javaid (2011-12), entitled “Biological Control of Charcoal Rot of Mungbean by *Trichoderma* and *Sisymbrium Irio*” by University of the Punjab Lahore. (Grant Rs.150,000/-)
- Dr. Arshad Javaid, (2011-12), “Lumsum Research Grant” by University of the Punjab Lahore (Grant Rs.769,000/-)
- Dr. Shakil Ahmed, entitled “Biological Treatment of pulp and paper industrial effluent by white rot fungi” funded by the University of the Punjab. (Grant Rs.150,000/-)
- Shazia Shafique. Principal Investigator in one year (2011) project entitled “*Cymbopogon Citratus* as a remedy to control *Alternaria* species - a cause of leaf spot diseases” Grant Rs.150, 000/-)
- Dr. Sobiya Shafique. Principal Investigator in one year (2011) project entitled “Bioefficacy of extracts of *Ageratum cornyzoides* to control *Drechslera* species” awarded by the University of the Punjab, Lahore, Pakistan, 2011. Grant Rs.150,000/-)

INSTITUTE OF APPLIED PSYCHOLOGY

2.1 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.

2.2 Projects:

2.2.1 Completed

Sr. No.	Project Name	Name of Faculty Member
1.	Parental power and prestige moderate the relationship between perceived parental acceptance and offspring's psychological adjustment: Father Acceptance-Rejection Project.	Prof. Dr. Rukhsana Kausar
2.	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
3.	Examining effectiveness of group therapy in reducing behavioural problems among slow learners/children with learning deficiency.	Dr. Naumana Amjad Associate Professor
4.	Job Stress, Job Satisfaction and Work Motivation in permanent and tenure track teachers in Public Universities.	Ms. Shazia Khalid Assistant Professor
5.	Does Conscientiousness increase quality of life among renal transplant recipients.	Dr. Fatima Kamran Assistant Professor
6.	Parental Stress, Psychological Well-Being and quality of life in parents of Children with intellectual vs. physical disability.	Dr. Afsheen Masood Assistant Professor
7.	Metacognition and critical thinking in University students	Ms. Omama Tariq Lecturer
8.	Antecedents and consequences of positive psychological capital in employees of higher education institutions.	Ms. Tahira Mubashar Lecturer
9.	Validity of the Entry Test at Punjab University.	Ms. Shahnaila Tariq Lecturer

**2.2.2 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.	Validation and Norms Development of Indigenous Childhood Abuse Scale for Adolescents	Prof. Dr. Farah Malik
4.	Frequency of Aggressive Acts, Reflection, Self-Censure of Private Self-Consciousness – An Examination of Real Life Aggressive Episodes	Dr. Naumana Amjad Associate Professor
5.	Effect of Distress on Well-being in People with Acquired Facial Disfigurement: The Moderating Role of Social Support	Dr. Rafia Rafique Associate Professor
6.	Organization Cynicism, Work Related Quality of Life, Organizational Commitment and Turn-over Intention in Non-Academic Staff of Public Institution	Ms. Shazia Khalid Assistant Professor
7.	Psychometric Properties of Teenage Non-violence Test	Dr. Iram Fatima Assistant Professor
8.	Life Orientation and Quality of Life after Renal Transplantation	Dr. Fatima Kamran Assistant Professor
9.	Neurobehavioral Problems, Coping Strategies and Family Functioning of Children with Epilepsy	Ms. Afsheen Masood Assistant Professor
10.	Predicting Decision Making Skill in Educated Samples in Pakistan	Dr. Saima Ghazal Assistant Professor
11.	Development and Evaluation of Interventions to Promote Occupational Health and Wellbeing	Ms. Tahira Mubashir Lecturer
12.	Pre and Post Retirement Transitions	Ms. Shahnaila Tariq Lecturer

2.3 Publications

List of the Papers published by the Faculty Members of the Institute is as under:

Sr. No.	Papers Published	Name of Author
1.	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
2.	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



3.	Tariq O. & Kausar R. (2015). Parental Acceptance-Rejection and Interpersonal Problems in Patients with Conversion Disorder. <i>Journal of Behavioural Science (JBS)</i> , Vol. 25 (1), 19-38. X Category.	Prof. Dr. Rukhsana Kausar
4.	Batool S. & Kausar R. (2015). Health Related Behaviors and Medication Adherence in Patients with Hepatitis C. <i>Journal of Behavioural Science (JBS)</i> , Vol. 25(1), 172-186, X Category.	Prof. Dr. Rukhsana Kausar
5.	Naz F. & Kausar R. (2015). Translation and Validation of Interpersonal Relationship anxiety Questionnaire. <i>FWU Journal of Social Sciences</i> , Vol. 9(1), 117-125, X Category.	Prof. Dr. Rukhsana Kausar
6.	Zafar N. & Kausar R. (2015). Psychosocial Implications of Early Father Separation for Adolescents and their Mothers. <i>Journal of Indian Academy of Applied Psychology (JIAAP)</i> , Vol. 4(2), 323-334, Y Category.	Prof. Dr. Rukhsana Kausar
7.	Naz F. & Kausar R. (2015). Parental Neglect, Self-Esteem, Emotional Instability and Depressive Symptoms in Adolescents with Somatic Symptoms. <i>Pakistan Journal of Social Sciences</i> , Vol. 35(1), 25-36, (Y-Category).	Prof. Dr. Rukhsana Kausar
8.	Khan N., Kausar R. Khalid, A & Farooq A. (2015). Gender Differences among Discrimination & Stigma Experienced by Depressive Patients in Pakistan. <i>Pakistan Journal of Medical Sciences</i> , ISSN: 1682-024x; Vol.31 (6), 1432-1435, (IF = 0.231).	Prof. Dr. Rukhsana Kausar
9.	Ahmad S., Arshad T. & Kausar R. (2015). Psychological Correlates of Distress in Rescue 1122 Workers in Pakistan. <i>International Journal of Emergency Mental Health and Human Resilience</i> , Vol. 17(2), 486-494, ISSN 1522-4821 (IF = 3.63).	Prof. Dr. Rukhsana Kausar
10.	Malik F., Kausar R., Najam N, Kanwal R. H. & Hussain S. (2014). Parental Power, Prestige and Acceptance as Predictors of Young Adults' Psychological Adjustment in Gilgit-Baltistan, Pakistan. <i>Journal of Cross-Cultural Research</i> (Special Issue) Online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676 . Vol.48 (3), 270-277 (IF= 0.75)	Prof. Dr. Farah Malik
11.	Malik F., Kausar R., Najam N., Muhammad Mustafa Butt & Rasool F. (2014) Parental Acceptance and Power/Prestige as Predictors of Psychological Adjustment among Pakistani Adolescents. <i>Journal of Cross-Cultural Research</i> (Special Issue) Online version http://ccr.sagepub.com/content/early/2014/04/20/1069397114528676 . Vol.48 (3), 278-285 (IF = 0.75).	Prof. Dr. Farah Malik
12.	Malik F., Kanwal R. H., 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



13.	Iftikhar R. & Malik F. (2014). Translation and validation of aggression questionnaire in Pakistani cohorts, <i>Pakistan Journal of Social and Clinical Psychology</i> , Vol. No.22 (2)	Prof. Dr. Farah Malik
14.	Malik F. & Rohner P. (2015). Spousal Rejection as a Risk Factor for Parental Rejection of Children Among Pakistani Families in the U.S, <i>Journal of Family Violence</i> 2015, DOI 10.1007/s10896-015-9756-0, (IF = 0.95.)	Prof. Dr. Farah Malik
15.	Malik F., Khan N. & Shujja S. (2015). Social Competence Scale for Adolescents (SCSA): Development and Validation Within Cultural Perspective, <i>Journal of Behavioural Sciences (JBS)</i> , Vol.25, No.1,(X Category)	Prof. Dr. Farah Malik
16.	Malik F. & Shujja S. (2015). Parental Rejection and Psychological Adjustment among Adolescents: Does the Peer Rejection Mediate? <i>Journal of the Indian Academy of Applied Psychology</i> , Vol.41, No.1 340-347. (Y Category)	Prof. Dr. Farah Malik
17.	Amjad N. & Majeed S. (2015). Anger Rumination and its effects: A Systematic Review, <i>Asian Academic Research Journal of Social Sciences and Humanities</i> , Vol.1(33)150-165, ISSN:2278-859x,	Dr. Naumana Amjad Associate Professor
18.	Rafique R. & Hunt N. (2015). Experiences and coping behaviours of adolescents in Pakistan with alopecia areata: An interpretative phenomenological analysis, <i>International Journal of Qualitative Studies on Health and Well-being</i> , Vol.10, (IF = 0.90)	Dr. Rafia Rafique Associate Professor
19.	Rafique R. & Anjum A. (2015). Positive and Negative Psychological Correlates, Gender Specific and Traditional Factors for First Onset Angina in a Sample of Pakistani Women. <i>Journal of AYUB Medical College</i> Vol. 27(4).	Dr. Rafia Rafique Associate Professor
20.	Rafique R. & Anjum A. (2015). Psychological Stress, Distress, Anthropometric and Lifestyle as Correlates of Hypertension in a Sample of Pakistani Population. <i>Journal of Behavioural Sciences</i> . Vol. 25(2)	Dr. Rafia Rafique Associate Professor
21.	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
22.	Khalid S. & Ishaq S. (2014). Job Satisfaction, Commitment and Perceived organizational Politics in Employees of a Public Sector University. <i>Journal of Behavioural Sciences (JBS)</i> , Vol.24, No.2, 69-82	Ms. Shazia Khalid Assistant Professor
23.	Kamran F. (2014). Optimism and Quality of Life after Renal Transplantation. <i>American Journal of Applied Psychology</i> . Vol.2(1), pp 22-26 DOI: 10.12691/ajap-2-1-4	Dr. Fatima Kamran Assistant Professor



24.	Kamran F. (2014). Living with a Kidney Transplant: Perceptions & Experiences: A Qualitative Study. <i>American Journal of Applied Psychology</i> . Vol.2(1) Available online: http://pubs.sciepub.com/ajap/2/1/2/index.html .	Dr. Fatima Kamran Assistant Professor
25.	Kamran F. (2014). Does Perceived Health Status Influence Quality of Life after Renal Transplantation. <i>American Journal of Applied Psychology</i> . Vol.2(4), pp 99-103. DOI: 10.12691/ajap-2-4-4	Dr. Fatima Kamran Assistant Professor
26.	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
27.	Kamran F. & Fifi-Schaw C. (2014). Sociodemographic Correlates of Quality of Life in Renal Transplant Recipients in Pakistan: A Longitudinal Study. <i>Journal of Behavioural Sciences (JBS),s</i> Vol.24, No.2, 37-51	Dr. Fatima Kamran Assistant Professor
28.	Kamran F. (2015). Perceived Health Status and Life Orientation (Optimism) after Renal Transplantation (Manuscript submitted to PJPR May 7 th 2015)	Dr. Fatima Kamran Assistant Professor
29.	Masood A., Masud Y. & Mazahir S. (2015). Gender Difference in Resilience and Psychological Distress of Patients with Burns	Dr. Afsheen Masood Assistant Professor
30.	Masood A., Arshad R. & Mazahir S. (2015). Families of Children with Cerebral Palsy: Family Functioning Domains	Dr. Afsheen Masood Assistant Professor
31.	Masood A., Mazahir S. (2015). Relational Communication, Emotional Intelligence and Marital Satisfaction	Dr. Afsheen Masood Assistant Professor
32.	Masood A., Mazahir S. (2015). Personality Traits and Self-Control as Predictors of Motivational Correlate of Academic Dishonesty	Dr. Afsheen Masood Assistant Professor
33.	Ghazal S., Cokely E. & Garcia-Retamero R. (2014). Predicting Biases in Very High Educated Samples: Numeracy and Metacognition. <i>Judgment and Decision Making</i> , Vol. 9, 15-34	Dr. Saima Ghazal Assistant Professor
34.	Ellis, K. M., Cokely, E. T., Ghazal, S. & Garcia-Retamery, R. (2014). Do People Understand their Home HIV Test Results? Risk Literacy and Information Search. In <i>Proceedings of the Human Factors and Ergonomics Society Annual Meeting</i> (Vol. 58, No. 1, pp 1323-1327). Sage Publications.	Dr. Saima Ghazal Assistant Professor
35.	Usman, S., & Mubashar, T. (2015). Social Competence, Social Capital and Psychological Wellbeing in University Employees. <i>Faran Journal of Social Sciences</i> . 2(3)	Ms. Tahira Mubashar Lecturer

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

Sr. No.	Name of Conference/Seminar/Workshop	Name of Faculty Member
1	Mahnaz Yousaf and Rukhsana Kausar, PhD. Psychosocial Correlates of Distress in Type I and Type II Diabetes Patients. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th –21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
2	Fauzia Naz, PhD and Rukhsana Kausar, PhD. Somatic Symptoms Scale: Psychometric Properties in Clinical and Normal Sample. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
3	Fauzia Naz, PhD and Rukhsana Kausar, PhD. Translation and Validation of Interpersonal Relationship Anxiety Questionnaire (IRAQ). Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
4	Farhana Nasim, Sumera Siddique, and Rukhsana Kausar, PhD. Personality Traits, Emotional Expressivity and Prosocial Behavior in Rescue 1122 Workers. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
5	Andleeb Zahra, Aneeza Sarwar, and Rukhsana Kausar, PhD. Personality, Procrastination, Self-Efficacy, Anxiety and Academic Performance of the University Students. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th –21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
6	Ume Habiba, Nazia Bashir, and Rukhsana Kausar, PhD. Parental Training Program with the Mothers of Children having Mental Retardation. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar



7	Fauzia Naz, PhD and Rukhsana Kausar, PhD. Parental Neglect, Negative Self-Esteem, Emotional Instability and Depressive Symptoms in Adolescents with Somatic Symptoms. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th –21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
8	Sara Asad, Shafaq Saeed, and Rukhsana Kausar, PhD. Level of Frustration Tolerance and Coping Strategies Used by Women with Conversion Disorder VS Those with General Medical Conditions. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
9	Anum Javed and Rukhsana Kausar, PhD. Causes of Suicidal Ideation in Adolescents: A Qualitative Study. Oral Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th –21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
10	Saira Jabeen, Asma Yousaf and Rukhsana Kausar, Ph.D. Inappropriate Sexual Behaviors in Adolescents with Autism and Mental Retardation and Stress in Mothers. Poster Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
11	Sahrish Ahmad, Tehreem Rana and Rukhsana Kausar, Ph.D. Psychological Correlates of Distress in Rescue 1122 Workers in Pakistan. Poster Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
12	Saira Afzal, Khalid Ghaffar, Maira Saeed, and Rukhsana Kausar, PhD. Perceived Social Support, Sense of Coherence and Psychological Well-Being of Divorced Women. Poster Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th –21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
13	Amina Sadia and Rukhsana Kausar, PhD. Social Support and Marital Adjustment of Women with First versus Subsequent Pregnancies. Poster Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar



14	Ayesha Idrees, Saira Batool and Rukhsana Kausar, PhD. Humor Styles and Interpersonal Relationships among University Students. Poster Presentation in the 14 th International Conference of Psychology 2015 (ICP-2015) held from 19 th – 21 st March, 2015 by the Institute of Applied Psychology, University of the Punjab, Lahore.	Prof. Dr. Rukhsana Kausar
15	Nida Zafar and Rukhsana Kausar. Socio-demographic predictors of divorce adjustment in Pakistani women. Oral presentation in National Symposium of psychiatry 6-7 th June (2015), Khyber Medical College Peshawar.	Prof. Dr. Rukhsana Kausar
16	Nida Zafar and Rukhsana Kausar. Social Support and Social adjustment as predictors of quality of life in Diabetic patients, Oral presentation in National Symposium of Psychiatry, 6-7 th June (2015), Khyber Medical College Peshawar.	Prof. Dr. Rukhsana Kausar
17	Nida Zafar and Rukhsana Kausar. Predictors of psychological well-being in infertile women. Oral presentation in 11th Neuro Psycon Conference at PC Lahore. 25 th April, 2015.	Prof. Dr. Rukhsana Kausar
18	Nida Zafar and Rukhsana Kausar. Emotional, Social and Behavioral Disorders of Adolescents with Early Father Separation. Oral Presentation in 11th Neuro Psycon Conference at PC Lahore, 26 th April, 2015.	Prof. Dr. Rukhsana Kausar
19	Khaleque, A., Malik F., & Rohner, R. P. (2014). Acculturation and Family Relations among Pakistani-American Immigrant Parents and Children. Toronto, Canada, 6 th International Congress of SSHRC on "Immigrant and Ethnic Minority Families: Bridging across Cultural Boundaries" presented by 1 st author, 16 th -17 th October, 2014.	Prof. Dr. Farah Malik
20	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Parental Rejection and Psychological Adjustment among Adolescents: Does the peer Rejection Mediate?" Sultan Shujja and Farah Malik, Ph.D	Prof. Dr. Farah Malik
21	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Effect of Mood on Emotion Recognition Among School Bullies and Victims" Rabia Khawar and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
22	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Child Maltreatment, Self-Compassion, Empathy, and Emotional Dysregulation in Destitute Adolescents" Khalid Ghaffar and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
23	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled	Prof. Dr. Farah Malik



	"Drug Addiction, Crime and Psychopathy Among Jail Inmates" Malik AbidAyub, and Farah Malik, Ph.D.	
24	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Development of a Scale of Resilience Against Terrorism" Rehanallyas and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
25	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Urdu Translation and Initial Psychometric Properties of Olweus Bully Victim Questionnaire" RabiaKhawar and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
26	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Development and Validation of Indigenous Stressful Life Event Scale for Children (SLESC)" MariumGul and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
27	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Attitudes of Cricketers and Coaches towards Seeking Sport Psychology Consultation" Vicar Solomon, ShahnazBano, and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
28	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Personality Traits, Use of Music and Subjective Wellbeing in Young Adults" Muhammad Faran, ShibaSaeed, AmmaraSahar and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
29	Oral Presentations in 14 th International Conference of Psychology (ICP) 2015 19 th – 21 st March 2015, entitled "Burden of Care as Determinant of Depression and Quality of Life among Caregivers of Alzheimer Patients" Anam Khan and Farah Malik, Ph.D.	Prof. Dr. Farah Malik
30	Paper presented at 10th International Conference on Child and Adolescent Psychopathology (ICCAP-10), July 20-22, 2015, Center for Applied Research and Assessment in Child and Adolescent Wellbeing. Roehampton University, London, entitled "Corporal Punishment as Mediator between Teachers' Rejection, Psychological Adjustment and Academic Achievement of the Students.	Prof. Dr. Farah Malik
31	Challenges in Research Supervision- Presentation at International Conference on Teaching of Psychology, Vancouver, Canada, July 2015.	Dr. Naumana Amjad Associate Professor
32	Using strengths training at work. Presentation at Fourth World Congress of Positive Psychology, June 2015, Orlando, USA	Dr. Naumana Amjad Associate Professor



33	Handling difficult situations at workplace- story of a project turned activism for change. Paper presented at Vision 2020 symposium- toward global security worldwide. March 2015, Calgary, Canada	Dr. Naumana Amjad Associate Professor
34	International Conference of Education Social Sciences and Humanities. The Addictive Effects of Type II diabetes Mellitus on Neuropsychological Functioning of Patients Diagnosed with Myocardial Infarction. 8 th , 9 th , and 10 th of June, 2015.-Istanbul, Turkey.	Dr. Rafia Rafique Associate Professor
35	Presented at International Conference on Educational Psychology (November 13 th , 2014) at National Institute of Psychology (NIP) Quad-i-Azam University, (New Campus), Islamabad, Pakistan. Personality and Creativity as Predictors of Psychological Well-being in College Students.	Dr. Rafia Rafique Associate Professor
36	Organized 12 th Muslim Psychology Conference on Muslim Psychology: Theory and Practice. Arranged by the Society for the advancement of Muslim Psychology at Fountain House, Lahore 10 th – 11 th November 2014.	Dr. Rafia Rafique Associate Professor
37	Workshop conducted for the staff of Toddlers Headstart School, Lahore. at “Identification of Learning Disabilities among School Children”, on August 7 th 2015.	Dr. Rafia Rafique Associate Professor
38	Poster Presentation IMSACON International Conference Hong Kong Thailand, “Perceptions and Experiences after Renal Transplantation: A qualitative Study” October 2014	Dr. Fatima Kamran Assistant Professor
39	Attended Diabetes UK Professional conference on 11—13 March, 2015 at London excel, organized by Diabetes UK	Ms. Omama Tariq Assistant Professor
40	Attended Pedagogic Research conference by Centre for Learning and Teaching, University of Brighton on Friday 6 February, 2015	Ms. Omama Tariq Assistant Professor
41	Attended Bayesian lecture by Zoltan Dienes, School of Psychology and Sackler Centre for Consciousness Science, University of Sussex, Brighton, UK 2015	Ms. Omama Tariq Assistant Professor
42	International Conference on Educational Psychology, Quaid-e-Azam University, Islamabad, November 13, 2014	Ms. Afifa Anjum Lecturer
43	Presented research paper titled ‘Job Stress, Psychological Capital and Turnover Intentions in Employees of Hospitality Industry’ in International Journal Conference of Arts and Sciences, held in Freiburg, Germany (December, 2014)	Ms. Tahira Mubashar Lecturer
44	Presented research paper titled ‘A Short Term Intervention of Bullying Behavior in Government School Students’ in International Conference on Educational Psychology organized by NIP, Islamabad, Pakistan (November, 2014)	Ms. Tahira Mubashar Lecturer



45	Presented a research paper titled 'Psychographics and Decision Making' at international conference of Psychology, organized by Pakistan Psychological Association in collaboration with Institute of Applied Psychology and Higher Education Commission of Pakistan (March 2015)	Ms. Tahira Mubashar Lecturer
46	Participated in Workshop on Interpretative Phenomenology Analysis (IPA) at Department of Psychology, GC University, Lahore, Pakistan, 19 th May, 2015	Ms. Tahira Mubashar Lecturer
47	Participated in South Asia regional course, 'Islam and Gender Equality and Justice (I-nGEJ)' by Musawah and Muslim Womens' Research and Action Forum (MWRAF), Kandy, Sri Lanka, 7-13 December, 2014	Mr. Faiz Younas Lecturer
48	Gillani, A., & Younas, F. Bullying Related Behaviors, Perceived Peer Support and Self Esteem of Elementary and High School Students. Presented at 5th International Conference on Educational Psychology at National Institute of Psychology (NIP), Quaid-e-Azam University, Islamabad, 13th November, 2014	Mr. Faiz Younas Lecturer
49	Organized 14th International Conference of Psychology (The Current Challenges for Psychology: From Crisis to Sustainable Solutions), Institute of Applied Psychology, University of the Punjab in collaboration with Centre for Clinical Psychology, Pakistan Psychological Association (PPA) and Higher Education Commission (HEC), Pakistan, Lahore, 19th -21st March, 2015	Mr. Faiz Younas Lecturer
50	Moderated Scientific Session on 'Culture and individual Differences' at 14th International Conference of Psychology (The Current Challenges for Psychology: From Crisis to Sustainable Solutions), Institute of Applied Psychology, University of the Punjab in collaboration with Centre for Clinical Psychology, Pakistan Psychological Association (PPA) and Higher Education Commission (HEC), Pakistan, Lahore, 19th -21st March, 2015	Mr. Faiz Younas Lecturer
51	Saleem, Z., & Younas, F. Parenting Styles and Expressed Emotions in Adolescents with Conversion Disorder. Presented at 14th International Conference of Psychology at University of the Punjab, Lahore, 19th-21st March, 2015	Mr. Faiz Younas Lecturer
52	Noreen, H., & Younas, F. Emotional Maturity and Reaction to Frustration in adolescents Living in Orphanages. Presented at 14th International Conference of Psychology at University of the Punjab, Lahore, 19th-21st March, 2015	Mr. Faiz Younas Lecturer



53	Munir, M., & Younas, F. Delay of Gratification in University Students. Presented at 14th International Conference of Psychology at University of the Punjab, Lahore, 19th-21st March, 2015	Mr. Faiz Younas Lecturer
54	Mazahir, S, S., & Younas, F. Personal attributes and Academic Achievement in University Students. Presented at 14th International Conference of Psychology at University of the Punjab, Lahore, 19th-21st March, 2015	Mr. Faiz Younas Lecturer
55	Participated in Workshop on Interpretative Phenomenology Analysis (IPA) at Department of Psychology, GC University, Lahore, Pakistan, 19 th May, 2015	Mr. Faiz Younas Lecturer
56	Poster Presentation in 14 th International Conference of Psychology, 19-21 March 2015 in Lahore Pakistan, entitled "Self-Control, Narcissistic Tendencies and Internet Addiction in Adolescents".	Ms. Shahnila Tariq Lecturer
57	Poster Presentation in 14 th International Conference of Psychology, 19-21 March 2015 in Lahore Pakistan, entitled "Recidivism and Personality Traits in Juveniles".	Ms. Shahnila Tariq Lecturer
58	Oral Presentation in 14 th International Conference of Psychology, 19-21 March 2015 in Lahore Pakistan, entitled "Work Stress, Mental Wellbeing and Functional Impairment in Medical and House Officers"	Ms. Shahnila Tariq Lecturer
59	Moderated a Scientific Session in 14 th International Conference of Psychology, 19-21 March 2015 in Lahore Pakistan	Ms. Shahnila Tariq Lecturer
60	Participated in one day stake holder training session on 18 th August 2015 (Tuesday) At Ambassador Hotel organized by LRC Foundation	Ms. Shahnila Tariq Lecturer

2.5 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>

2.6 RESEARCH COLLABORATION

2.6.1 Indigenous

- Prof. Dr. Rukhsana Kausar, Collaborative project on Cognitive and Neurological Functioning of Elderly: A comparison of Punjab and Gilgit Baltistan with Prof. Dr. Najma Najam, Professor Emeritus, Institute of Applied Psychology and Former Vice Chancellor, Karakoram International University.
- Prof. Dr. 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. Najma Najam, Professor Emeritus, Institute of Applied Psychology, Former Vice Chancellor, Karakoram International University.
- Prof. Dr. Farah Malik, Collaborative project on “Emotion recognition and regulation in drug addicts with Prof. Glyn Humphreys, Oxford University UK.

2.6.2 Foreign Linkages

1. Prof. Dr. Rukhsana Kausar Collaborative research work on Cross-cultural study of intimate relationships with Prof. Hill Chuck Whittier College, USA.
2. Prof. Dr. Rukhsana Kausar International Collaborative study on Dysfunctional Eating with Dr. Esben Strodl, Director of Psychology Services at QUT Psychology and Counseling Clinic, Australia & Dr. Myra Cooper, Oxford University, UK.
- 3 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.
4. Dr. Rukhsana Kausar conducted collaborative INDIGO-Depression Project on Stigmatization of patients with psychiatric disorders, with Prof. Graham Tormicroft and Dr. Tine Van Bortel, Institute of Psychiatry, King’s College London.



5. Prof. Dr. Rukhsana Kausar, Collaborated in “Emotion and Education Study, with Sana Sheikh, School of Psychology and Neuroscience, University of St. Andrews, Scott land, United Kingdom

2.6.3 Funding Grants for R&D

Every year; a huge amount is being spent on Research and Development (R&D). These funds are provided by the University of the Punjab, Lahore and Higher Education Commission (HEC).

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

R&D-An Overview

The faculty of IBB enthusiastically pursuing research projects of national interests mainly concerning immunodiagnosis of viral and bacterial infections; purification and applications of industrially important enzymes; characterization of antifungal proteins of plant origin, identification of biomarkers for early diagnosis of cancer, extraction of bio pesticides from plants and molecular basis of action of these compounds, production of monoclonal antibodies, peptide hormones, interferon's and cytokines, screening of genetic disorders in local population and nanotechnology-based detection of allergens in local environment. During the year 2014-15, 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 complete

Name of researcher/ sponsoring agency	Title of research project with duration	Financial support
Dr. Amtul Jamil Sami HEC	Application of Computational Biology methods for Structure based 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.	Rs. 0.136 Million
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
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. Mamoon 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



Name of researcher/ sponsoring agency	Title of research project with duration	Financial support
Dr. Amtul Jamil Sami University of the Punjab	"Preparation of Bio Membranes From Insect Chitosan And Its Evaluation for Anti Microbial Activity"	Rs. 0.25 Million
Dr. Mahjabeen Saleem University of the Punjab	"Isolation and characterization of invertase from dates (Phoenix dactylifera L.". .	Rs. 0.15 Million
Dr. Zahoor Qadir Samra, University of the Punjab	"Design and evaluation of CDK4 inhibitor as potential anticancer agents"	Rs. 0.15 Million
Dr. Saba Irshad University of the Punjab	"XmnI polymorphism and Severity of Disease in Patients with B-Thalassemia in Lahore Region"	Rs. 0.15 Million
Dr. Moazzam Ali University of the Punjab	"Endocytic ability of Multidrug resistant cancer cells"	Rs. 0.15 Million
Dr. Zeeshan Muthair University of the Punjab	"Down Regulation of MTHI enzyme in Cancer Cell Lines as Anti-Cancer Target"	Rs. 0.15 Million
Dr. Muhammad Imtiaz Shafiq University of the Punjab	"Design and evaluation of CDK4 inhibitor as potential anticancer agents"	Rs. 0.15 Million
Dr. Saima Sadaf University of the Punjab	"Promoter associated CpG island methylation analysis of RASSFLA and transgelin as diagnostic/prognostic biomarkers for breast cancer"	Rs. 0.15 Million
Dr. Muhammad Khurshid University of the Punjab	"Characterization of microbial population from the roots of desert plant"	Rs. 0.15 Million
Dr. Muhammad Khurshid University of the Punjab	"identification and molecular characterization of or A47 interacting proteins to understand jasmine acid biosynthesis in arabidopsis thaliana"	Rs. 0.50 Million
Mr. M. Shahbaz Aslam University of the Punjab	"Expression and Purification of Fusion Protein Comprising Azu-P28 and Ta 1 for Targeted Cancer Therapy"	Rs. 0.125 Million
Ms. Iram Gull University of the Punjab	"DNA based Identification of Azadiracta indica"	Rs. 0.15 Million



Ms Beenish Maqsood University of the Punjab	"Selection of optimal parameters for the efficient production of an industrially important enzyme from mutant bacterial strain"	Rs. 0.125 Million
--	---	----------------------

(ii) Newly launched**Publications**

Name of Faculty Member	Title of Research Paper (Review Article)	Name of Publishing Journal	Vol.	Impact Factor (IF)
Sami. A J * Muhammad Ali and Abdul Rauf Shakoori (2014)	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 , 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



Asima Ayyuba, Mahjabeen Saleem , Iram Fatimab, Asma Tariqb, Naghma Hashmic, Syed Ghulam Musharraf.	Glycosylated Alpha-1-acid glycoprotein 1 as a potential lung cancer serum biomarker.	International Journal of Biochemistry & Cell Biology.	doi: 10.1016/j.bio cel.2015.11.006.	4.05
Mohsin SN, Mahmood S, Amar A, Ghafoor F, Raza SM, Mahjabeen Saleem .	Association of FcγRIIIa Polymorphism with Clinical Outcome of Dengue Infection: First Insight from Pakistan.	The American Journal of Tropical Medicine and Hygiene,	2015, October 7, 93 (4): 691-6	2.69
Ahmed S, and Samra, Z. Q.	Engineering transferrin and epirubicin onto magnetic nanoparticles for targeting drug delivery through transferrin receptors	Pak. J. Zool,	Accepted	0.404
Ali, R., and Shafiq, M. I.	Sequence, structure and binding analysis of cyclodextrinase (TK1770) from <i>T. kodakarensis</i> (KOD1) using an in silico approach	<i>Archaea</i>	(2015), Article ID 179196, 9 pages	2.709
Shafiq, M. I. , Gauhar, A., Akram, M., and Elahi, S.	Thyroid Peroxidase Antibodies in Non-Interferon Treated Hepatitis C Patients in Pakistan	<i>Biomed Res Int.</i>	(2015), Article ID 172981, 5 pages	1.579
Abdul Qadir, M., Ahmed, M., Aslam, H., Waseem, S., and Shafiq, M. I.	Amidine Sulfonamides and Benzene Sulfonamides: Synthesis and Their Biological Evaluation	<i>Journal of Chemistry</i>	(2015), Article ID 524056, 8 pages	0.772
Qadir, M. A., Ahmed, M., Shafiq, M. I. , Mahmood, N., Anwar, S., Habib, T., and Nosheen, S.	Synthesis, Spectral Characterization and Biological Activities of Methyl Substituted Amino Acid Conjugated Sulfonamides,	Am. J. Pharm	34, 1511-1515.	0.73
Atta, S., Khaliq, S., Islam, A., Javeria, I., Jamil, T., Athar, M. M., Shafiq, M. I. , and Ghaffar, A.	Injectable biopolymer based hydrogels for drug delivery applications	J. Biol. Macromol.	80, Sep. 2015, Pages 240–245	2.679
Bari, F., Akram, M., Shah, H., and Shafiq, M. I.	Frequency and pattern of extended spectrum beta lactamase (ESBL): A study at Lady Reading Hospital (LRH) Peshawar,	Professional Med J.	DOI: 10.17957/TPM J/15.3022	



Dr. Zafar Iqbal	First Report of <i>Tomato leaf curl Gujarat virus</i> , a Bipartite Begomovirus on Cotton Showing Leaf Curl Symptoms in Pakistan	Plant Disease	99(11)	3.02
Dr. Zafar Iqbal	<i>Sesbania bispinosa</i> , a new host of a begomovirus-betasatellite complex in Pakistan.	Accepted "Canadian Journal of Plant Pathology".		1.2
Dr. Zafar Iqbal and Dr. Khursheed	Amino acid profiling of yeast cream; A potential protein enriched ingredient for poultry feed.	Accepted "Journal of Microbiology, Biotechnology and Food sciences".		
Hameed, A., Zafar Iqbal , Asad, S., Mansoor, S.	Detection of multiple potato viruses in the field suggests synergistic interactions among potato viruses in Pakistan. The journal	Plant Pathology	30, 407-415.	0.667
Abid Hussain, Hafiz Muhammad Mumtaz, Muhammad Shahbaz Aslam , Zaigham Abbas.	Seroprevalence of Transfusion based Transmissible Infections among Clinically Healthy Donors in the Community of Multan, Pakistan.	Journal of Infection and Molecular Biology,	2015, 3, 47.	
Muhammad Shahbaz Aslam , Sidra Naveed, Aftab Ahmed, Zaigham Abbas, Iram Gull , Muhammad Amin Athar.	Side Effects of Chemotherapy in Cancer Patients and Evaluation of Patients Opinion about Starvation Based Differential Chemotherapy	Cancer Therapy	2014,5, 817-822	0.47
Muhammad Shahbaz Aslam , Tanveer Khalid, Iram gull , Zaigham Abbas, Muhammad Amin Athar.	Identification of Major Allergens of Paper Mulberry (<i>Broussonetia Papyrifera</i>) Pollens and Purification of Novel 40 kDa Allergen Protein.	Current Allergy and Clinical Immunology	Accepted	0.15

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

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

○ Publications:

- Butt, Z. I., Akhtar, T., Rashid, K., Saeed, N., & Adnan, M. A. J. (2015). Role of vitamin D₃ supplement as an ergogenic aid for bone and muscle health of powerlifters from punjab, pakistan. *Science International* **27(3)**,2189-2193.
- Butt, Z. I. & Adnan, M. A. J. (2014). Effects of iron bisglycinate (Ferrochel) supplementation on powerlifting with special reference to Punjab (Pakistan). *Faran journal of social sciences*,**2(1)**:21-36.
- Butt, Z. I., Akhtar, T., Adnan, M. A. J., & Saeed, N. (2015). Synergetic effect of vitamin D₃ supplementation for muscle health of weightlifters in Pakistan. *Science International* **27(4)**,3311-3317
- Butt, Z. I., Rashid, K., Saeed, N., Adnan, M. A. J., & Shah, A. J. (2015) Effect of anxiety on athlete's performance (A case study). *Science International* **27(5)**,4177-4180
- Khalil, U., Butt, Z. I., Haider, S., Naweed, N., & Khan, A. (2015). Quality of teaching & learning at directorate of staff development (DSD) in the punjab province: Practices and problems. *Science International* **27(5)**,4763-4766
- Butt, Z. I., Rashid, K., Akhtar, T., Saeed, N., Adnan, M. A. J., Mansoor, N., & Butt, R. H. (2015). Practices of stress management adopted by university students. *Science International* **27(6)**,6211-6218
- Rashid, K., Butt, Z. I., Khalid, N., Saeed, N., Adnan, M. A. J., Butt, R. H. & Mansoor, N. (2015). A study of teaching and displaying ethics by the teachers. *Science International* **27(6)**,6413-6422
- Rashid, K., Butt, Z. I., Amin, Q., Saeed, N., Adnan, M. A. J., & Butt, R. H. (2015). Investigation of pedagogical beliefs of secondary school english teachers working at public schools of lahore and kasur. *Science International* **27(6)**,6319-6325

○ Conferences, Seminars and Workshops, etc.

- Organized a workshop of Preparation of NTS Test for Jobs in Punjab Education Department by Zafar Iqbal Butt (Incharge) at Department of Sport Sciences & Physical Education, University of the Punjab in Janaury, 2015
- Mr. Zafar Iqbal Butt Incharge Department of Sport Sciences & Physical Education Participated In "Indigenous On-Campus Training Program For Management Team" Held On Octobor 27-31, 2014 Organised By HEC At University Of Punjab.



- Mr. Zafar Iqbal Butt Incharge Department of Sport Sciences & Physical Education Participated In Seminar On World Quality Day, Held On 22-12-2014 At University Of Punjab.
- Mr. Zafar Iqbal Butt Incharge Department of Sport Sciences & Physical Education Participated In Seminar On "Quality Assurance In Education", Held On 03-04-2015 At University Of Punjab.

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

- Projects:
 - (i) Completed

(i) Completed Name of Researcher	Topic of Research	Sponsoring Agency	Approved Amount	Status
Prof. Dr. Hamid Ashraf Hamdani	الشعر العربي المعاصر في سلطنة عمان (دراسة تحليلية)	P.U.	20000	Completed
Dr. Abdul Majid Nadeem	المباحث اللسانية العربية في شبه القارة من 1857 إلى 1947م	PU	150000	Completed

- Publications

Authors Name	Article Name	Journal with Date	Sponsoring Agency
Prof. Dr. Khaliq Dad Malik	الخطاب القرآني وأنواعه	Majallah Al-Qism Al-Arabi Vol. 22, Jan-July, 2015	P.U. Lahore
Prof. Dr. Khaliq Dad Malik	أدب الأطفال الأردني وتطوره قبل إنشاء باكستان	Oriental College Magazine Vol. 90, No. 03, July-Sept, 2015	P.U. Lahore
Prof. Dr. Hamid Ashraf Hamdani	نقيب أحمد الديروي شاعراً عربياً	Oriental College Magazine Vol. 89, No. 04, December, 2014	P.U. Lahore
Prof. Dr. Hamid Ashraf Hamdani	السلم الاجتماعي: ضرورته ومبادئه في ضوء الشريعة الإسلامية	Al-Baseerah, Department of Islamic Studies, Vol.3, No.6 December	NUML Islamabad
Prof. Dr. Hamid Ashraf Hamdani	اللغة العربية وتحديات العولمة	Oriental College Magazine Vol. 90, No. 01 March	P. U. Lahore
Prof. Dr. Hamid Ashraf Hamdani	محمد إدريس الكاندهلوي شاعراً عربياً	Oriental College Magazine Vol. 90, No. 02 June	P. U. Lahore



Dr. Haris Mubeen	The Theory of Awamil and Opinion of the Legendary Grammarians	Al-Qalam, Vol:20, Issu:S-1, April, 2015	P.U. Lahore
Dr. Moqees Javed Bhatti	تحديد افضل طرائق ترجمة النصوص	Oriental College Magazine, Vol. 90, 04 2015	P.U. Lahore
Dr. Hafiz Abdul Qadeer	تأثير الأدب العربي في الأدب الأردني محمد إقبال نموذجاً	Oriental College Magazine, Vol. 89, 4 Oct-Dec, 2014	P.U. Lahore
Dr. Hafiz Abdul Qadeer	الشعر الأردني والأدب العربي بين التأثير والتأثير	Oriental College Magazine, Vol. 90, 3 July-Sept, 2015	P.U. Lahore
Dr. Abdul Majid Nadeem	مشكلة المصطلح العربي بين Philology و Linguistics	Oriental College Magazine, Vol. 89, 4 Oct- Dec, 2014	P. U. Lahore
Dr. Abdul Majid Nadeem	دراسة الأصوات العربية في شبه القارة	Oriental College Magazine, Vol. 90, 3 July-Sept, 2015	P. U. Lahore

Books

Authors Name	Book Name	Publisher	No. of Pages	Year of Publication
Prof. Dr. Khaliq Dad Malik	تدريس اللسان العربي	Azad Book Depot.	272	Oct, 2014
" "	اللغة العربية	" "	152	Oct, 2014
" "	الأدب العربي	" "	//	Oct, 2014
" "	الانشاء والمحادثة	" "	311	Nov, 2014
" "	الأدب العربي	" "	160	Feb, 2015
" "	تحقيق وتدوير اور اس كا طريقه كار	" "	456	Jan, 2015
" "	تطبيق القواعد العربية	" "	296	May, 2015
" "	البيان في علوم اللسان	" "	576	Jul, 2015
" "	منهج البحث والتحقيق	" "	336	Sept, 2015
" "	اللغة العربية	" "	152	Sept, 2015
" "	الأدب العربي	" "	160	Sept, 2015

○ Conferences, Seminars and Workshops, etc.

Conference / Seminar / Workshop	Title & Date	Sponsor	Organizer
Prof. Dr. Khaliq Dad Malik	وضع اللغة العربية في تركيا جنوري، 2015	قسم اللغة العربية	جامعة بنجاب لاهور
(Presented By) Prof. Dr. Muhammad Qamar Ali	تصوف سيمينار 08 دسمبر 2014	محكمه اوقاف، لاہور، پنجاب	محكمه اوقاف، لاہور، پنجاب
(Presented By) Prof. Dr. Muhammad Qamar Ali	حالی و شبلی: ایک روزہ قومی سيمينار 06 مئی 2015	شعبہ اردو، جامعہ پنجاب، لاہور	شعبہ اردو، جامعہ پنجاب، لاہور



(Presented By) Prof. Dr. Muhammad Qamar Ali	بين الاقوامى بجویری کانفرنس 26مئی 2015	شعبہ فارسی، جامعہ پنجاب، لاہور	شعبہ فارسی، جامعہ پنجاب، لاہور
(Presented By) Dr. Hamid Ashraf Hamdani	مؤتمر السلام العالمي في ضوء السيرة النبوية نومبر، 2014	الجامعة الوطنية للغات الحديثة	اسلام آباد، پاکستان
(Presented By) Dr. Hamid Ashraf Hamdani	المؤتمر الدولي الرابع للغة العربية مئی، 2015	المجلس الدولي للغة العربية	دبی
(Presented By) Dr. Hamid Ashraf Hamdani	المؤتمر الدولي للغة العربية "النهوض باللغة العربية وثقافتها من خلال نشر الثقافة الإسلامية اگست، 2015	جامعة شريف هداية الله الإسلامية الحكومية	جاكرتا، اندونيسيا
(Presented By) Dr. Hamid Ashraf Hamdani	المؤتمر الدولي التاسع بإندونيسيا: اللغة العربية أساس الثقافة الإنسانية اگست، 2015	جامعة مولانا مالك إبراهيم الإسلامية الحكومية	مالانق، اندونيسيا
(Presented By) Dr. Hafiz Abdul Qadeer	الممارسة الأدبية عند العرب والدرس المقارن 27-29 إبريل، 2015	University of Badji Mukhtar, Annaba, Algeria	University of Badji Mukhtar, Annaba, Algeria
(Presented By) Dr. Hafiz Abdul Qadeer	وضع اللغة العربية في تركيا جنوری، 2015	قسم اللغة العربية	جامعة بنجاب لاہور
Dr. Hafiz Abdul Qadeer	بين الاقوامى بجویری کانفرنس 26مئی 2015	شعبہ فارسی، جامعہ پنجاب، لاہور	شعبہ فارسی، جامعہ پنجاب، لاہور

○ Research Journals

Journal Name	Editor Name	Remarks
Majallah Al Qism Al Arabi, Department of Arabic, PU, Lahore Issue No. 22 / 2015	Prof. Dr. Khaliq Dad Malik	Annual

DEPARTMENT OF PERSIAN

- Research & Development
- Publication : Books/Edited

Sr. No.	Name of Author	Title of Paper/Article
1.	Prof. Dr. Ghulam Moeen ud Din	كشف المحجوب کا واحد معلومہ حاشیہ
2.	Prof. Dr. Ghulam Moeen ud Din	Nigahi ba Muqadma e Kashaf ul Majoob az Hazrat Syed Ali Hujvair
3.	Prof. Dr. Muhammad Saleem Mazhar Co-Author Naheed S. Goraya	Geneva Deal: Beginning of a New Era between Iran-US Relations.
4.	Prof. Dr. Muhammad Nasir	Munaqaz Nehae der Khamsa e Khusro
5.	Prof. Dr. Muhammad Nasir	Tanaqaz der Sher e Farsi Iqbal.
6.	Prof. Dr. Muhammad Nasir	Barasi Maktobat e Bazurgan e Silsila e Chishtiya



7.	Prof. Dr. Muhammad Nasir	Barasi "Sir baz shokolaati" Tarjuma e az sameen e danashwer
8.	Prof. Dr. Muhammad Nasir	Asloob o Andaisha e Jami
9.	Prof. Dr. Muhammad Nasir	Istaqbal Jami der Shaba qara shehr andaisha hye Shahr Yar
10.	Dr. Najam ur Rashid Associate Professor	Masnavie Eashatan, Shibhe Qara,
11.	Dr. Najam ur Rashid Associate Professor	Masnavie Yousaf Kashmiri
12.	Dr. Najam ur Rashid Co-Author Dr. Muhammad Sabir	Dewan e Khushdil: Editing and Introductory Study.
13.	Dr. Najam ur Rashid Associate Professor	Bazmiyae Arjomand Baig Qabool.
14.	Dr. Syed Muhammad Farid Co-Author Dr. Sofia Sabar	Classical Persian Memlook period in Sub-Continent.
15.	Dr. Syed Muhammad Farid Assistant Professor	Imported of Prose Writer of Iran and Central Asian in Sub Continent in Lohdi Period
16.	Dr. Muhammad Sabir & Dr. Najam ur Rashid	معرفی و تصحیح دیوان خوشدل
17.	Dr. Muhammad Sabir Assistant Professor	داستان مرزا و صاحبان و داستان سریان زبان فارسی
18.	Dr. Shoaib Ahmad Assistant Professor	Khud Shanasi Az Deedga Ghazali wa Moulana
19.	Dr. Shoaib Ahmad Assistant Professor	Hazrat Sayed Sli Hujveri kay Asatiza or Mashaykh
20.	Dr. Shoaib Ahmad Assistant Professor	Silsila e Soharwardiya ki Deni, Elmi, Aadbi or Saqafati Khidmaat
21.	Dr. Shoaib Ahmad Assistant Professor	Jadeed Irani Shayraat, Taurfi Jayza
22.	Dr. Muhammad Athar Masood Assistant Professor	رشید ملک احوال و آثار
23.	Dr. Muhammad Athar Masood Assistant Professor	جلال آل احمد
BOOK PUBLISHED		
1.	Prof. Dr. Muhammad Nasir	Rehnam'ay Sooba Kharasan Rizvi
2.	Dr. Muhammad Athar Masood	Maqalat-e-Masood
	Dr. Muhammad Athar Masood	Naghma-e-Qudsi

• **CONFERENCES, SEMINARS AND WORKSHOPS**

1. **Muhammad Saleem Mazhar (2015), An International Syed Ali Hujvairi Conference, University of the Punjab, Lahore.**
2. **Muhammad Saleem Mazhar (2015), Hazrat Sultan Bahu Seminar", at Islamabad.**



3. **Ghulam Moeen ud Din (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
4. **Muhammad Nasir (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
5. **Muhammad Nasir (2015), An International Literature of South Asia Conference,** at LUMS University, Lahore.
6. **Najam ur Rashid (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
7. **Syed Muhammad Farid (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
8. **Muhammad Sabir (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
9. **Shoaib Ahmad (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
10. **Muhammad Athar Masood (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
11. **Muhammad Athar Masood (2015), An International Literature of South Asia Conference,** at LUMS University, Lahore.
12. **Ihsan Ahmad (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.
13. **Uzma Zareen Naziar (2015), An International Syed Ali Hujvairi Conference,** University of the Punjab, Lahore.

DEPARTMENT OF KASHMIRYAT

- **Research & Development**
 - **Dr. Nusrat Nisar** completed a research project Titled: **Muhammad Amin Kamil Jadeed Adab Ka Meummar”**.
 - **Duration: One Year Funding: University of the Punjab**
 - ii- **Dr. Nusrat Nisar** Newly launched **“Kashmiri Afsanay k Mummar- Akhtar Mohiu Din**
 - **Dr. Kh. Zahid Aziz** completed a research project Titled: **“Jammu & Kashmir as a Defensive State”**.
 - **Duration: One Year Funding: University of the Punjab**
 - ii- **Dr. Kh. Zahid Aziz** Newly launched **“An Analytical Study of Amritsar Treaty”**
 - **Dr. Syed Ali Raza** completed a research project Titled: **“”Sheikh Noor-ud-Din Rashi k Kalam Mein Moujood Dars-e-Insaniyat”**.
 - **Duration: One Year Funding: University of the Punjab**



- ii- Dr. Syed Ali Raza Newly launched “Kashmiri Sufi Shaira Lalla Arifa k Kalam Mein Muarifat k- Ramuz-o-Israr”

• **RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:**

- i- Dr. Kh. Zahid Aziz, Ranjit Singh’s Kashmir Extensionism and Britain’s role, Oriental College Magazine, oct. to Dec. 2014
- ii- Dr. Kh. Zahid Aziz, Kashmiri Folk Tales, Majallah Tahqiq, oct. to Dec. 2014
- iii- Dr. Kh. Zahid Aziz, Bud Shah’s Reign- An analytical Review, Majallah Tahqiq, july to sep. 2015.
- iv- Dr. Nusrat Nisar, Abdul Ahad Azad- Shaaire-Inqilab, Majallah Tahqiq, 2015, Vol 15, page: 17 to 30.
- v- Dr. Nusrat Nisar, Kashmir Main Urdu Shaeri- 1947 to till date, Sangar Mall, July to Dec. 2014.
- vi- Dr. Nusrat Nisar, Hamdi Kashmiri- Kashmir Main Urdu Adab ka Darakhshanda Sitara, Sangar Mall, Jan. to Jun. 2015.
- vii- Dr. Sardar Asghar Iqbal, Review of India Atrocities and their effects on the people of Indian Held Kashmir, Majallah Tahqiq, April to June 2015.
- viii- Dr. Sardar Asghar Iqbal, Brutalities in Kashmir During Sikh and Dogra Period, Majallah Tahqiq, Jan. to March 2015.

• **CONFERENCES, SEMINARS AND WORKSHOPS**

1. Tribes in Kashmir, 23 October, 2014, Kashmiryat Department, University of the Punjab, Lahore.
2. Iqbal and Kashmir, 13 November, 2014, Kashmiryat Department, University of the Punjab, Lahore.
3. Lalla Arfa a mystic poetess of Kashmir , 11 December, 2014, Kashmiryat Department, University of the Punjab, Lahore.
4. Kashmir Issue, 22 January, 2015, Kashmiryat Department, University of the Punjab, Lahore.
5. Kashmir Solidarity Day, 19 February, 2015, Kashmiryat Department, University of the Punjab, Lahore.
6. History of Kashmiri Language, 12 March, 2015, Kashmiryat Department, University of the Punjab, Lahore.



7. **Shah Hamdan in Kashmir**, 16 April, 2015, Kashmiryat Department, University of the Punjab, Lahore.
8. **A golden time period of Zain-ul-Abdin Bad Shah**, 14 May, 2015, Kashmiryat Department, University of the Punjab, Lahore.
9. **Kashmiri Arts and Crafts**, 10 September, 2015, Kashmiryat Department, University of the Punjab, Lahore.

International Conferences:

1. **Mutala-e-Seerat ki Muanivirat Aur Asr-e-Haazir**, October, 2014.

DEPARTMENT OF PUNJABI

• **Research & Development**

Projects:

Sr. No.	Name	Title	Sponsor Agency	Funds	Remarks
1	Prof. Dr. Ismatullah Zahid	Majmua Muqalmaat Darbaran Shankhat Fardosi	PU	2,50,000/-	Completed
2	Prof. Dr. Nabila Rehman	Kalam Syed Miran Shah Jalandri	PU	2,50,000/-	Completed
3	Prof. Dr. Nahid Zaman Khan	Ikisveen Sadi (2000 to 2014 ki punjabi ghazal)	PU	2,00,000/-	Completed
4	Dr. Naveeh Shahzad	Nai punjabi shairy mey taveel nazmoon ki rewayat	PU	2,00,000/-	Underprocess
5	Dr. Asma Qadri	Goupi Chund: Tehqiq or Tadveen	PU	1,50,000/-	Underprocess
6	Dr. Saadat Ali Saqib	Punjabi Filmi ro Ghair Filmi geetoun ki mousiqi or Wazir Afzal	PU	1,50,000/-	Underprocess
7	Dr. Zaheer Ahmad Shafique	Khutbaat-e-Iqbal (Punjabi turjama by Sharif Kunjahi (ka Tujziati Mutalia	PU	1,50,000/-	Underprocess

• **Publication : Books/Edited**

- i. Prof. Dr. Saeed Khawar Bhutta. **قصہ صاحبان**, Sanjh, 2015
- ii. Dr. Naveed Ahmad Shahzad. **نظم اور نئی پنجابی نظم (تحقیق، تنقید)**, 2015
- iii. Dr. Saadat Ali Saqib. **چنتا دی رات**, 2014
- iv. Dr. Asma Qadri. **پنجابی کلاسیکی شاعری دا صنف ویروا تیجا حصہ**, 2014



• **RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:**

- Prof. Dr. Ismat ullah Zahid. "درد کی چھانوں میرا گانوں اردو مجموعہ شاعری از ڈاکٹر اسلم رانا" Oriental College Magazine Volume No.36
- Prof. Dr. Ismat ullah Zahid "وارث شاہ دے صوفیانہ وچار" Volume 9 مجلہ تحقیق
- Prof. Dr. Ismat ullah Zahid ساغر صدیقی تے سلطان بابو Oriental College Magazine Volume No.4/90
- Prof. Dr. Saeed Khawar Bhutta "لوک لہر لڑی وار"، "وِ گوں وسیب دی سیاست" Volum No. 29.1-3
- Prof. Dr. Saeed Khawar Bhutta "ترنجن" "تسی دھرتی" Volum No.9
- Prof. Dr. Saeed Khawar Bhutta "شاد صاحب" Punjabi Adab, Volume No. 30
- Prof. Dr. Nabila Rehman لال مادھو , Punjabi Adab, Volume No. 30
- Prof. Dr. Nabila Rehman پاکستانی زبانوں کا لوک ادب (ایک روزہ کانفرنس), پنجاب کے لوک ادب پر ایک طائرانہ نظر Aug 2015
- Prof. Dr. Nabila Rehman "پاکستانی پنجابی ناولوں وچ تقسیم بندی کہانی۔۔۔ اک جائزہ" Oriental College Magazine Volume No.3/90
- Prof. Dr. Nabila Rehman 2015, ادارہ معارف اولیاء محکمہ اوقاف , کلام بابو فکری اُجالے
- Prof. Dr. Nabila Rehman 2015, dubpa, کنیڈا انٹر نیشنل پنجابی جنرل , پاکستان پنجابی ادب دے اجوکے روپ
- Dr. Naveed Ahmed Shahzad Volume اوری اینٹل کالج میگزین, طوالت اور طویل پنجابی نظم (مباحث) Volume No. 3/90.
- Dr. Naveed Ahmed Shahzad "نویں پنجابی نظم: رجحان ساز شاعراں رابیں" جولائی تا دسمبر, چھماپی کھوج 2015
- Dr. Naveed Ahmed Shahzad اوری اینٹل کالج میگزین 2013 کی پنجابی نظم, تعارف و تجزیہ Volume No. 3/90.
- Dr. Asma Qadri 75, چھماپی کھوج, میلہ شاہ حسین Volume No. 75
- Dr. Asma Qadri 75, چھماپی کھوج, بھائی گرداس وار 2 Volume No. 75
- Dr. Saada Ali Saqib جنوری تا جون 2015, چھماپی کھوج, دیسی اوزان وچ گٹ دی اہمیت
- Dr. Saada Ali Saqib جولائی تا دسمبر 2015, چھماپی کھوج, پنجابی زبان دا ہمہ جہت شاعر: حافظ عبدالمجید
- Dr. Zaheer Ahmed Shafique اکتوبر تا دسمبر , اوری اینٹل کالج میگزین, بدلدہا بویا پنجابی کلچر (لہندے پنجاب دے حوالے نال) 2015

• **CONFERENCES, SEMINARS AND WORKSHOPS**

Prof. Dr. Ismat ullah Zahid:

2. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
3. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
4. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015

Prof. Dr. Saeed Khawar Bhutta:

5. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
6. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
7. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015



- Prof. Dr. Nabila Rehman:**
8. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 9. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 10. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- Prof. Dr. Naheed Zaman Khan:**
11. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 12. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 13. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- Dr. Naveed Ahmad Shahzad:**
14. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 15. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 16. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- Dr. Saadat Ali Saqib:**
17. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 18. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 19. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- Dr. Asma Qadri:**
20. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 21. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 22. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- Dr. Zaheer Ahmed Shafique:**
23. "International Baba Farid Gunj Shakir Conference" Punjabi Department Punjab University Lahore, April 2015
 24. "Shah Hussain Seminar" Punjabi Department Punjab University Lahore, March 2015
 25. "Punjabi Mushaira" Punjabi Department Punjab University Lahore, April 2015
- **RESEARCH COLLABORATION**
 - **Funding Grants for R&D (for the Year 2014-15)**
(Four Ph.D teachers have received research grant from Punjab University)

DEPARTMENT OF CHAIR IQBAL STUDIES

- During the year 2014-15 the 3rd volume of the دائره معارف اقبال was completed and published. This volume contains 111 Research articles on Allama Iqbal's Art, Thought and Message, covering 700 pages.



- During the year the stock of the first volume of the دائرہ معارف اقبال was sold leaving a balance as nil.
- Accordingly revision of the first volume has been completed and recomposed with the scholarly assistance of Prof. Dr. Raffi udin Hashmi. The text is ready for Press.

DEPARTMENT OF URDU

- **Research & Development**

- **Publication : Books/Edited**

- i. Prof. Dr. Muhammad Kamran. ***Classici Urdu Shaiery: Angrezi Tarajim aur Online Tanqeed***. Lahore: Mavra Publisher, 2015.
- ii. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. ***Bayad e Meer***. Lahore: Punjab University, Press, 2014.
- iii. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. ***Bayad e Rashed***. Lahore: Punjab University, Press, 2014.
- iv. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. ***Makateeb Banam Rashed***. Faisalabad: Misaal Publishers, 2014.
- v. Prof. Dr. Zahid Munir Amir. ***Kulliyat e Mir Soz 2***. Lahore: Majlis e Taraqqi Adab, 2015.
- vi. Prof. Dr. Zahid Munir Amir. ***Armaghan e Khurshid***. Lahore: Punjab University Press, 2015.
- vii. Dr. Zia-ul-Hassan. ***Intikhar Fani Badaivani***. Karachi: Oxford University Press, 2015.
- viii. Dr. Nasir Abbas Nayyar. ***Alamgeeriat aur Urdu aur Deegar Mazameen***. Lahore: Sang e Meel Publication, 2015.
- ix. Dr. Nasir Abbas Nayyar. ***Lisaniat aur Tanqeed***. Delhi (India): Anjmn Taraqi Urdu (Hind), 2015.
- x. Dr. Nasir Abbas Nayyar. ***Maba'd Jadiat: Itlaqi Hayat***. Multan: Beacon Book, 2015.
- xi. Dr. Muhammad Haroon Usmani. ***Urzu Zuban o Adab kay Firogh Maen Mujillah Makhzan Lahore ka Kirdar***. Lahore: Alwaqar Publication, 2014.

- **RESEARCH ARTICLES PUBLISHED NATIONAL & INTERNATIONAL:**

- i. Prof. Dr. Muhammad Kamran, ***Internet, Urdu Afsana awr Wikipedia***. Include in: ***Bazyaft***. Lahore: Vol-26, Jan-Jun 2015, Urdu Department, Oriental College, P.U, Lahore.
- ii. Prof. Dr. Fakhar-ul-Haq Noori, ***Majeed Amjad: Aik Kaseer ul Jihat Shaer***. Include in: ***Almas***. Vol-15, 2014, Urdu Department, Shah Abdul Latif University, Kherpur (Sindh).



- iii. Prof. Dr. Fakhar-ul-Haq Noori, **Nasri Nazm aur Ikeesvin Sadi ka Sheri Manzar Nama**. Include in: **Zuban o Adab**. Vol-15, July-Dec 2014, Urdu Department, Govt. College University, Faisalabad.
- iv. Prof. Dr. Zahid Munir Amir, **First Wind of Islamic Revivallism after world war II Muhammad Asad (1900-1992)and International Islamic Colloqium 1957-58**. Include in: **Kyoto Bulletin of Islamic Area Studies**. Centre for Islamic Area Studies at Kyoto University Kyoto, Japan. March 2015.
- v. Prof. Dr. Zahid Munir Amir, **Almia aur Roshni (Majeed Amjad ki aik Nazm ka mutalia)**. Include in: **Namood e Harf**. (Mahnama). Lahore: Oct-Dec 2014.
- vi. Prof. Dr. Zahid Munir Amir, **Hali ka Qiam e Lahore... Aik aur Zavvia**. Include in: **Zuban o Adab**. Vol-15, Faisalabad: Urdu Department, G.C. University, 2015.
- vii. Prof. Dr. Zahid Munir Amir, **Pur Aman Baqa e Bahmi aur Iqbal**. Include in: **Bazyaft**. Lahore: Vol-26, Jan-Jun 2015, Urdu Department, Oriental College, P.U, Lahore.
- viii. Prof. Dr. Zahid Munir Amir, **Prof. Riaz Ahmad Shad.... Urdu aur Punjabi adab ka khamosh khidmat gar**. Include in: **Sharq**. Lahore: Oriental College, P.U, Lahore 2015.
- ix. Prof. Dr. Zahid Munir Amir, **Ilam, Khwash aur Fun (Khurshid Rizvi ki naatia shairi) Almas**. Include in: **Almas**. Vol-16, Shah Abdul Latif University, Kherpur Sindh, 2015.
- x. Dr. Baseera Ambreen. **Tarkibat e Ghalib __ Tehqiqi Mutala'a**. Include in: **Bazyaft**. Lahore: Vol-26, Jan-Jun 2015, Urdu Department, Oriental College, P.U, Lahore.
- xi. Dr. Baseera Ambreen. **Urdu kay do Hikmat Amaiz Dastanvi Hissay**. Include in: **Oriental College Magazine**. Lahore: No-04, Oct-Dec 2015, Oriental College, P.U, Lahore.
- xii. Dr. Baseera Ambreen. **Islah e Ghazal ki Tajaveez aur Hali ki Ghazal**. Include in: **Shifa**. (Hali No.). Sep-Dec 2015.
- xiii. Dr. Zia-ul-Hassan. **Hali aur Nojawan Nasal**. Include in: **Zuban o Adab**. Faisalabad: Govt. College University Faisalabad's Research Journal.
- xiv. Dr. Zia-ul-Hassan. **Urdu Adeebon ka Fitrat say Badalta hua Ta'luq**. Include in: **Bunyad**. Lahore: Vol. 6, 2015.
- xv. Dr. Zia-ul-Hassan. **Hali ki Ghazal: Jadid Urdu Ghazal ka Naqsh e Awal**. Include in: **Abdiat**. Islamabad: No. 104, Jan - March 2015.
- xvi. Dr. Zia-ul-Hassan. **Alamgeeriat aur Urdu Afsanvi Nasr kay Imkanat**. Include in: **Ijmal**. Karachi: No. 8, March 2015.
- xvii. Dr. Zia-ul-Hassan. **Dawood Rizwan ka Shiery Usloob**. Include in: **Niqab**. Islamabad: No. 13, May 2015.
- xviii. Dr. Zia-ul-Hassan. **Jadid Urdu Ghazal ka Moujuati o Usloobi Irtaqa**. Include in: **Jamal**. Karachi: No. 09, 2015.
- xix. Dr. Nasir Abbas Nayar. **Mout ka Zindgi say Mukalma: Balraj Man Ra ka Afsana**. Include in: **Bunyad**. Lahore: Vol. 6, 2015.



- xx. Dr. Nasir Abbas Nayar. **Maba'd Jadidia, Taraqi Pasandi, Co-Marksiat**. Include in: **Journal of Research**. Multan: BZU, 2015.
- xxi. Dr. Nasir Abbas Nayar. **Yadon ki Barat: Nafsiati Tanazur**. Include in: **Oriental College Magazine**. No. 90, Lahore: Oriental College Punjab University, 2015
- xxii. Dr. Muhammad Haroon Usmani. **Shaoor ki Row**. Include in: **Bazyaft**. Vol-25, July-December 2014, Lahore: Urdu Department, Oriental College Punjab University.

• RESEARCH ARTICLES INCLUDED IN EDITED BOOKS:

1. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. **Phulon ki Paltan**. Include in: **Majeed Amjad Naey Tanazur Maen (Majeed Amjad Sadi Muntakhib Mazameen)**. Edited by: Ehtisham Ali, Multan: Beacon Book, 2014.
2. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. **Imroz**. Include in: **Majeed Amjad ki Nazmaen: Tajziati Mutala'at**. Edited by: Dr. Asif Ali Chattha, Lahore: Magharbi Pakistan Urdu Academy, 2014.
3. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. **Phesh Rou**. Include in: **Majeed Amjad ki Nazmaen: Tajziati Mutala'at**. Edited by: Dr. Asif Ali Chattha, Lahore: Magharbi Pakistan Urdu Academy, 2014.
4. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. **Aey Qoum**. Include in: **Majeed Amjad ki Nazmaen: Tajziati Mutala'at**. Edited by: Dr. Asif Ali Chattha, Lahore: Magharbi Pakistan Urdu Academy, 2014.
5. Prof. Dr. Muhammad Fakhar-ul-Haq Noori. **Qandeel e Khayal Par Aik Nazar**. Include in: **Qandeel e Khayal**. Author: Muhamamd Aslam Parvaiz, Faisalabad: Shama Publishers, 2014.
6. Prof. Dr. Zahid Munir Amir, **"Muhammad Asad - Architect of Department of Islamic Studies at Punjab University"**. Include in: **Muhammad Asad An Austrian Jewish Convert to Islam**, M Ikram Chughtai , Pakistan Writers Co Operative Society Lahore. 2015.
7. Prof. Dr. Zahid Munir Amir, **"Bache dana hain zamane ki khabr rakhte hain"**. Include in: **The Children's Correspondence with The Quaid-i-Azam Muhammad Ali Jinnah (1939-1948)**, Islamabad: 2015.
8. Prof. Dr. Zahid Munir Amir, **"Majeed Amjad ki Nazmoon Mein Tasawurate Zaman ka Ttadriji Irtiq"**. Include in: **Majeed Amjad Ye Dunyae Imrooz meri ha (Muqalaat)**, Department of Urdu, Oriental College, Punjab University Lahore: 2015.
9. Prof. Dr. Zahid Munir Amir, **"Muhammad Asad - Architect of Department of islamic Studies at Punjab University."**. Include in: **Muhammad Asad An Austrian Jewish Convert to Islam**, M Ikram Chughtai , Pakistan Writers Co Operative Society Lahore. 2015



10. Dr. Muhammad Haroon Usmani, **"Flap"**. Include in: **Urdu Afsanay Maen Khair o Shar ka Tasawur**, by Dr. Raheela Bashir, Faisalabad: Misal Publishers, 2015.
11. Dr. Muhammad Haroon Usmani, **"Harf e Chand"**. Include in: **Akhtar Jamal Shakhshiat aur Fan**, by Dr. Sabina Awais, Faisalabad: Misal Publishers, 2015.

• **CONFERENCES, SEMINARS AND WORKSHOPS**

- i. Prof. Dr. Muhammad Kamran, Seminar Topic: **"10th International Conference A Arts In Society"**. Article Topic: **Internet, Globalization and Pakistan Literature**. Organized by: Imperial College, London, United Kingdom. Dated: 22-24 July 2015.
- ii. Prof. Dr. Muhamamd Fakhar-ul-Haq Noori, Seminar Topic: **"Majeed Amjad Seminar"**. Article Topic: **"Majeed Amjad: Mamooli Tajarbat ka Ghair Mamooli Shaer"**. Organized by: Urdu Department, Govt. College University, Faisalabad, 11 December 2014.
- iii. Prof. Dr. Muhamamd Fakhar-ul-Haq Noori, Seminar Topic: **"Hali o Shibli: Aik Roza Qoumi Seminar"**. Article Topic: **"Majeed Amjad: Mamooli Tajarbat ka Ghair Mamooli Shaer"**. Organized by: Urdu Department, Oriental College, Punjab University, Old Campus, Lahore 6 May 2015.
- iv. Prof. Dr. Zahid Munir Amir, Seminar Topic: **"Hali o Shibli Sadi: Aid Roza Qoumi Seminar"**. Article Topic: **"Shibli Nomani on Education"**. Organized by: Urdu Department, Oriental College, Punjab University, Lahore, 6 May 2015.
- v. Prof. Dr. Zahid Munir Amir, Seminar Topic: **"Freedom of Expression, Glocal Politics of Emotions"**. Article Topic: **"Presented Research Paper"**. Organized by: Institute of Communication Studies Punjab Univeristy Lahore / Awari Hotel Lahore, Nov. 3, 2015.
- vi. Prof. Dr. Zahid Munir Amir, Seminar Topic: "International Conference on Iqbal". Article Topic: **"Addressed an academic session on Persian Language and Literature in Sub Continent"**. Organized by: Hoza e Hunari Tehran, Iran, June 17, 2015.
- vii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "International Conference on Iqbal". Article Topic: "Addressed a meeting with Governor Isphihaan and presented bilingual poetry". Organized by: Governor house Isphihaan (Iran), June 16, 2015.
- viii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "International Conference on Iqbal Lahorion Art of Translation". Article Topic: "Addressed an academic session ". Organized by: Hozae Hunari Tehran, June 15, 2015.
- ix. Prof. Dr. Zahid Munir Amir, Seminar Topic: "International Conference on Iqbal". Article Topic: "Delivered Speech in Persian Inaugural session". Organized by: ECO Cultural Institute Tehran, June 14, 2015.
- x. Prof. Dr. Zahid Munir Amir, Seminar Topic: "International Conference on Iqbal". Article Topic: "Muhammad Iqbal on Religious Discourse". Organized by: Hoza e Hunari under the auspices of ECO Cultural Institute Tehran, June 14, 2015.



- xi. Prof. Dr. Zahid Munir Amir, Seminar Topic: "Launching Ceremoney of book *Nisbatain*". Article Topic: "Presented research paper captioned *Khurshid Rizvi ki Naat*". Organized by: Naat Markaz, Alhamra Hall 3 Lahore, June 7, 2015.
- xii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*Importance of Moral Values in Social Life*". Article Topic: "Delivered key note lecture". Organized by: Police Training College, Lahore, May 19, 2015.
- xiii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*First Hayatian Literary Conference*". Article Topic: "*Iqbal as a book lover*". Organized by: University of Gujrat, Gujrat, April 21, 2015.
- xiv. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*International Conference on South Asian Literary Traditions*". Article Topic: "*Iqbal: An Epoch Making Humanist in South Asian Literature*". Organized by: Gormani Centre for Languages and Literture Lahore University of Management Sciences Lahore, April 10-11, 2015.
- xv. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*Altaf Hussain Halli (1914-2014) Saad Saala Barsi Qaumi Conference*". Article Topic: "*Hayat e Hali ka aik Warq*". Organized by: Iqbal Hall, Quaid e Azam Library Bagh e Jinnah, Lahore, March 16, 2015.
- xvi. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*International Conference on Tolerance and Peace in Religions*". Article Topic: "*Muhammad Iqbal on Peaceful Co Existence.*". Organized by: Faculty of Arts, Cairo University Cairo , Egypt., Feb. 21-22, 2015.
- xvii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*International Conference on Literature, Society & Reconstruction*". Article Topic: "Literature, Society and Future". Organized by: Department of Urdu, Shah Abdul Latif University, Khairpur Sindh, Pakistan in collaboration with HEC Pakistan, Jan 13-14, 2015.
- xviii. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*One Day National Iqbal Seminar*". Article Topic: "*Insan ka Haqeeqi Inkishaf aur Iqbal.*". Organized by: Deapartment of Urdu GC University Faisalabad., Nov, 27, 2014.
- xix. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*Iqbal and Seerat-e-Rasool P.B.U.H*". Article Topic: "Key note address". Organized by: Thinkers Forum/Seerat Study Centre Sialkot., Nov, 23, 2014.
- xx. Prof. Dr. Zahid Munir Amir, Seminar Topic: "*Karbala as a Metaphr in Urdu Poetry.*". Article Topic: "Key note address". Organized by: Gurmani Centre for Language & Literature Lahore University of Management Sciences (LUMS), Oct 31, 2014.
- xxi. Dr. Baseera Ambreen, Seminar Topic: "***Hali o Shibli Sadi: Aid Roza Qoumi Seminar***". Article Topic: " ". Organized by: Urdu Department, Oriental College, Punjab University, Lahore, 6 May 2015.
- xxii. Dr. Baseera Ambreen, Seminar Topic: "***Seminar on Iqbal***". Article Topic: ***Naya Zamana Naey Suboh o Sham Paida Kar***. Organized by: Urdu Department, G.C University, Faisalabad, 2015.



- xxiii. Dr. Zia-ul-Hassan, Seminar Topic: **“Hali o Shibli Sadi: Aid Roza Qoumi Seminar”**. Article Topic: **“Hali aur Jadid Urdu Ghazal”**. Organized by: Urdu Department, Oriental College, Punjab University, Lahore, 6 May 2015.
- xxiv. Dr. Nasir Abbas Nayyar, Seminar Topic: **“Hali o Shibli Sadi: Aid Roza Qoumi Seminar”**. Article Topic: **“Do Jazbiat Kay Tanazur Maen Shibli ki Tanqeed ka Tajzia”**. Organized by: Urdu Department, Oriental College, Punjab University, Lahore, 6 May 2015.
- xxv. Arifa Shehzad, Seminar Topic: **“Hali o Shibli Sadi: Aid Roza Qoumi Seminar”**. Article Topic: **“Majeed Amjad ki Shaery kay Angrezi Tarajim”**. Organized by: Urdu Department, Oriental College, Punjab University, Lahore, 6 May 2015.

UNIVERSITY ORIENTAL COLLEGE

تفصیل کالج کے تدریسی شعبہ جات کی رپورٹ میں درج ہے۔ O

کالج کے شعبہ جات کی نصابی / غیر نصابی سرگرمیاں: O

(1) 9 نومبر 2014ء کو شعبہ فارسی اور اینٹل کالج کے تعاون سے علامہ اقبال کے حوالے سے شیرانی ہال میں کانفرنس منعقد ہوئی۔ جس میں ڈاکٹر محمد اکرم شاہ،

چیزمین شعبہ اقبالیات اور دیگر سکالرز حضرات نے اظہار خیال کیا۔

(2) 12 نومبر 2014ء کو اور اینٹل کالج کے تمام تدریسی شعبہ جات میں ایم۔ اے کی سطح پر نئے تعلیمی سیشن 2014-15ء میں داخل ہونے والے طلبہ کے

اعزاز میں اجتماعی استقبالیہ تقریب شیرانی ہال میں منعقد ہوئی۔ جس کی صدارت جناب وائس چانسلر صاحب نے کی۔

(3) 26-27 نومبر 2014ء کو اور اینٹل کالج کے شیرانی ہال میں پہلی عطائے اسناد (کانو وکیشن) کی تقریب منعقد ہوئی۔ جس میں کالج کے تمام شعبہ جات سے

سیشن 2010-11-12 تین سالوں کے فارغ التحصیل ہونے والے ایم۔ اے، ایم۔ فل کے 166 طلبہ میں ڈگریاں تقسیم کی گئیں۔ تقریب کی صدارت جناب

وائس چانسلر صاحب نے کی۔

(4) 2 دسمبر 2014ء کو یوم اقبال کے حوالے سے قومی سطح پر سیمینار شیرانی ہال میں منعقد ہوا۔ جس کی صدارت جناب وائس چانسلر صاحب نے کی۔ ڈاکٹر خواجہ

محمد زکریا، ڈاکٹر رفیع الدین ہاشمی، ڈاکٹر محمد اکرم اکرام نے اقبال کے حوالے سے خصوصی خطاب کیا۔ ڈاکٹر محمد فخر الحق نوری نے کلام اقبال ترنم کے ساتھ پیش کیا۔

(5) 8 دسمبر 2014ء کو ملکی سطح پر محکمہ اوقاف پنجاب اور اینٹل کالج کے تعاون سے سید ہجویر تصوف سیمینار منعقد ہوا۔ جس کے مہمان خصوصی جناب میاں

عطاء محمد مانیکا، وزیر اوقاف و مذہبی امور پنجاب تھے۔ سیمینار کی صدارت جناب وائس چانسلر صاحب نے کی اور اس کے علاوہ دیگر علماء کرام کی کثیر تعداد نے شرکت کی۔

(6) 19 دسمبر 2014ء کو اور اینٹل کالج شیرانی ہال میں ملک میں جاری حالیہ دہشت گردی کے پیش نظر حفاظتی اقدامات اور احتیاطی تدابیر اختیار کرنے کے ضمن

میں کالج کے تمام شعبوں کے اساتذہ کرام، ملازمین اور طلبہ کی کثیر تعداد نے شرکت کی۔ اجلاس میں پولیس کی طرف سے جاری کردہ ترقیتی پروگرام اور حفاظتی

اقدامات کے بارے میں ڈاکٹر محمد ناصر چیزمین سکیورٹی کمیٹی نے خصوصی لیکچر دیا۔

(7) 2-3-4 فروری 2015ء کو شعبہ فارسی، خانہ فرہنگ اور اینٹل کالج کے تعاون سے ملکی سطح پر کالجوں میں فارسی پڑھانے والے اساتذہ کار لٹریچر کورس

کروایا گیا۔



(8) 16- اپریل 2015ء کو 119 ویں سالانہ کھیلوں کی تقریب تقسیم انعامات کی تقریب شیرانی ہال میں منعقد ہوئی۔ اس تقریب کی مہمان خصوصی ڈاکٹر شازیہ نورین قریشی پرنسپل لاء کالج تھیں۔ جیتنے والے طلباء طالبات میں میڈلز، شیڈلز اور ٹرافیوں تقسیم کی گئیں۔

(9) 22-23 اپریل 2015ء کو شیرانی ہال میں بابا فرید گنج شکر انٹرنیشنل پنجابی کانفرنس منعقد ہوئی۔ جس کی صدارت جناب وائس چانسلر صاحب نے کی۔ 23 اپریل کو شعبہ پنجابی کا پنجابی مشاعرہ سبزہ زار گراؤنڈ میں منعقد ہوا۔ جس میں پروفیسر ڈاکٹر ناشر نقوی (انڈیا)، محترمہ شازیہ قریشی (ڈین و پرنسپل لاء کالج) جناب طالب جتوئی (سایہ وال) اور دیگر شعراء نے اپنا کلام پیش کیا۔

(10) 6 مئی 2015ء کو شعبہ اردو کے تعاون سے حالی، شبلی صدی پر قومی سیمینار شیرانی ہال میں منعقد ہوا جس کی صدارت جناب وائس چانسلر صاحب نے کی جب کہ مہمان خصوصی جناب انتظار حسین تھے۔ 7 مئی کو بیاد حالی و شبلی مشاعرہ فیصل آڈیٹوریم نیو کیمپس میں منعقد ہوا۔ جس کی صدارت جناب وائس چانسلر صاحب نے کی اور مہمان خصوصی ڈاکٹر شازیہ نورین قریشی صاحبہ (ڈین و پرنسپل لاء کالج) تھیں۔

(11) 27 مئی 2015ء کو بین الاقوامی بھویری کانفرنس شعبہ فارسی کے تعاون سے منعقد ہوئی۔ جس کی صدارت جناب وائس چانسلر صاحب نے کی جس میں ملکی و غیر ملکی سکالرز حضرات نے اظہار خیال کیا۔

(12) 18- اگست 2015ء کو جشن آزادی کے حوالے سے اورینٹل کالج کے تمام اساتذہ کرام کا پروگرام ایوان اساتذہ میں منعقد ہوا۔ جس کی صدارت ڈاکٹر خواجہ محمد زکریا اور ڈاکٹر سید محمد اکرم شاہ نے کی۔

(13) 11 ستمبر 2015ء کو قائد اعظم کی یوم وفات کے حوالے سے ایک دعائیہ تقریب منعقد ہوئی۔ جس میں کالج کے اساتذہ کرام، طلبہ اور ملازمین کی کثیر تعداد نے شرکت کی۔ تقریب کی صدارت جناب پرنسپل صاحب نے کی جب کہ مہمان خصوصی ڈاکٹر سید محمد اکرم شاہ تھے۔ اورینٹل کالج میگزین: کالج لٹریچر و تحقیقی مجلہ ”اورینٹل کالج میگزین“ 1925ء سے مسلسل شائع ہو رہا ہے جس کا شمار دنیا اہم تحقیقی مجلوں میں ہوتا ہے۔ o تحقیقی تعاون:

تفصیل کالج کے تدریسی شعبہ جات کی رپورٹ میں درج ہے۔ o

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

1. Research & Development 2014-15

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



2. Projects:

I. Completed (**duration, sponsoring agency, funding**)

Total 09 Projects funded by University of the Punjab in the field of Pharmacy have been completed in the year 2014-15

II. Newly launched

More than 12 faculty members applied for newly launched projects funded by University of the Punjab this year.

III. Dr. Nasir Abbas has been awarded H.E.C. Project under NRPU scheme.

3. Publications: Books/ Edited

- I. Nadeem Irfan Bukhari, Biopharmaceutics and Pharmacokinetics – An activity based learning (2nd Edition) Reprint 3, Raaz Publishers, Lahore Pakistan
- II. Prof. Dr. Khalid Hussain, Practical Manual for instrumentation and pharmaceutical Analysis. Pharm D student (3rd Edition), Raaz Publishers, Lahore Pakistan
- III. Imran Tariq, Practical Approach for Pharmaceutical dispensing for Pharm D student (2nd Edition), Raaz Publishers, Lahore Pakistan.
- IV. Amjad Hussain, Manual of Clinical Pharmacy for Pharm D student (4th Edition), Raaz Publishers, Lahore Pakistan.
- V. Pervaiz Akhter Shah, Practical Manual of industrial Pharmacy for Pharm D student (Revised Edition), Raaz Publishers, Lahore Pakistan.

4. Publications :

- I. Prof. Dr. Nadeem Irfan Bukhari, Protective role of lactobacillus acidophilus against aflatoxin b1-induced immunosuppression.
- II. Prof. Dr. Nadeem Irfan Bukhari, Reduction in chemotherapy order errors with computerised physician order entry and clinical decision support systems.
- III. Prof. Dr. Nadeem Irfan Bukhari, Is folklore use of Euphorbia helioscopia devoid of toxic effects?
- IV. Prof. Dr. Nadeem Irfan Bukhari. Self-medication, home remedies, and spiritualhealing: common responses to everyday symptoms in Pakistan.
- V. Prof. Dr. Nadeem Irfan Bukhari, Development and in-vitro evaluation of floating gastro-retentive matrix tablet for a model water soluble drug prepared with the novel blends of chitosan and olycaprolactone.
- VI. Prof. Dr. Nadeem Irfan Bukhari, In-vitro antimicrobial susceptibility testing of leaves methanol extract and latex of Euphorbia helioscopia using agar wall diffusion and broth dilution methods.
- VII. Prof. Dr. Nadeem Irfan Bukhari, Evaluation of extracts of seeds of syzygium cumini L. for hepatoprotective activity using CCl4-induced stressed rats.



- VIII. Prof. Dr. Nadeem Irfan Bukhari, Evaluation of anti-angiogenic activity of latex and extracts of *Euphorbia helioscopia* using Chorioallantoic membrane (CAM) assay.
- IX. Prof. Dr. Nadeem Irfan Bukhari, Quantification of residual crystallinity of ball-milled, commercially available, anhydrous β -lactose by differential scanning calorimetry and terahertz spectroscopy.
- X. Prof. Dr. Nadeem Irfan Bukhari, Quantification of residual crystallinity in ball milled commercially sourced lactose monohydrate by thermo-analytical techniques and terahertz spectroscopy.
- XI. Prof. Dr. Nadeem Irfan Bukhari, Anti-nociceptive, anti-inflammatory and anti-pyretic activities of latex and leaves methanol extract of *Euphorbia helioscopia*.
- XII. Prof. Dr. Khalid Hussain, Development of a validated colorimetric assay method for estimation of amikacin sulphate in bulk and injectable dosage form.
- XIII. Prof. Dr. Khalid Hussain, Cytotoxic effect of methanol extract of *Conyza bonariensis* on DMBA induced skin carcinogenesis; An in vivo study.
- XIV. Prof. Dr. Khalid Hussain, Antioxidant activity and isolation studies of extracts of seeds of *Syzygium cumini* L.
- XV. Prof. Dr. Khalid Hussain, Attributable causes of chronic kidney disease in adults: a five year retrospective study in a tertiary-care hospital in the northeast of the Malaysian peninsula.
- XVI. Prof. Dr. Khalid Hussain, Patterns of Medication use in Chronic Kidney Disease Stage 5d: Emphasis on Medications for The Management of Ckd-Mbd.
- XVII. Prof. Dr. Khalid Hussain, Erectile dysfunction: Prevalence, comorbidities, risk factors and involvement of β -blockers Manifestation of sexual dysfunction due to antihypertensive therapy, hypertension and comorbidities.
- XVIII. Prof. Dr. Khalid Hussain, Caffeic acid-based pharmacokinetics of methanol extract of seeds of *Syzygium cumini* L.
- XIX. Dr. Amjad Hussain, Formulation and evaluation of anti-rheumatic dexibuprofen transdermal patches: a quality-by-design approach.
- XX. Dr. Amjad Hussain, Formulation Optimization and In-vitro Evaluation of Oral Floating Captopril Matrix Tablets using Factorial Design

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

6. Research Journals 2014-15 (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"

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

Data provided at Sr. No. 5



1	20-11-2015	Pharmacy Practice Research in Pakistan	Mr. Furqan Khurshid Hashmi	PU, Pakistan/USM, Malaysia
2	04-06-2015	Training session for graduating students	Faheel Siddiqui (HR Manager)	OBS Pharma
3	13-03-2015	Next generation medicine and future pharmaceuticals	Dr. Zeeshan Danish	University College of Pharmacy
4	05-03-2015	Role of Pharmacist in community pharmacy and his impact of health and Safety	Asif Farooq Awan Imran Yousaf	DDC, Multan Registered Pharmacist New York, USA
5	13-02-2015	Traffic awareness in university students	Muhammad Azhar (SP, traffic)	City Traffic Police Lahore

8. 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

2.2 Projects:

2.2.1 Completed

Sr. No.	Duration	Sponsoring Agency	Funding
1.	3Years	Higher Education Commission	38.533 (million)

2.2.2 Newly Launched

Sr. No.	Duration	Sponsoring Agency	Funding
1.	½ Years	Higher Education Commission	0.500 (million)
2.	½ Years	Higher Education Commission	0.500 (million)
3.	3 Years	Higher Education Commission	11.160 (million)



2.3 Publications

2014

- MZ. Butt, D. Ali, N-ul-Aarifeen and **S. Naseem**
Structural and optical properties of CR-39 polymer implanted with laser produced plasma ions of iron Physica B: Condensed Matter, 454, 2014, 179
- MZ. Ansar, D. Ali, MU. Tanveer and **S. Naseem**
Frequency and temperature dependent dielectric response of Fe_3O_4 nano-crystallites Journal of Scientific Research, 6, 2014, 399
- I. Sadiq, I. Ali, E. Rebrov, **S. Naseem**, MN. Ashiq and MU. Rana
Nanosized Ce-Zn substituted microwave absorber material for X-band applications Journal of Magnetism and Magnetic Materials, 370, 2014, 25
- SMH. Shah, A. Akbar, **S. Riaz**, **S. Atiq** and **S. Naseem**
Effect of Solvent on the ferromagnetic behavior of undoped BiFeO_3 prepared by sol-gel IEEE Transactions on Magnetics, 50, 2014, 2200904
- S. Islam, R. Rahman, Z. Ottoman, **S. Riaz** and **S. Naseem**
Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application Journal of Industrial and Engineering Chemistry, 20, 2014, 4408
- K. Ullah, **S. Riaz**, M. Habib, F. Abbas, **S. Naseem** and G. Abbas
Effect of high temperature on the impact ionization of n-channel fully depleted SOI MOSFET International Journal of Engineering Works, 1, 2014, 48
- ZN. Kayani, **S. Riaz** and **S. Naseem**
Structural and magnetic properties of the thin film of cobalt nitride Surface Review and Letters, 21, 2014, 1450081
- S. Anjum, A. Rashid, F. Bashir, **S. Riaz** M. Pervaiz and R. Zia
Effect of Cu-Doped Nickel Ferrites on Structural, Magnetic and Dielectric Properties IEEE Transactions on Magnetics, 50, 2014, 2200504
- G. Murtaza, R. Ahmad, MS. Rashid, M. Hassan, A. Hussnain, MA. Khan, ME-UL-Haq, MA. Shafique and **S. Riaz**
Structural and magnetic studies on Zr doped ZnO diluted magnetic semiconductor Current Applied Physics, 14, 2014, 176
- **A. Afaq** and K. Farooq
Photo-detachment of a non-collinear triatomic anion Brazilian Journal of Physics, 44(6), 2014, 609



- L. Mustafa, S. Anjum, S. Waseem, R. Zia, R. Choudhry, SM. Ramay, A. Mahmood, **S. Atiq** and S-Ud-din Khan
Investigation of structural, magnetic and optical properties of ZnO codoped with Co and Cd Advances in Condensed Matter Physics, 2014, 2014, 362864
- A. Mahmood, SM. Ramay, YS. Al-Zaghayer, **S. Atiq**, I. Ahmad, MA. Shar and SD. Khan Study the structure and the performance of thermal/plasma modified Au nanoparticles-doped TiO₂ photocatalysts Modern Physics Letters B, 28(26), 2014, 1450208

2015

- H. Faiz, K. Siraj, MS. Rafique, **S. Naseem** and AW. Anwar
Effect of Zn induced compressive stresses on different properties of copper oxide thin films Indian Journal of Physics, 89, 2015, 353
- I. Sadiq, **S. Naseem**, MU. Rana, MN. Ashiq and I. Ali
Temperature dependent magnetic and microwave absorption properties of doubly substituted nanosized materials
Journal of Magnetism and Magnetic Materials, 385, 2015, 236
- M. Farooq, S. Alam, A. Imran, **S. Naseem** and SF. Shaukat
Comparative study of tribological properties of thermal barrier coatings on mild steel and stainless steel substrates Journal of Faculty of Engineering & Technology, 21, 2015, 92
- B. Bushra, H. Shehla, M. Madhuku, A. Ishaq, R. Khan, M. Arshad, K. Alamgir, **S. Naseem** and M. Maaza
MeV Carbon ion irradiation-induced changes in the electrical conductivity of silver nanowire networks Current Applied Physics, 15, 2015, 642
- I. Sadiq, I. Khan, EV. Rebrov, MN. Ashiq, **S. Naseem**, I. Shakir and MU. Rana
Influence of Sm-Mn substitution on structural, dielectric and electrical properties of X-type hexagonal nanoferrites Journal-Chemical Society of Pakistan, 37, 2015, 33
- S. Honey, S. Khan, J. Iqbal, M. Madhuku, A. Ishaq, **S. Naseem** and M. Malik
Proton irradiation induced coalescence in silver nanowires Current Nanoscience, 11, 2015, 792
- MZ. Butt, M. Khaleeq-ur-Rahman, D. Ali, A. Akmal and **S. Naseem**
Deposition and characterization of multilayer DLC: Mo thin films grown on silicon substrate by off-axis pulsed laser deposition techniques. Applied Surface Science, 331, 2015, 407
- H. Shehla, A. Ali, S. Zongo, I. Javed, A. Ishaq, H. Khizar, **S. Naseem** and M. Maaza



Fabrication of amorphous silver nanowires by helium ion beam irradiation. Chinese Physics Letters, 32, 2015, 096101

- H. Faiz, K. Siraj, MS. Rafique, **S. Naseem** and AW. Anwar
Effect of Zn induced compressive stresses on different properties of copper oxide thin films. Indian Journal of Physics, 89, 2015, 353
- K. Ullah, **S. Riaz**, M. Habib, F. Abbas, **S. Naseem**, I. Shah and A. Bukhtiar
Effect of channel doping concentration on the impact ionization of n-channel fully depleted SOI MOSFET". International Journal of Engineering Works, 2, 2015, 1
- N. Zafar, S. Shamaila, R. Sharif, H. Wali, **S. Naseem**, **S. Riaz** and M. Khaleeq-ur-Rahman
Effects of pH on the crystallographic structure and magnetic properties of electro-deposited Co nano-wires. Journal of Magnetism and Magnetic Materials, 377, 2015, 215
- ZN. Kayani, F. Kiran, **S. Riaz**, R. Zia and **S. Naseem**
Dip coated nickel zinc oxide thin films: structural, optical and magnetic investigation. Superlattices and Microstructures, 77, 2015, 171
- MS. Akhtar, A. Malik, **S. Riaz**, **S. Naseem** and PO. Brian
Optimizing conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths. Materials Science in Semiconductor Processing, 30, 2015, 292
- MS. Akhtar, YG. Alghamdi, MA. Malik, MRA. Khalil, **S. Riaz** and **S. Naseem**
Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition. Journal of Materials Chemistry C, 3, 2015, 7228
- M. Farooq, A. Imran, S. Alam, **S. Riaz**, **S. Naseem** and SF. Shaukat
Friction and wear assessment of yttria stabilized zirconia thermal barrier coating produced by plasma spraying method. Journal of Faculty of Engineering & Technology, 22, 2015, 1
- ZN. Kayani, F. Nazir, **S. Riaz** and **S. Naseem**
Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method. Superlattices and Microstructures, 82, 2015, 472
- **S. Riaz**, M. Bashir and **S. Naseem**
Synthesis of stabilized zirconia hollow nanoparticles: sugar as a template. Journal of Sol-Gel Science and Technology, 74, 2015, 275
- M. Bashir, **S. Riaz**, and **S. Naseem**



Fe₃O₄ stabilized zirconia: structural, mechanical and optical properties. Journal of Sol-Gel Science and Technology, 74, 2015, 281

- M. Bashir, **S. Riaz**, ZN. Kayani and **S. Naseem**
Effects of organic additives on dental zirconia ceramics: Structural and mechanical properties. Journal of Sol-Gel Science and Technology, 74, 2015, 290
- **S. Riaz** and **S. Naseem**
Controlled nanostructuring of TiO₂ nanoparticles: a sol-gel approach
Journal of Sol-Gel Science and Technology, 74, 2015, 299
- F. Majid, **S. Riaz** and **S. Naseem**
Microwave-assisted sol-gel synthesis of BiFeO₃ nanoparticles
Journal of Sol-Gel Science and Technology, 74, 2015, 310
- A. Akbar, **S. Riaz**, R. Ashraf and **S. Naseem**
Magnetic and magnetization properties of iron oxide thin films by microwave assisted sol-gel routes. Journal of Sol-Gel Science and Technology, 74, 2015, 320
- M. Azam, **S. Riaz**, A. Akbar and **S. Naseem**
Structural, magnetic and dielectric properties of spinel MgFe₂O₄ by sol-gel route
Journal of Sol-Gel Science and Technology, 74, 2015, 340
- S. Islam, R. Rahman, **S. Riaz**, **S. Naseem** and Z. Othaman
Structural and dielectric properties of boron doped and un-doped mullite thin films. Journal of Sol-Gel Science and Technology, 74, 2015, 368
- MS. Akhtar, MA. Malik, **S. Riaz** and **S. Naseem**
Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT Studies. Materials Chemistry and Physics, 160, 2015, 440
- S. Islam, N. Bidin, **S. Riaz**, RA. Rahman, **S. Naseem** and FM. Marsin
Mesoporous SiO₂-TiO₂ nanocomposite for pH sensing. Sensors and Actuators B-Chemical, 221, 2015, 993
- M. Nadeem, M. Ahmed, MA. Saeed, A. Sharri, **S. Riaz**, **S. Naseem** and K. Rashid
Uptake and clearance analysis of technetium99m labeled iron oxide nanoparticles in a rabbit brain. IET Nanobiotechnology, 9, 2015, 136
- A. Hassan, MA. Khan, M. Shahid, M. Ashar, I. Shakir, **S. Naseem**, **S. Riaz** and MF. Warsi . Nanocrystalline Zn_{1-x}Co_{0.5x}Ni_{0.5x}Fe₂O₄ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties
Journal of Magnetism and Magnetic Materials, 393, 2015, 56



- MS. Akhtar, MA. Malik, YG. Alghamdi, KS. Ahmad, **S. Riaz** and **S. Naseem**
Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties. Materials Science in Semiconductor Processing, 39, 2015, 283
- S. Islam, R. Rahman, Z. Othaman, **S. Riaz** and **S. Naseem**
Synthesis and characterization of multilayered sol-gel based plastic fiber optic pH sensor. Journal of Industrial and Engineering Chemistry, 23, 2015, 140
- **S. Riaz**, SMH. Shah, A. Akbar, **S. Atiq** and **S. Naseem**
Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO₃ thin films. Journal of Sol-Gel Science and Technology, 74, 2015, 329
- MZ. Ansar, **S. Atiq**, **S. Riaz**, **S. Naseem**, SM. Ramay and A. Mahmood
Synthesis and investigating the magnetic properties of magnetite nanocrystals for drug delivery. Modern Physics Letters B, 29, 2015, 1550122
- SMH. Shah, **S. Riaz**, **S. Atiq**, A. Mahmood, SM. Ramay and **S. Naseem**
BiFeO₃ thin films-Structural and dielectric properties. Science International, 27, 2015, 3077
- SMH. Shah, **S. Riaz**, **S. Atiq**, A. Mahmood, SM. Ramay and **S. Naseem**
Structural and dielectric properties of La doped BiFeO₃ thin films". Science International, 27, 2015, 3081
- BU. Haq, **A. Afaq**, G. Abdellatif, R. Ahmed, **S. Naseem** and R. Khenata
First principles study of scandium nitride and yttrium nitride alloy system: prospective material for optoelectronics. Superlattices and Microstructures, 85, 2015, 24
- B-UL- Haq, R. Ahmed, A. Shaari, **A. Afaq**, BA. Tahir and R. Khenata
First-principles Investigations of Mn doped zinc-blende ZnO based Magnetic Semiconductors: Materials for Spintronic applications. Materials Science in Semiconductor Processing, 29, 2015, 256
- Iqbal A and **A. Afaq**
Photo-detachment of H⁻ near a hard wall with arbitrary laser polarization. Chinese Physics B, 24, 2015, 83201
- G. Nazir, **A. Afaq**, MF. Khan, S.Tariq
Putting DFT to the Trial: First principles pressure dependent analysis on optical properties of cubic perovskite SrZrO₃. Computational Condensed Matter, 4, 2015, 32
- S. Tariq , **A. Afaq** , S. Saad, and S. Tariq



Structural, electronic and elastic properties of the cubic CaTiO_3 under pressure: A DFT study. AIP, Advances, 5, 2015, 077111

- A. Iqbal, **A. Afaq**, RJ. Amjad
Photo-detachment of H- near Inelastic Surfaces: Arbitrary Laser Polarization Direction. International Journal of Quantum, Chemistry, 15, 2015, 1526
- M. Saleem, MS. Anwar, A. Mahmood, **S. Atiq**, SM. Ramay and SA. Siddiqi
Defects induced magnetization in B-doped ZnFeO dilute magnetic semiconductors. Physica B: Condensed Matter, 465, 2015, 16
- A. Mahmood, SM. Ramay, YS. Al. Zaghayer, **S. Atiq**, M. Saleem, Waheed A. Al-Masary, and S. Haider. Synthesis, structural and magnetic behavior of undoped and Mn-doped anatase TiO_2 nanoparticles
Modern Physics Letters B, 29, 2015,
- **MA. Raza**, HJW. Zandvliet, B. Poelsema and ES. Kooij
Hydrophobic surfaces with tunable dynamic wetting properties via colloidal assembly of silica microspheres and gold nanoparticles
Journal of Sol-Gel Science and Technology, 74, 2015, 357

2.4 Conferences, Seminars and Workshops, etc.

2015

1. **S. Riaz**, **S. Naseem** and XF. Han
Citric acid coated iron oxide nanoparticles- Structural and magnetic properties
IEEE Magnetism Conference (INTERMAG), Beijing, China, May 11-15, 2015
2. M. Bashir, R. Ashraf, A. Akbar, **S. Riaz** and **S. Naseem**
Effect of calcination on structural and magnetic properties of Co-doped ZnO nanostructures
IEEE Magnetism Conference (INTERMAG), Beijing, China, May 11-15, 2015
3. **S. Atiq**, SM. Ramay, A. Mahmood, **S. Riaz** and **S. Naseem**
Magnetically re-cycleable Pd-modified NiFe_2O_4 nanoparticles
IEEE Magnetism Conference (INTERMAG), Beijing, China, May 11-15, 2015
4. I. Ali, J. Jiang, **S. Naseem**, A. Sadaqat and MK. Khan
Fabrication of Screen Printed Optoelectronic CdS/CdTe device
International Conference on Optical Instruments and Technology: Micro/Nano Photonics and Fabrication, Beijing, China, May 17, 2015
5. **S. Atiq**, SA. Siddiqi, HS. Ko, **S. Riaz**, **S. Naseem** and SC. Shin
Epitaxial growth and magnetic characterization of $\text{Y' Fe}_4\text{N}$ thin films
IEEE Magnetism Conference (INTERMAG), Beijing, China, May 11-15, 2015
6. **SS. Hussain**, M. Imran, **S. Riaz** and **S. Naseem**



Variations in Structural and Magnetic Properties of Sol- Gel deposited Hematite-Dependence on Annealing Conditions, International Conference Sustainable Materials Science and Technology (SMST-15), Paris, 15-17 July, 2015

7. **H. Noor**, M. Tahir, **S. Riaz**, K. Abid and **S. Naseem**
Surface Studies of La doped Bismuth Iron Oxide Nano-particles by Scanning Kelvin Probe System, International Conference Sustainable Materials Science and Technology (SMST-15), Paris, 15-17 July, 2015
8. **H. Noor**, H. Yousaf, MA. Naseer, N. Iqbal, N. Tariq, **S. Riaz** and **S. Naseem**
Ball Milling Effect on Structural, Optical and Dielectric Properties of Y_2O_3 , International Conference Sustainable Materials Science and Technology (SMST-15), Paris, 15-17 July, 2015
9. GM. Mustafa, M. Azam, **S. Atiq**, **S. Riaz** and **S. Naseem**
Dielectric characterization of XAl_2O_4 (X = Mg, Zn, Ni) spinel ceramics
2nd Conference on Frontiers of Nanoscience and Nanotechnology (CFNN-15) held by Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad, Pakistan, 08-10 September, 2015
10. M. Amir, **S. Atiq**, **S. Riaz** and **S. Naseem**
Effect of Ba-substitution at Sr-site on the structural and dielectric characteristics, of $SrMnO_3$, 2nd Conference on Frontiers of Nanoscience and Nanotechnology (CFNN-15) held by Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad, Pakistan, 08-10 September, 2015
11. K. Abbas, **S. Atiq**, **S. Riaz** and **S. Naseem**
Dielectric and magnetic characterization of sol-gel synthesized $SrMnO_3$ perovskite, 2nd Conference on Frontiers of Nanoscience and Nanotechnology (CFNN-15) held by Pakistan Institute of Nuclear Science & Technology (PINSTECH), Islamabad, Pakistan, 08-10 September, 2015

2.6 Research Collaboration

2.6.1 Indigenous

1.	University of Engineering & Technology, Lahore
2.	Lahore College for Women University, Lahore
3.	Islamia University Bahawalpur
4.	Bahauddin Zakaria University, Multan
5.	Govt. College University, Lahore
6.	Forman Christian College, Lahore
7.	National Centre of Physics, Islamabad

2.6.2 Foreign Linkages



1. School of Chemistry, University of Manchester. UK
2. Chinese Academy of Sciences, China
3. Laser Centre-University Technology Malaysia
4. Institute of Electronics York University, York, UK

CENTRE FOR HIGH ENERGY PHYSICS

- Publications

Report: During this period, CHEP faculty published 30 papers (attached annex-A).

- Conferences, Seminars and Workshops

Report:

1. CHEP literary society organized a seminar on the topic of Bilingual declamation competition in Urdu and English on 25th march 2015.
2. 7th International Meeting on particles and fields was hosted by CHEP from 1st April to 4th April 2015.
3. 1st Convocation of CHEP was organized by CHEP on 12th May 2015.

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 December 12 to 16, 2015.
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 researchers and signed an MOU with Institute of High Energy Physics (IHEP), Beijing, China for working on physics of Linear Accelerator at IHEP:
 - 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

Annex-A

Research publications for the period 1st Oct 2014 to 30th Sep 2015

1. Near-stability of quasi-minimal surface indicated through a tested curvature algorithm by Dr. Bilal Masud, Computers & Mathematics with Applications, 69 (10) May 2015
2. Automatic Ferrite Content Measurement based on Image Analysis and Pattern Classification, by Dr. Maqsood Ahmad, Mr. M. Anjum Javed, International Journal of Advanced Computer Science and Applications, 6 (5) May 2015
3. Quasideternant solutions of NC Painlevé II equation with the Toda solution at $n=1$ as a seed solution in its Darboux transformation, by Dr. Irfan Mahmood, Journal of Geometry and Physics, 95
4. Search for C-parity violation in $J/\psi \rightarrow \gamma\gamma$ and $\gamma\phi$
T.Hussain, A.A.Zafar, Q.A.Malik, Ablikim et al. (BESIII Collaboration), Phys. Rev. D 90, 092002 (2014).
5. Observation of $e^+e^- \rightarrow \pi^0\pi^0 h_c$ and a Neutral Charmoniumlike structure $Z_c(4020)0$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. Lett. 113, 212002 (2014)
6. Search for the weak decays $J/\psi \rightarrow D_s^* e^+ e^- + c.c.$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 90, 112014 (2014)
7. Observation of $J/\psi \rightarrow p\bar{p} a_0(980)$ at BESIII [Phys. Rev. D 90, 052009 (2014)] T.Hussain, A.A.Zafar, Q.A.Malik,
M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 039901 (2015)
8. Search for the $Y(4140)$ via $e^+e^- \rightarrow \gamma\phi J/\psi$ at $\sqrt{s}=4.23, 4.26$ and 4.36 GeV, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 032002 (2015).
9. Precision measurement of the D^*0 decay branching fractions T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 031101(R) (2015)
10. Study of $e^+e^- \rightarrow \omega\chi_c J$ at Center of Mass Energies from 4.21 to 4.42 GeV
T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. Lett. 114, 092003 (2015)
11. Study of $J/\psi \rightarrow \eta\phi\pi^+\pi^-$ at BESIII, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 052017 (2015)
12. Measurements of $\psi(3686) \rightarrow K^-\Lambda^0 + c.c.$ and $\psi(3686) \rightarrow \gamma K^-\Lambda^0 + c.c.$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 092006 (2015)



13. Measurement of $B(\psi(3770) \rightarrow \gamma \chi c1)$ and search for $\psi(3770) \rightarrow \gamma \chi c2$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 092009 (2015)
14. Observation of the electromagnetic doubly OZI-suppressed decay $J/\psi \rightarrow \phi \pi^0$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112001 (2015)
15. Measurement of the $e^+e^- \rightarrow \eta J/\psi$ cross section and search for $e^+e^- \rightarrow \pi^0 J/\psi$ at center-of-mass energies between 3.810 and 4.600 GeV, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112005 (2015)
16. Measurement of the proton form factor by studying $e^+e^- \rightarrow p p^-$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112004 (2015)
17. Study of χcJ decaying into $\phi K^*(892) K^-$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112008 (2015)
18. Search for $D^0 \rightarrow \gamma \gamma$ and improved measurement of the branching fraction for $D^0 \rightarrow \pi^0 \pi^0$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112015 (2015)
19. Searches for isospin-violating transitions $\chi c0,2 \rightarrow \pi^0 \eta c$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 91, 112018 (2015)
20. Observation of the $\psi(13 D2)$ State in $e^+e^- \rightarrow \pi^+ \pi^- \gamma \chi c1$ at BESIII, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. Lett. 115, 011803 (2015)
21. Observation of the Dalitz decay $\eta' \rightarrow \gamma e^+ e^-$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 012001 (2015)
22. Search for the isospin violating decay $Y(4260) \rightarrow J/\psi \eta \pi^0$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 012008 (2015)
23. Observation of the isospin-violating decay $J/\psi \rightarrow \phi \pi^0 f_0(980)$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 012007 (2015)
24. Measurement of the matrix elements for the decays $\eta \rightarrow \pi^+ \pi^- \pi^0$ and $\eta/\eta' \rightarrow \pi^0 \pi^0 \pi^0$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 012014 (2015)
25. Observation and Spin-Parity Determination of the $X(1835)$ in $J/\psi \rightarrow \gamma K^0 S K^0 S \eta$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. Lett. 115, 091803 (2015)
26. Search for $Z_c(3900)^\pm \rightarrow \omega \pi^\pm$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 032009 (2015)
27. Observation of $Z_c(3900)^0$ in $e^+e^- \rightarrow \pi^0 \pi^0 J/\psi$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. Lett. 115, 112003 (2015)
28. Amplitude analysis of the $\pi^0 \pi^0$ system produced in radiative J/ψ decays



- T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 052003 (2015),
29. Observation of $\eta' \rightarrow \omega e^+ e^-$, T.Hussain, A.A.Zafar, Q.A.Malik, M. Ablikim et al. (BESIII Collaboration), Phys. Rev. D 92, 051101(R) (2015)
30. Astroglial U87 cells protect neuronal SH-SY5Y cells from indirect effect of radiation by reducing DNA damage and inhibiting Fas mediated apoptotic pathway in coculture system by Mr. Abdul Rehman (Visiting Faculty), Neuro Chemical Research, 40

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

1. Isolation and Characterization of Bacterial Strains Isolated from Mountainous areas of Pakistan and their impact on crop production
2. Community-Based Ecotourism as a tool for Livelihood Enhancement in Hunza-Nagar: a case study of PassuGojal
3. Impact of Tourism on the Economic development of Hunza, Gilgit-Baltistan
4. Hydro-climatic variability and climate change acceleration in mountainous catchments (A case study of upper Indus Basin)
5. Flood forecasting by using hydrological models for the Poonch River, Mangla watershed
6. An appraisal the impact of altitudinal variability on climate and geology (A Comparative study of Saudia Arabia and Pakistan)"



7. Spatial variations in low flows of Upper Indus Basin, Pakistan
 8. evaluation of suitable design flood frequency method using statistical approaches for the mountainous catchments (a case study of Upper Indus Basin)
 9. Physiochemical Properties of Soil, Its Potential and Sustainable Land use Management of Danyoure Valley Gilgit-Baltistan
 10. Identification of Trekking Routes, Tourist Points and Promotion of Family Tourism. (A Case study of Chitral).
 11. Recent trends in observed temperature and precipitation extremes in the Mangla Basin, Upper Indus
 12. An Appraisal of Wateryield for the Mountainous Catchments (A Case Study of Indus Basin)
 13. Potential of soil fertility on barren land in D.I. Khan
 14. Evaluation and bias Correction of satellite rainfall data for flood forecasting in mountainous catchments (A case study of Pooch Basin)
 15. Ecotourism a tool to revitalizing socio ecological production landscapes towards creating resilient and sustainable societies in Kachura Valley Skardu
 16. Traditional uses of medicinal plants and its impacts on seocio-economic wellbeing of mountain communities – A Case study of Rattu Valley, District Astore.
 17. Traditional uses of Medicinal Plants and Its Impacts on Socio-Economic Wellbeing of Mountain Communities – A Case Study of Minimerg Valley, District Astore.
 18. Impact of spatial and temporal variability on landuse and sustainable Development in Gilgit-Baltistan
 19. Land Suitability Assessment for Maize and Wheat Crops in Ghizer
- **Research Projects funded by University of the Punjab**
 1. Hydro-climatic variability and climate change acceleration in mountainous catchments (a case study Upper Indus Basin). P.I Dr. Khalida Khan



- **Newly launched**

- An appraisal of climate change impacts on the hydrology of the mountainous catchment, Upper Indus Basin Pakistan. 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**

- Physiochemical and bacteriological analysis of drinking water and water born diseases in Murree and adjacent areas
- Integrated Database Management System For Disaster Risk Management
- Assessment of Agricultural Land Use Potential For Sustainable Agriculture Development/Management of Abbottabad District Using GIS/RS Tools
- Terrorism in Baluchistan causes and management to explore different opportunities through land resource management
- Impact of climate change on the forest cover of Sawat district using GIS/RS techniques
- The integral appraisal for green economic development toward sustainability and poverty alleviation in SAWAT valley
- The Economic Importance of Tea Cultivation for Sustainable Development in KPK. (A Case Study of Abbottabad and Mansehra Districts.)
- Air pollution and its impacts on drinking water quality, a comparative study of Lahore and Rawalpindi/Islamabad
- Assessment of physicochemical properties of soil and water for agri development in district Neelum, azad Jammu and Kashmir
- Assessment of ground water quality for sustainable management/development of vegetation cover and its impact on human health, Nowshera district KPK Pakistan
- Impact of spatial/temporal variability on the physico-chemical properties of soil for sustainable land use development of Nowshera district



- Flood plain mapping and risk analysis of Kabul river using remote sensing (RS) and GIS based hydrological modeling
- Assessment of physicochemical properties of soil and water for agri development in district Muzaffarabad , azad Jammu and Kashmir
- Physico-chemical analysis of drinking water quality of district Neelum, Azad Jammu and Kashmir
- Hydrological Drought analysis in Upper Indus Basin

❖ **Publications**

i. **Research Articles**

1. Khalida Khan & Atrif Rasheed, 2014. Sustainable agro and community forestry in localities around Ayubia National Park, Western, Himalayas, KPK, Pakistan. On line publication by The United Nations University Institute for Advanced Studies (UNU-IAS), Tokyo-Japan, <http://satoyama-initiative.org/en/sustainable-agro-and-community-forestry-in-localities-around-ayubia-national-park-western-himalayas-khyber-pakhtunkhwa-kpk-province-pakistan/>
2. Zakaullah, Ashraf, M., Afzal, M., Yaseen, M. and Khan, K., 2014 “Appraisal of sediment Load in Rain-fed Areas of Pothwar Region in Pakistan” Global Journal of Researches in Engineering: Volume 14 Issue 6 Version Online ISSN: 2249-4596 & Print ISSN: 0975-5861
3. Khalida Khan, M. Ikram, Rabia Faridi, Rana Amjad, M Naeem Ch, (2015), Perils of Eutrophication and spatio-temporal dynamics of Lake Kalar Kahar, Potohar Plateau, Salt Range, Pakistan, Sci.Int. (Lahore), 27 (3), 3341-3346, 2015 ISSN 1013-5316; CODEN: SINTE 8 3341
4. Khalida Khan, Ali Iqbal, Shaheen Khan, Aneela Sheikh, (2015), Impact of information and communication technology tools, Teachers, Student’s attitude and curriculum for English Learners as unified accomplishment, Sci.Int.(Lahore), 27(5), 4707-4713, 2015 ISSN 1013-5316; CODEN: SINTE 8 4707 Sept.-Oct
5. Khalida Khan, Muhammad Yaseen, Muhammad Afzal, Qamar-u-Zaman, 2015, APPRAISAL OF AIR BUBBLES DISCHARGE MEASUREMENT TECHNIQUE FOR DIFFERENT NOZZLE SIZES Sci.Int.(Lahore), 27(6), 6125-6130, 2015 ISSN 1013-5316; CODEN: SINTE 8 6125 Nov.-Dec.
6. Basit, E. M. A. Qureshi, K. Khan, R. Ullah and M. Ghous, 2015, An Assessment of the Prevalence of Household Food Insecurity in Pre-School Children in Various Income Levels in Rural Areas of Punjab, Pakistan, Pakistan Journal of Science Vol.66



7. M.Ghous and Khalida Khan and Abdul Basit, 2015, An assessment of household coping response of the vulnerable population of flood affected areas of KotAddu, District Muzaffargarh, Sci.Int.(Lahore), 27(2),1373-1380, 2015 ISSN 1013-5316; CODEN:
8. M. Ghous, K. Khalida, A. Basit, J. Hassan, 2015. Temporal Analysis of Urbanization and Resulting Local Weather Change: A Case Study of Lahore, Punjab, Pakistan. Sci.Int.(Lahore),27(2), 1281-1287,2015 ISSN 1013-5316;
9. Nausheen M., K. Khan, Ali I. Mirza, 2014. Socio-political impacts of draughts of Pakistan , in process International Journal of South Asian Studies
10. Akif Rahim Khalida Khan, Amina Akif¹ , Rehana Jamal, 2015, The Geo-statistical approach to assess the groundwater draught by using Standardized Water level Index (SWI) and Standardized Precipitation Index (SPI) in the Peshawar Region of Pakistan Sci.Int.(Lahore),27(5),4111-4117,2015 ISSN 1013-5316;
11. Khan, K.,Yaseen, M., Nabi, N., K.Impact of Altitudinal Variability on Stream-flows in Mountainous Catchments Under Changing Climate (Upper Indus Basin) Himalayas-Pakistan, Submitted American Journal of Water Resources USA
12. Akif Rahim Khalida Khan , Rehana Jamal , Nadeem Tariq, Amina Akif 2015, The spatio and temporal variations in the ground water potential due to urbanization in the Peshawar Region of Pakistan Sci.Int.(Lahore),27(3),2225-2233,2015 ISSN 1013-5316; CODEN:
13. Khalida Khan Muhammad Yaseen, Yasir Latif and Ghulam Nabi, 2015. Detection of river flow trends and variability analysis of Upper Indus Basin, Pakistan" Science International. (Lahore), 27 (2), 1261-1270.
14. Saira Batool, Khalida Khan 2015, Forest change detection and its impact on rainfall pattern in Thak Valley, Pakistan, Pakistan Journal of Science, Vol.66, No. 4
15. Fakhra Shahmim Khalida Khan, Habib-ur Rehman Athar and Abdul waheed, 2015 Protection of photosynthetic machinery by up-regulation of anti-oxidant enzymes in contrasting tomato genotypes under water stress, Pakistan Pak. J. Bot., Vol. 47 (7), Pp. 1231-1239, ISSN, 2070-3368.
16. Khan. Khalida, N. Chaudhary, S. Khan and S.R. Ahmad 2014, Assessment of diverse geo-environmental parameters for mitigation of an Upper catchment of Jhelum River Basin, NW Himalayas, Pakistan, Pakistan Journal of Science, Vol.66 No. 4, Pp. 731-739
17. 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 33 (2): 68-76
18. Muhammad Yaseen, Ghulam Nabi, Khalida Khan and Haris Akram Bhatti 2014, Effect of different bed configuration on flow resistance under different flow regimes in an open channel".Global Journal of Researches in Engineering, Vol. 14, issue 7, Version 1,0 Online ISSN: 2249-4596



19. Fakhra Shahmim Khalida Khan and Sana Khalid, 2015 Multivariate analysis of eleven genotypes of tomato at seeding stage under draught imposed by polyethylene glycol Science International (Lahore), Vol. 27 (5) pp 4359-4368, ISSN 1013-5316;
20. Fakhra Shamim, Khalida Khan, and Sana Khalid, 2015, Comparison among 12 exotic accessions of tomato (*Solanum lycopersicum* L.) for root and shoot development under polyethylene glycol induced water stress, Pakistan Journal of Phyto-pathology, ISSN 1019-763X
21. Fakhra Shamim, Khalida Khan, and Sana Khalid, 2015, Descriptive statistic and frequency distribution of one hundred and twenty tomato geotpes under PEG8000 to assess draught tolerance potential, Science International (Lahore), 1013-1016;
22. Sana Khalid, Fakhra Shamim, Sidra Bibi, Sumera Javed and Khalida Khan, 2015, Evaluation of antimicrobial potential of female cones and needles of chir pine (*Pinus roxburghii* Sarg.). Pakistan Journal of Phyto-pathology, ISSN 1019-763X
23. Sana Khalid, Fakhra Shamim, Zainab Mahboob, Khalida Khan, And Sumera Javed, 2015, Pharmacological analysis of different varieties of rice (*Oryza sativa* Linn.), Science International (Lahore), ISSN: 1013-5316; CODEN:
24. Yaseen, M; Khan, Khalida; Nabi G., Bhatti, H. A. and Afzal M.; 2015. Hydrological trends and variability in the Mangla watershed, Pakistan, Sci. Int. (Lahore), 27 (2), 1327-1335
25. Sana Khalid, Fakhra Shamim, Khalida Khan, Alvina Aslam And Ansa Ashraf, 2016, Isolation and amplification of bacteria from Solanaceous crops; tomato fruit and potato, Science International (Lahore), 1013-5316;
26. Khalida Khan, Akif Rahim Amina Akif , 2015, The Sustainable Water Management by using conceptual rainfall runoff model of IUH for small watershed. Pakistan Journal of Science,
27. Khalida Khan, Muhammad Yaseen, Gulam Nabi, Tom Rientjes, Haris Akram Bhatti: (2015): Impact of altitudinal variability on streamflows in mountainous catchments under changing climate (Upper Indus Basin) Himalayas-Pakistan. American Scientific Research Journal for Engineering, Technology, And Sciences (ASRJETS) Dec. 2015

ii. 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 Khabarpakhtoonkhwa Province, Pakistan (in process)



iii. Conferences, Seminars and Workshops

International Conferences/Workshops:

- Attended and presented National and International workshops Symposiums
- Attended and presented, titled “Cohesive Impact of ICT Tools, Teachers, Students and Curriculum on the performance of ESL learners” in Education, Humanities and Social Sciences Conference, Boston, USA, June 8-10, 2015 at the Harvard University Campus, Radcliffe Yard, Boston, USA.
- Attended Mountains 2015 Perth Conference “Mountains of our Future Earth’and presented Paper titled ‘Effects of Altitude and Changing Climate on Soils and Biomass of Turbat-Baluchistan-Pakistan”, reference 0180 and “Elevational impact on Agriculture Development Potential and Land use Management of Gilgit-Baltistan, Northern Himalayas-Pakistan” for Poster organized by the Centre for Mountain Studies, Perth College, University of Highlands and Islands (UHI), Perth, Scotland, UK held from October 04-08, 2015
- Attended very first Leadership Development Conference Workshop for Women by the Higher Education Commission, Pakistan in collaboration with the British Council, at Wawasan Open University, Penang, Malaysia and Singapore from November 16-26, 2015.
- 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 as Elected Member of the Executive Council of the Chess Federation of Pakistan 2014-update
- A Short Training Course in “Climate Change and efforts to Reduce Emissions from deforestation and forest Degradation (REDD+), June. 2015”.
- Organized week long celebrations Mountain Day 7th to 11th Dec. 2015
- Organized three days technical Sessions on “Promoting mountain products for better livelihoods” Dec. 2015
- Prepared and presented Short Video Documentary on “Mountain Family farming and products” during the celebrations of Mountain Dec. 2015.
- Organized program on Cultural diversity of different mountainous regions of Pakistan Dec. 2015



- Seminar on Application RS and GIS in water resources management and mountain products by Ms. Mamoonah Sahar (Urban Unit, Lahore) Oct.2015
- Workshop on 'Rain Water Harvesting and Ground water exploration for sustainable water supply and management June, 2015
- Seminar by Expert M. Masud Ali Khan on "Tourism potential in mountainous region of Pakistan' Sept. 2015
- Workshop on "Role of Forest for watershed management and Green Economy for sustainable development Sept. 2015
- Organized Plantation Yearly Activity by the CIMR within the Quaid-i-Azam Campus Nov. 2015
- Organized an Awareness walk to highlight the importance of International Mountain day Dec. 2015
- Lecture series in "Climate Change and efforts to Reduce Emissions from Deforestation and forest Degradation (REDD+), June. 2014
- Established Collaboration with national and international institutions such SAARC Academic Alliance, 2014- update ,
- Post Doc, Association, Washington DC USA 2014-update
- "Satoyama Initiative" United Nation University, Tokyo, Japan, 2013-update
- Geographical Society of America (GSA) Washington DC., USA, 2014-2015
- American Geophysical Union (AGU) Washington DC., USA, 2014-update
- The Mountain Institute, Washington DC 2014-2015
- National Post Doc Association, USA 2014-update
- World Conservation Union (IUCN),
- International Centre for Mountain Development (ICIMOD), Nepal,
- Chinese Academy of Science, China
- Member Asia Watershed Management Network (ASIAN WATMANET), Kathmandu, Nepal, to up date
- 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. 2013to up date, Islamabad
- Moderator, (4 Post Doc Scholars) by the Post Doc Association, USA 2014-update



CENTRE FOR UNDERGRADUATE STUDIES

Research & Development

Center has produced **about 41** research articles of good impact, published in journals of national and international repute. Faculty members of Center also participated and presented papers in different National and International Conferences.

- **Projects completed**

Name of Researcher	Sponsoring Agency	Financial Support	Research Area
Dr. Najam ul Sehar	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
Sadaf Aslam	University of the Punjab	1,25,000	Zoology
Arooj Nasir	University of the Punjab	1,25,000	Botany
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
Fatima Noreen	University of the Punjab	1,25,000	Islamiat

- **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
Humera Tariq	University of the Punjab	1,25,000	English
Sadaf Aslam	University of the Punjab	1,25,000	Zoology
Dr. Nighat Jamal	University of the Punjab	1,25,000	French



- Publications (books & chapters)

Author	Title	Publisher	Country
Shabnam Javed (First Author)	Aloe Vera Gel In Food, Health Products & Cosmetics Industry	Studies in Natural Products Chemistry Elsevier Science Publishers. 41(1): 261-282.Chaptor 9	(Netherlands)

- 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,	Plant Pathology & Quarantine	5(2), 35-42 (2015)
Dr. Najam-ul-Sehar	New Report of edible mushroom, <i>Pleurotus cystidiosus</i> from Pakistan.	Austrian Journal of Mycology	24: 23-30 (2015)
Dr. Najam-ul-Sehar	New reports of Rust fungi from Malakand, Khyber Pakhtunkhwa, Pakistan,	Mycotaxon	130: 647-651 (2015)
Dr. Najam-ul-Sehar	Some new records of <i>Uredinales</i> from Khyber Pakhtunkhwa (KP), Pakistan.	Mycotaxon	130: 569-575 (2015)
Dr. Najam-ul-Sehar	New Report of edible mushroom, <i>Termitomyces umkowaan</i> from Pakistan	Sylwan	159 (6): 185-197(2015)
Dr. Najam-ul-Sehar	New host of <i>Puccinia coronata</i> var. <i>coronata</i> from Pakistan.	Disease Note, Journal of Plant Pathology	97(1): 209-220 (2015)
Dr. Najam-ul-Sehar	New Records of <i>Phragmidium</i> species from Pakistan.	Mycotaxon	128: 63-70 (2014)
Dr. Najam-ul-Sehar	A new report of <i>Uromyces ambiens</i> on box plant from Pakistan	Mycotaxon	129 (2): 429-432(2014)
Ms. Bushra Nisar Khan	ASSESSMENT OF BIRDS' FAUNA, OCCURRENCE STATUS, DIVERSITY INDICES AND ECOLOGICAL THREATS AT MANGLA DAM, AJK FROM 2011 TO 2014	The Journal of Animal & Plant Sciences	25(3 Supp. 2) 2015 Special Issue Page: 397-403
Ms. Bushra Nisar Khan	SOCIO-ECOLOGICAL ASSESSMENT AND LOCAL COMMUNITY PERCEPTION TOWARDS WILDLIFE CONSERVATION AROUND MANGLA DAM, AJK	The Journal of Animal & Plant Sciences	25(3 Supp. 2) 2015 Special Issue Page: 334-340



Ms. Bushra Nisar Khan	AVIAN DIVERSITY OF LAHORE ZOO SAFARI IN WINTER SEASON LAHORE, PAKISTAN	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 378-381
Ms. Bushra Nisar Khan	TRYPANOSOMA INFESTATIONS IN ROYAL BENGAL TIGER (PANTHERA TIGRIS) AT LAHORE ZOOLOGICAL GARDENS AND ITS THERAPY	<i>The Journal of Animal & Plant Sciences</i>	25(3 Supp. 2) 2015 Special Issue Page: 477-482
Ms. Bushra Nisar Khan	PREVALENCE OF DENGUE FEVER DURING 2011 - 2012 IN PUNJAB	The Journal of Animal & Plant Sciences	25(3 Supp. 2) 2015 Special Issue Page: 348-354
Ms. Bushra Nisar Khan	OCCURRENCE OF SALMONELLA IN FRESHWATER FISHES: A REVIEW	The Journal of Animal & Plant Sciences	25(3 Supp. 2) 2015 Special Issue Page: 303-310
Robina Begum	Effect of crosslinker feed contents on catalytic activity of silver nanoparticles fabricated in multi responsive microgels	<i>The Korean Journal of Chemical Engineering</i>	2014, 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>	2014,14(5), 313-321
Robina Begum	Catalytic reduction of 2-nitroaniline in aqueous medium using silver nanoparticles functionalized polymer microgels” <i>Journal of Inorganic and Organometallic Polymers and Materials</i>	<i>Journal of Inorganic and Organometallic Polymers and Materials</i>	2015, 25(6), 1554-1568
Robina Begum	Poly(N-isopropylacrylamide-co-methacrylic acid) microgel stabilized copper nanoparticles for catalytic reduction of nitrobenzene”	<i>Materials Science - Poland</i>	2015, 33(3), 627-634.
Robina Begum	Effect of acrylic acid feed contents of microgels on catalytic activity of silver nanoparticles fabricated hybrid microgels”	<i>Turkish Journal of Chemistry</i>	2015, 39(1), 96-107.
Robina Begum	Fabrication of silver nanoparticles in poly (N-isopropylacrylamide-co-allylacetic acid) microgels for catalytic reduction of nitroarenes” <i>Turkish Journal of Chemistry</i> 2015	<i>Turkish Journal of Chemistry</i>	2015, 39(3), 576-588.



Robina Begum	Synthesis, characterization and fabrication of copper nanoparticles in N-isopropylacrylamide based co-polymer microgels for degradation of p-nitrophenol”	<i>Materials Science – Poland</i>	2015,33(1), 185-192
Robina Begum	Effect of crosslinking density of poly(N-isopropylacrylamide-co-acrylic acid) microgels on catalytic reduction of nitrobenzene” <i>Walailak Journal of Science and Technology</i> 2015	<i>Walailak Journal of Science and Technology</i>	2015, 12(12), 1147-1156.
Dr. Muhammad Younis	Optical solitons for ultrashort pulses in nano fibers,	<i>Journal of Nanoelectronics and Optoelectronics</i>	10 (1): 179-182
Dr. Muhammad Younis	Solitons for compound KdV-Burgers’ equation with variable coefficients and power law nonlinearity	<i>Nonlinear Dynamics</i>	81 (3): 1191-1196
Dr. Muhammad Younis	Optical solitons in dual-core fibers with inter-modal dispersion	<i>Optoelectronics and Advanced Materials - Rapid Communications</i>	9(9-10): 1126-1134
Dr. Muhammad Younis	Optical solitons in dual-core fibers with G’/G-expansion scheme	<i>Journal of Optoelectronics and Advanced Materials</i>	17(3-4): 505-510
Dr. Muhammad Younis	Bright, dark and singular solitons in magneto-electro-elastic circular rod	<i>Waves in Random and Complex Media</i>	25(4): 549-555
Dr. Muhammad Younis	Analytical and soliton solutions: nonlinear model of nano bioelectronics transmission lines	<i>Applied Mathematics and Computation</i>	265: 994-1002
Dr. Muhammad Younis	Multiple travelling wave solutions for electrical transmission line model	<i>Nonlinear Dynamics</i>	82 (3): 1317-1324
Dr. Muhammad Younis	Dispersive dark optical soliton in (2+1)-dimensions by G’/G-expansion with dual-power law nonlinearity	<i>Optik-International Journal for Light and Electron Optics</i>	126 (24): 5812-5814
Dr. Muhammad Younis	Traveling wave solutions for nonlinear dispersive water wave systems with time dependent coefficients	<i>Nonlinear Dynamics</i>	82 (4): 1755-1762
Dr. Muhammad Younis	Exact solitons in a medium with competing weakly nonlocal nonlinearity and parabolic law nonlinearity	<i>Journal of Nonlinear Optical Physics & Materials</i>	24 (4)



Dr. Muhammad Younis	Improved and more feasible numerical methods for Risez space fractional partial differential equations	<i>Applied Mathematics and Computation</i>	237: 264-273 (2014)
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: 460-463 (2014)
Dr. Muhammad Younis	Travelling wave solutions to some nonlinear evolution equations,	<i>Applied Mathematics and Computation</i>	249: 81-88 (2014)
Ms. Sadaf Aslam	Fossil remains of <i>Stegodon bombifrons</i> (proboscideans) from the Pinjor stage soan formation of Pakistan	<i>Biologia</i>	61: 101
Ms. Sadaf Aslam	New collection of <i>Conohyus sindiensis</i> , a middle Miocene suid, from Chakwal Pakistan.	<i>Journal of Animal & Plant Sciences</i>	461-465
Ms. Amara Dar	Microwave chemistry: Effect of ions on dielectric heating in microwave ovens	<i>Arabian Journal of Chemistry</i>	8 (1): 100-104
Ms. Amara Dar	Removal of sulfide ions from water using rice husk	<i>Journal of Sulfur Chemistry</i>	36 (2): 187-195
Ms. Shabnam Javed	Herbicidal Activity of Some Medicinal Plants Extracts against <i>Parthenium hysterophorus</i> L.	<i>Pak. J. Weed Sci. Res.</i>	20(3): 15-25 (2014)
Ms. Shabnam Javed	Hypoglycemic activity of <i>Monotheabuxifolia</i> and isolation of the active constituents through bioassay-directed fractionation techniques	<i>Asian journal of agriculture and biology</i>	special issue, CLSR, 93 (2015)

Conferences:

Name	Title of paper	Title of conference	National/ international
Dr. Najam ul Sehar	Geographical distribution and Host Range of genus <i>Uromyces</i> (Pucciniaceae, Uredinales) in Pakistan	INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES 2015 ORGANIZED BY Emirates association of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015, PP. 167-173.	International
Dr. Najam ul Sehar	Fungal diversity in World largest Man-made forest, Changa Manga, Pakistan	INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES 2015 ORGANIZED BY Emirates association	International



		of Chemical, Biological and Environmental Engineers, held at Istanbul, Turkey, from 4 th -5 th September, 2015, PP. 174-179	
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 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 No. 4, Published, P. 08.	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 No63, Published, P. 67.	International
Robina Begum	Catalytic Reduction of 4-Nitroaniline by Silver Nanoparticles Fabricated Poly(N-Isopropylacrylamide-co-acrylic acid) Hybrid Microgels	26 th national and 14 th international Chemistry Conference of the Chemical Society of Pakistan organized by The Islamia University of Bahawalpur, held on October 5-8, 2015	International
Robina Begum	Silver-Poly(N-isopropylacrylamide-co-methacrylic acid) copolymer hybrid microgels for catalytic reduction of o-Nitroaniline in aqueous medium	26 th national and 14 th international Chemistry Conference of the Chemical Society of Pakistan organized by The Islamia University of Bahawalpur, held on October 5-8, 2015	International
Robina Begum	Silver nanoparticles fabricated in Poly(N-Isopropylacrylamide-co-Acrylic Acid) for catalytic reduction of nitrobenzene	17th international Symposium on relations between Homogenous and Heterogenous Catalysis organized by Catalysis Centre Utrecht, Utrecht University, The Netherlands held on July 12-15, 2015	International



Robina Begum	Catalytic Reduction of Nitrobenzene using Silver Nanoparticles Stabilized in Multi-Responsive Polymer Microgels	17th international Symposium on relations between Homogenous and Heterogenous Catalysis organized by Catalysis Centre Utrecht, Utrecht University, The Netherlands held on July 12-15, 2015	International
Robina Begum	Mechanism and kinetics of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacrylamide-co-allylactic acid) hybrid microgels	25th National and 13th International Chemistry Conference organized by The Chemical Society of Pakistan and Institute of Chemistry, University of the Punjab, New Campus Lahore held on October 20-22, 2014	International
Shabnam Javed	Phytochemical Profile & Antimicrobial Potential of <i>Monotheca Buxifolia</i> Indigenous to Northern Area of Pakistan	<u>25th National and 13th International Chemistry conference 2014.PU.Lhr.Pakistan.</u>	International
Ms. Bushra Nisar Khan	Assessment of Birds' Fauna, Occurrence Status, Diversity Indices and Ecological Threats at Mangla Dam, AJK	National Conference and Training Workshop "Wildlife and Aerobiology" 6-7 February 2015. Department of Zoology University of the Punjab, Pakistan	National
Ms. Bushra Nisar Khan	Impact of Different Environmental Conditions on Behaviors of African Lion and their Welfare	42nd Annual AAZK National Conference September 27-October 1, 2015, held at St. Louis Zoo USA. Organized by American Association of Zoo Keepers.	International
Ms. Bushra Nisar Khan	Comparison of Diversity Indices of Avian Fauna at Mangla Lake Wetland.	Pakistan Congress of Zoology (International). March 1-4, 2015. Organized by Zoological Society of Pakistan and Centre of Excellence in Marine Biology, Karachi University, Karachi, Pakistan	International
Ms. Shabnam Javed	Poster Presentation	13 th International Chemistry conference, organized by Institute of Chemistry, University of the Punjab, Lahore, Pakistan from October 20-22, 2014	International
Ms. Shabnam Javed		Vice Chancellors Forum 2015, Universities in the Islamic World; Facing Global Challenges from February 23-24, 2015	International



COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

R&D-An Overview

Refuse Derived Fuel (RDF), Energy from Waste (EFW), Pyrolysis / Biomass Energy, Biofuels (Biogas, Bioethanol, Biodiesel)

Projects:

Completed

1. Conversion of Municipal Solid Waste in to fuel.
2. Computational Analysis & Protein structure modeling of Zinc & Iron dependent Alcohol dehydrogenases for maximum Bioethanol yield on Thermophiles.

Newly launched

- Refuse Derived Fuel (RDF), Energy from Waste (EFW), Pyrolysis / Biomass Energy, Biofuels (Biogas, Bioethanol, Biodiesel)
- MOU was signed on May 8th, 2015 with WWF on different Environmental sections especially Renewable Energy Systems working as Team Leader.
- Working with waste busters and PCRET (Pakistan Council for Renewable Energy Systems), Ministry of Science & Technology, Pakistan on Biogas, Bioethanol, biodiesel & gasifier for commercialization activity through the help of Most, Govt. of Pakistan.
- Working with commercialization cell in Ministry of Science & Technology for commercialization.
- Biogas production from food waste and process optimization through enhanced anaerobic decomposition (HEC submitted).
- Design optimization of biogas plant for farm power requirement (will soon be launched to LWMC, Lahore).
- Working on different enzymes engineering involved in the degradation of different Lignocellulosic Materials for maximum Bioethanol yield. (Enzymes will soon be patented).

Publications

Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
				Impact Factor (IF)	HEC Recog.	Other	Conference Proceedings
Author S.M. Talah Co-author Nawaz, Bushra., S.H. Sajjad., & Shiekh, R.A	Ambient noise H/V spectral ratio in site effects estimation in Fatehjang area, Pakistan	Journal of Earthquake Science, Springer – Verbaz, Germany		0.41			



Author Abbas, N. Co-author Deeba, F., Irfan, M., Butt, M.T., Jamil, N, & Khan. R.A.	Treatability study of Arsenic Fluoride and Nitrate form drinking water by Adsorption process	Journal of the Chemical Society of Pakistan	36 No.5	0.612			
Author I.A. Shaikh, Co-author A. Farooq, Sahoto, A, R., & Pathan, A., A.	In-situ Decolorization of Residual Dye Effluent in Textile Jet.	Dyeing Machine by Ozone. Pak. J. Anal. Environn. Chem.	Vol.15, No., 71-76				
Author A. Mangat Co-author I.A. Shaikh, Munir, S, & Baqar, M.	Fenton Oxidation Treatment of Spent Wash- Off Liquor for Reuse in Reactive Dyeing		Vol.19, No.4, 43-47				
Author Ahmed, F. Co-author Saleemi, S. Sahito, A.R., I.A. Shaikh, & Rajput. A.W.	Characterizatio n of Rotor Spun Knitting Yarn at High Rotor Speed		Vol.19, No.4, 73-78				
Author Ahmed, F. Co-author I.A. Shaikh, Hussain, T., Ahmad, I., Munir, S., & Zameer, M.	Developments in Health Care and Medical Textile – A Mini Review-1	Pak. J. Nutr.	Vol. 13(12) 780- 783				
Author I.A. Shaikh Co-author I. Ahmad.	Recycling of washing and rinsing textile waste water in cotton dyeing following an O ₃ treatment.	Pakistan Journal of Science	Vol.66 No.4, 373- 376				
Author I.A. Shaikh Co-author E. Suhail, S. Munir and I. Ahmad	An Attempt to improve wash fastness of red dyes using real textile waste water.	Pakistan Journal of Science	Vol.66, No.4, 368- 372				



Author Ahmad, S.R. Co-Author Islam, Z.U., Chohan, K. and Ashraf, A.	GIS Enabled Condition Based Asset Management of Gas Distribution Network: A case Study of Shahdara, Lahore Pakistan	Journal of Geographic al Informatio n System	7:358- 368.	1.05 (Google based)			
Author Ahmad, S.R. Co-Author Ahmad, U. and Luqman, M.	A Study of Polio Disease in Pakistan using GIS approach.	Internation al Journal of Scientific & Technology Research	4(6): 315- 322	3.023 (SJIF)			
Author Ahmad, S.R. Co-Author Luqman, M., Khan, S., Ahmad, U., Raza, A. and Akmal, F.	Estimation of Solar Energy Potential from Rooftop of Punjab Government Servants Cooperative Housing Society Lahore Using GIS.	Smart Grid and Renewable Energy	6:128- 139.	1.14 (Google based)			
Author Ahmad, S.R. Co-Author Mahmood, K.	Creation, Maintenance and Comparison of Multipurpose Candastre in Pakistan and Saudi Arabia.	Internation al Journal of Scientific & Engineerin g Research,	6(4): 73-78	3.2 (IJSER)			
Author Ahmad, S.R. Co-Author Mahmood, K.	GIS based Landfill Site Selection for Faisalabad City	Internation al Journal of Scientific & Engineerin g Research	6(4): 67-72	3.2 (IJSER)			
Author Ahmad, S.R. Co-Author Khushi, S	Geospatial Management of the Solid Waste System (A Case Study of Rawalpindi City)	Internation al of Scientific and Technologi cal Research	1(1): 303- 311	3.023 (SJIF)			



Author Shahid, S. Co-Author Chaudhry, M.N., Mahmood, N., Hussain, K., Sheikh, S., & Ahmad, N.	Hematological Profiling and Assessment of Suspected Environmental Factors of Brain Tumor Patients: A Prospective Study of a Tertiary Care Hospital in Pakistan (2015)	Journal of Neurologic al Sciences (Turkish).	32(1): 89-105	0.12	Yes		
Author Shahid, S. Co-Author Mahmood, N., Chaudhry, M.N., Sheikh, S., & Ahmed, N.	Mutations of the Human Interferon Alpha-2b (hIFN-α2b) Gene in Occupationally Protracted Low Dose Radiation Exposed Personnel. Indexed,)	Cytokine- ELSVEIR (ISI)	73(1): 181-9 doi: 10.101 6/j.cyt o. 2015.0 2.008 (online)	2.874	Yes		
Author Shahid, S. Co-Author Chaudhry, M.N., Mahmood, N., & Sheikh, S.	Mutations of the Human Interferon Alpha-2b (hIFN-α2b) Gene in Brain Tumor Patients Exposed to Different Environmental Conditions.	NATURE (Cancer Gene Therapy). (ISI Indexed)	22, 24 6–261 doi:10. 1038/c gt.201 5.12 (online)	2.553	Yes		
Author Shahid, S. Co-Author Mahmood, N., Chaudhry, M.N., & Sheikh, S.	Impacts of terrestrial ionizing radiation on the hematopoietic system of the Siwalik residents of Pakistan.	Polish Journal of Environme ntal Studies.	24(4): 1783- 1794 (ISI Indexe d)	0.7	Yes		



Author Imran, A. Co-Author Ahmad, Z. & Chaudhry, M.N.	Response of Sunflower (Helianthus annuus L.) to arsenic stress: accumulation and partitioning in different plant parts	Polish Journal of Environme ntal Studies.	34(1): 44-50	0.6	Yes		
Author Imran, A. Co-Author Chaudhry, M.N. , Masood, K.R., & Iqbal, N.	Response of Sunflower (Helianthus annuus L.) to arsenic stress: accumulation and partitioning in different plant parts	Soil & Environme nt	34(1): 44-50	0.0	Yes		
Author Imran, A. Co-Author Hamid, F., Chaudhry M.N. , Sarwar, H., & Masood, K.R.	Impact of Inorganic Arseniclas on Vegetative Growth for Two Pakistani Origins Sunflower (Helianthus annuus L.)	Journal of Chemistry	2015A rticle ID, 27583 0 Http:// dx.doi. org/10 .1155/ 2015/ 27583 0 (Online)	0.9	Yes		
Author Munir, B. Co-Author Tahir, M., Munir, S., Chaudhry, M.N. , & Qadir, A.	Nicotine induced hepatotoxicity and its prevention with date palm pit powder	Chin J. Appl Enviorn	21(3): 489- 493	0.0	Yes		
Author Yousaf A, Co-Author Chaudhry N, Qadir A, Ahmad A (2015).	Frequency of Hepatitis C in Multiple Transfused Children at Sir Ganga Ram Hospital (S.G.R.H) Lahore, Pakistan.	Journal of Tropical Diseases	3(156) doi:10. 4172/ 23298 91X.10 00156	Nil			



Author Bareen., F. Co-Author Ayaz, S., & Sajid, Z.A	Role of antioxidants in the growth and heavy metal uptake from tannery sludge in microbe assisted phytosemediat ion under fold conditions.	IJAST	3: 10- 20	Nil	Yes		
Author Qadri, S.M. Co-Author Sajjad, S.H., Sheikh, R.A. , Rehman, K., Rafi, Z., Nawaz, B., & Haider, W.	Ambient noise measurements in Rawalpindi – Islamabad twin cities of Pakistan: a setp towards site response analysis to mitigate impact of natural hazard	Springer Journal of Natural Hazards	78(201 5): 1111- 1123	2.00	Yes		
Author Jamil, N., Co-Author Baqar, M., Shaikh, I. A., Javaid, Shahid, A., Khalid, R., Ahsan, N., Qadir, A. & Arslan, M. (2015).	Assessment of Mercury Contamination in Water and Soil Surrounding a Chlor-Alkali Plant: A case study.	Journal of the Chemical Society of Pakistan.	37(01) : 173- 178	0.61	Yes		
Author Mumtaz, M., Co-Author Qadir, A., Mehmood, A., Mehmood, A., Malik, R., N., Li, Jun., Yousaf, Z., Jamil, N. , Shaikh, I. A., Habib, Ali. & Zhang G. (2015).	Human health risk assessment, congener specific analysis and spatial distribution pattern of organochlorine pesticides (OCPs) through rice crop from selected districts of Punjab Province, Pakistan,	Science of the Total Environme nt,	511(4) : 354– 361	4.11	Yes		



Author Shaikh, I. A., Co-Author Ahmad, N., Jamil, N., & Qadir, A. (2015).	A Pilot-scale Application of O ₃ in Machine Cleaning to Replace Na ₂ S ₂ O ₄ .	Asian journal of Chemistry	27(6): 2171- 2174	Nil	Yes		
Author Shaikh, I. A., Co-Author Munir, S., Suhail, E., Jamil, N., & Qadir, A.	Removal of hydrolyzed reactive dyes from cotton fabric using spent H ₂ O ₂ – A green approach.	Asian journal of Chemistry	27(6): 2129- 2132	Nil	Yes		
Author Abbas, N. Co-Author Jamil, N., & Deeba, F.	Potential of Biogas in waste activated tannery sludge by Anaerobic Co-digestion	Asian Journal of Chemistry	27(2): 697- 700	Nil	Yes		
Author Mehmood, Z. Co-Author Nasir. S., Jamil, N., Shaikh, A., & Akram, A.	Adsorption studies phosphate ions on alginate – Calicum Carbonate composite beeds	African Jounal of Env. Sciences & Technology	9(3): 247- 281	Nil	Yes		
Author Mumtaz, M., Co-Author Qadir, A., Mehmood, A., Mehmood, A., Malik, R., N., Li, Jun., Yousaf, Z., Jamil, N., Shaikh, I. A., Habib, Ali. & Zhang G. (2015).	Human health risk assessment, congener specific analysis and spatial distribution pattern of organochlorine pesticides (OCPs) through rice crop from selected districts of Punjab Province, Pakistan,	Science of the Total Environme nt,	511(4) : 354– 361	4.11	Yes		



Author Akram A, Co-Author Khan HAA, Qadir A , Sabir AM (2015)	A Cross- Sectional Survey of Knowledge, Attitude and Practices Related to Cutaneous Leishmaniasis and Sand Flies in Punjab, Pakistan.	PLoS ONE	10(6): e0130 929. doi:10. 1371/j ournal .one.01 30929	3.53	Yes		
Author Jamil, N., Co-Author Baqar, M., Shaikh, I. A., Javaid, Shahid, A., Khalid, R., Ahsan, N., Qadir, A. & Arslan, M. (2015).	Assessment of Mercury Contamination in Water and Soil Surrounding a Chlor-Alkali Plant: A case study.	Journal of the Chemical Society of Pakistan.	37(1): 173- 178.	0.61	Yes		
Author Nadeem, M., Co-Author Aftab, M. U., Irfan, M., Mushtaq, M. Qadir, A. & Syed, Q. (2015)	Production of ethanol from alkali-pretreated sugarcane bagasse under the influence of different process parameters	Frontiers in Life Science,	DOI: 10.108 0/215 53769. 2015.1 04462 0	0.17	Yes		
Author Yousaf A., Co-Author Qadir, A. Anjum, T. Ahmad A. (2015).	Identification of microbial metabolites elevating vitamin contents in barley seeds	Journal of Agricultural and Food Chemistry	07/; DOI:10 .1021/ acs.jaf c.5b01 817	3.11	Yes		
Author Yousaf A, Co-Author Chaudhry N, Qadir A , Ahmad A (2015).	Frequency of Hepatitis C in Multiple Transfused Children at Sir Ganga Ram Hospital (S.G.R.H) Lahore, Pakistan.	Journal of Tropical Diseases	3: 156. doi:10. 4172/ 23298 91X.10 00156	Nil	Nil		



Author A. Qadir, Co-Author Amina , Q, Kanwal, Bano, R. Yousaf, B. , (2015).	Accessing Potential bioaccumulati on of Heavy Metals in Selective Vegetables from Gujranwala District, Pakistan	Journal of Environme nt and Earth Science,	5(8): 58-70	Nil	Nil		
Author Naz, S., Co-Author Yousaf, B.Tahir, M. A., Qadir A. Yousaf , A. (2015).	Iron and Zinc Bio- Fortification Strategies in Wheat Crop by Exogenous Application of Micronutrients	Food Science and Quality Manageme nt	35(201 5): 49- 54	Nil	Nil		
Author Shaikh, I. A., Co-Author Ahmad, N., Jamil, N., & Qadir, A. (2015).	A Pilot-scale Application of O ₃ in Machine Cleaning to Replace Na ₂ S ₂ O ₄ .	Asian journal of Chemistry	27(6): 2171- 2174	Nil	Yes		
Author Shaikh, I. A., Co-Author Munir, S., Suhail, E., Jamil, N., & Qadir, A. (2015).	Removal of hydrolyzed reactive dyes from cotton fabric using spent H ₂ O ₂ – A green approach.	Asian journal of Chemistry	27(6): 2129- 2132	Nil	Yes		
Author Jamil, N., Co-Author Baqar, M., Shaikh, I. A., Javaid, Shahid, A., Khalid, R., Ahsan, N., Qadir, A. & Arslan, M. (2015).	Assessment of Mercury Contamination in Water and Soil Surrounding a Chlor-Alkali Plant: A case study.	Journal of the Chemical Society of Pakistan.	37(1): 173- 178	0.61	Yes		
Author Shaikh, I.A. Co-Author E. Shuail., & S. Munir	A Novel Approach for the Reuse of the Textile Bleaching Wastewater	Technical Journal ISSN: 1813- 1786	20(1): 18-25	Nil	Yes		



Author Shaikh, I.A. Co-Author Ahmad, F., Haq, Manzoor-ul., Ahmad, I., & Amjad., R.	Eco-Friendly Approach to Remove COD, TSS and Colour from the Effluent Originating from the Pharmaceutical Industry	Pakistan Journal of Nutrition ISSN: 1680-5194	14(3): 146- 149	Nil	Yes		
Author Mumtaz, M., Co-Author Qadir, A., Mehmood, A., Mehmood, A., Malik, R., N., Li, Jun., Yousaf, Z., Jamil, N., Shaikh, I. A. , Habib, Ali. & Zhang G. (2015).	Human health risk assessment, congener specific analysis and spatial distribution pattern of organochlorine pesticides (OCPs) through rice crop from selected districts of Punjab Province, Pakistan,	Science of the Total Environment, 	511(4) : 354- 361	4.11	Yes		
Author S. Munir, Co-Author Baqar, M., Saaed, N., Zameer, M., & Shaikh, I.A.	Modeling Green house Gases Emissions from MSW of Lahore	Technical Journal, UET, Taxila, Pakistan.	20(1): 50-53	Nil	Yes		
Author Baqar, M. Co-Author Sarwar, A., Shahwar, D., Nazeer, R., Shahid, S., Shaikh, I.A. , Arslan, M., Machado, K.J., & Ali, A.	Adsorption of Acid Yellow-73 and Direct Violet-51 Dyes from Textile Wastewater by Using Iron Doped Corncob Charcoal	Pakistan Journal of Analytical & Environmental Chemistry	16(1): 31-38	Nil	Yes		



Author Sadeef, Y. Co-Author Tjalfe G Poulsen, Kai Bester	Impact of Compost Process Conditions on Organic Micro Pollutant Degradation during Full Scale Composting	Waste Manageme nt	June 2015, vol. 40 (40:31 -7. doi: 10.101 6/j.wa sman. 2015.0 3.003. Epub 2015 Mar 21.)	3.157			
Author Iqbal, T Co-Author Eckhoff, SR, Syed, A.F., Nizami, A.S, Sadeef, Y, Akhtar, J.	Airflow Resistance of Chopped Miscanthus on drying platform.	American Society of Agricultural and Biological Engineers.	58(2): 487- 492	0.840			
Author N. Rahmanian Co-Author Siti Hajar Bt Ali, M. Homayoonfard , N. J. Ali, M. Rehan, Sadeef, Y, A. S. Nizami.	Analysis of Physio- Chemical Parameters to Evaluate the Drinking Water Quality in the State of Perak, Malaysia.	Journal of Chemistry.	Volum e 2015 (2015) , Article ID 71612 5, 10 pages http:// dx.doi. org/10 .1155/ 2015/ 71612 5	0.622			
Author Sadeef, Y, Co-Author A.S Nizami, SA Batool, M.N. Chaudhary, O. K. M. Ouda, Z.Z. Asam, K. Habib, M. Rehan, & A. Demibras.	Waste-to- Energy and Recycling Value for Developing Integrated Solid Waste Management Plan in Lahore.	Energy Sources, Part B: Economics, Planning, and Policy	An accept ed paper.	0.840			



Author S. Munir, Co-Author Baqar, M., Saeed, N., Zameer, M., & Shaikh, I.A.	Modeling Green house Gases Emissions from MSW of Lahore	Technical Journal, UET, Taxila, Pakistan.	20(1): 50-53	Nil	Yes		
Author Zameer, M., Co-Author Mahmood, S., Mushtaq, Z., Tabassum, B., Mahmood, N, Jamil, N, & Munir, S.	Detection of bacterial load in drinking water samples by 16s rRNA ribotyping and PAPD analysis.	Advancem ents in Life Sciences	2(3): 135- 141	Nil	Yes		
Author Zameer, M. Co-Author Bilal, M., Saeed, M., Nasir, I.A., Tabassum, B., Khan, A., Tariq, M., Javed, M.A. & Hussain, T.	Association mapping of cane weight and tillers per plant in sugarcane	Biotechnol ogy & Biotechnol ogical Equipment s	29(4): 617- 623	0.300	Yes		
Author Zameer, M. Co-Author Tabassum, B., Ali, Q., Tariq, M., Zahid, H., Nasir, I.A., Akram, W., & Baqar, M.	Role of PGPR to improve potential growth of tomato under saline condition: An overview	Live Science Journal	12(33) : 54-62	0.165	Yes		
Author Zameer, M. Co-Author Munir, S., Baqar, M., Saeed, N., Shaikh, I.A.	Modeling greenhouse gases emissions from MSW of Lahore	Technical Journal, UET, Taxila, Pakistan	20(1): 50-54	Nil	Yes		
Author Zameer, M. Co-Author Munawar, S., Tabassum, B., Ali, S., Shahid, N., Saadat, H.B., & Sana, S.	Appraisal of various floral species biodiversity from Iskandarabad, Pakistan.	Life Science Journal	12(33) : 77-78	0.165	Yes		



Author Zameer, M. Co-Author Mahmood, S., Mushtaq, Z., Tabassum, B., Ali, Q., Mahmood, N., Jamil, N., & Munir, S.	Detection of bacterial load in drinking water samples by 16s rRNA ribotyping and PAPD analysis.	Advancements in Life Sciences	2(3): 135-141	Nil	Yes		
Author Baqar, M. Co-Author Sarwar, A., Shahwar, D. , Nazeer, R., Shahid, S., Sheikh, I.A., Arslan, M., Machado, K.J., & Ali, A.	Adsorption of Acid Yellow-73 and Direct Violet-51 Dyes from Textile Wastewater by Using Iron Doped Corncob Charcoal	Pakistan Journal of Analytical & Environmental Chemistry	16(1): 31-38	Nil	Yes		
Author Ahsan, N. Co-Author Waqar, M.	An Integrated Approach for Catchment Parameterization through Geospatial Analysis: A case study of Kurang River Basin, Pakistan	Science International	2(2): 1309-1314	Nil	Yes		
Author Jamil, N. Co-Author Baqar, M. , Shaikh, I. A., Javaid, Shahid, A., Khalid, R., Ahsan, N., Qadir, A. & Arslan, M. (2015).	Assessment of Mercury Contamination in Water and Soil Surrounding a Chlor-Alkali Plant: A case study.	Journal of the Chemical Society of Pakistan.	37(1): 173-178	0.61	Yes		
Author Baqar, M. Co-Author Sarwar, A., Shahwar, D., Nazeer, R., Shahid, S., Sheikh, I.A., Arslan, M., Machado, K.J., & Ali, A.	Adsorption of Acid Yellow-73 and Direct Violet-51 Dyes from Textile Wastewater by Using Iron Doped Corncob Charcoal	Pakistan Journal of Analytical & Environmental Chemistry	16(1): 31-38	Nil	Yes		



Author S. Munir, Co-Author Baqar, M. , Saaed, N., Zameer, M., & Shaikh, I.A.	Modeling Green house Gases Emissions from MSW of Lahore	Technical Journal, UET, Taxila, Pakistan.	20(1): 50-53	Nil	Yes		
Author Zameer, M. Co-Author Tabassum, B., Ali, Q., Tariq, M., Zahid, H., Nasir, I.A., Akram, W., & Baqar, M.	Role of PGPR to improve potential growth of tomato under saline condition: An overview	Live Science Journal	12(33) : 54-62	0.165	Yes		
Author Zameer, M. Co-Author Munawar, S., Tabassum, B., Ali, S., Shahid, N., Saadat, H.B. , & Sana, S.	Appraisal of various floral species biodiversity from Iskandarabad, Pakistan.	Life Science Journal	12(33) : 77-78	0.165	Yes		

Seminars:

1. **World Environment Day 5th June, 2015**
2. **World Tourism Day 27th September, 2015**

Research Collaboration**Indigenous**

1. WWF, PAKISTAN.
2. Ministry of Science and Technology, Lahore.
3. University of Health Sciences, Lahore.
4. CAMB, Lahore.
5. CEMB, Lahore.
6. PCSIR Laboratories, Lahore.
7. NUST, Islamabad.
8. UVAS, Lahore

Linkages

Soil Microbiology Division, University of Cornell, New York, Ithaca, USA.
Renewable Energy System (Bioinformatics) Uppsala, Sweden.



Funding grants for R&D

A grant of Rs. 1.2 Million was sanctioned by the Vice Chancellor for constructing a Greenhouse and an Ecotoxicology Animal House in the College premises. They have been constructed.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

2.1. Research & Development - An Overview (5 – 10 lines)

Research and Development is the integral part of the curricula of all our academic programs. A large number of students of all academic programs opt the research & report writing (as a paper titled 'Thesis') during the last semester. However, internships are also done by the students. Research and report writing for M.Phil and PhD scholars is mandatory. Software relating to Research and development are available as well as hardware.

2.2. Publications:

- Syed Afrozuddin Ahmed, Junaid Saghir Siddiqi, Sabah Quaiser, Shahid Kamal (2015). Using PCA, Poisson and Negative Binomial Model to Study the Climatic Factor and Dengue Fever Outbreak in Lahore, Journal of Basic & Applied Sciences. 11. (HEC Recognized)
- Sherwani, R.A.K., Kamal, S. and Abbas, S. (2015). Random Intercept and Random Slope 4-Levels Multilevel Models. CJASR, 4(2), 6-14, ISI-Indexed (X-Category)
- Ahmad, F. and Sherwani, R.A.K. (2015). Power Comparison of Various Normality Tests. PJSOR, 11(3), 331-345. (Y-Category)
- Irum Sajjad Dar, Muhammad Ahsan ul Haq, Quratulain (2015). Factors Influencing Job Satisfaction of Nurses in Public Hospitals, Science International Lahore. Vol.27 (3), 1761-1765.
- Muhammad Ahsan ul Haq, Irum Sajjad Dar, Quratulain (2015). Performance Comparison of Classification Techniques, Artificial Neural Network, Discriminant Analysis and Logistic Regression: Application "Establish more Private Academies or not", Science International Lahore. Vol.27 (3), 1803-1807.
- Nadia Qasim, Nasira Jabeen, Zafar Iqbal Jadoon, Irum Sajjad Dar (2015). Governance and Management of Higher Education Institution in Pakistan: A case study of Lahore College for Women University, Global Management Journal for Academic & Corporate Studies. Vol.5 (1).



- Sohail Chand, Kashif Kausar (2015). Modeling Income Distribution and Measuring Income Inequality, Caspian Journal of Applied Sciences Research. Vol. 4, No. 4, pp 6-13.
- Sana Saeed, Zahid Javed, Sohail Chand, Naimatullah Hashmi, Maqsood Ahmad (2015). Spatial Distribution of Arsenic Concentration in Drinking Water Using Kriging Techniques, Science International Lahore. Vol. 27, No. 2, 949-954.

2.3. Conferences, Seminars and Workshops, etc.

- i. Various workshops were arranged for the students of M.Sc. Actuarial Sciences, M.Sc. Statistics, MBSM and MIOM during the year 2014-2015.

2.4. Research Journals

Regularly publishing a quarterly research journal 'Pakistan Journal of Statistics and Operation Research' since 2005

2.5. RESEARCH COLLABORATION

2.6.1. Indigenous

State Bank of Pakistan, Higher Education Commission (HEC)

DEPARTMENT OF GEOGRAPHY

- R&D-An Overview (5 – 10 lines)
- *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 2014.*

RESEARCH PAPERS/ARTICLES PUBLISHED DURING THE YEAR 2015

Sr. No.	Name of Author	Title of Paper/Article
1.	Prof. Dr. Abdul Ghaffar	Bhali, M. N., Ghaffar, A., (2015), "Use of Geospatial Techniques in Monitoring Urban Expansion and Land Use Change Analysis: A Case of Lahore, Pakistan". Journal of Basic & Applied Sciences, Vol 11, 265-273.



2.	Dr. Safdar Ali Shirazi	Shakrullah K, Shirazi S.A , and Sajjad H. S (2015). " <i>Spatio-Temporal Analysis of land Cover Changes of Dhaka City in Bangladesh</i> ". Pakistan Journal of Science , Vol. 67 No. 4 Dec., 2015 pp.413-418 Lahore (Y category-HEC recognized)
3.	Dr. Safdar Ali Shirazi	Zia S., Shirazi S.A , Bhalli M. N and Kausar, S (2015). " <i>The Impact of Urbanization on Mean Annual Temperature of Lahore Metropolitan Area, Pakistan</i> ". Pakistan Journal of Science , Vol. 67 No. 3 Sept., 2015 pp.310-316 Lahore (Y category-HEC recognized)
4.	Dr. Ibtisam Butt	Lung Carcinoma types, Gender and its changing trend in the Punjab, 2008-12 published in Science International (2015) Vol.27: No.1
5.	Dr. Saima Siddiqui	Siddiqui S.; Soldati M.; Castaldini D. (2015) - <i>Appraisal of active deformation from drainage network and faults: inferences from non-linear analysis</i> - EARTH SCIENCE INFORMATICS - volume 8(1) - pp. 233 - 246 ISSN: 1865-0473

Kindly use additional sheets if required

○ 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.

▪ Funding grants for R&D: University of the Punjab

DEPARTMENT OF MATHEMATICS

○ R&D-An Overview

Department of Mathematics organized a series of departmental seminars from Sep 2014 - June 2015. Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Dr. Muhammad Aslam Malik, Dr. Muhammad Riaz, Dr. Nauman Raza, Dr. Uzma Ahmad, Dr. Muhammad Zaeem ul Haq Bhatti and Dr. Zeeshan Yousaf presented papers in different National and International conferences. During the above mentioned period, the detail of enrolled students is: 08 in Ph.D 20 in M.Phil. 74 students in M.Sc. (Morning), 82 students in M.Sc. (Self-Supporting), 36 in BS.



04 Ph.D. Students, 18 M.Phil. Students, 71 M.Sc. students and 23 BS Students completed their degrees during the said period. M.Phil./MS/ Ph.D. students are doing research in different fields under the supervision of Prof. Dr. Muhammad Sharif, Prof. Dr. Malik Zawwar Hussain, Prof. Dr. Muhammad Akram, Dr. Muhammad Aslam Malik, Dr. Ghazala Akram, Dr. Daud Ahmd, Dr. Muhammad Riaz, Dr. Muhammad Khalid Mahmood, Dr. Nauman Raza, Dr. Aziz Ullah Awan, Dr. Uzma Ahmad and Dr. Saima Arshed). The Department of Mathematics, University of the Punjab organized five days International Conference on Relativistic Astrophysics from November 10-14, 2015.

In Departmental seminar faculty members and M.Phil./Ph.D. scholars delivered lectures.

Departmental Library has been enriched by adding 68 books relevant to Mathematics and 16 new research Journals during this period.

○ Publications

01. M. Sharif and A. Jawad, *Dark Energy Model with Generalized Cosmological Horizon*, J. Exp. Theor. Phys. **119**(2014)668-676 (**Springer**).
02. M. Sharif and Rubab Manzoor, *Lemaitre-Tolman-Bondi Dust Cloud Collapse in Brans-Dicke Gravity*, Mod. Phys. Lett. A **29**(2014)1450192 (**World Scientific**).
03. M. Sharif and Shamaila Rani, *Galactic Halo Wormhole Solutions in $f(T)$ Gravity*, Advances High Energy Phys. **2014** (2014)691497 (**Hindawi Publishing Corporation**).
04. M. Sharif and Z. Yousaf, *Energy Density Inhomogeneities in Charged Radiating Stars with Generalized CDTT Model*, Astrophys. Space Sci. **354**(2014)431-441 (**Springer**).
05. M. Sharif and Z. Yousaf, *Dynamical Analysis of Self-Gravitating Stars in $f(R,T)$ Gravity*, Astrophys. Space Sci. **354**(2014)471-479 (**Springer**).
06. M. Sharif and Z. Yousaf, *Dynamical Analysis of Radiating Spherical Collapse in Palatini $f(R)$ Gravity*, Astrophys. Space Sci. **354**(2014)481-496 (**Springer**).
07. M. Sharif and H. Ismat Fatima, *Thermodynamics with Corrected Entropies in $f(G)$ Gravity*, Astrophys. Space Sci. **354**(2014)507-515 (**Springer**).
08. M. Sharif and Rabia Saleem, *Effects of Viscous Pressure on Warm Inflationary Generalized Cosmic Chaplygin Gas Model*, J. Cosm. Astropart. Phys. **12**(2014)038 (**IOP, UK**).
09. M. Sharif and Rabia Saleem, *Dynamics of Warm Inflation with Gauge Fields in Bianchi Type I Universe Model*, Astropart. Phys. **62**(2015)100-107 (**Elsevier**).
10. M. Sharif and Rabia Saleem, *Warm Anisotropic Inflation with Bulk Viscous Pressure in Intermediate Era*, Astropart. Phys. **62**(2015)241-248 (**Elsevier**).
11. M. Sharif and Ayesha Ikram, *Wormholes Supported by $f(G)$ Gravity*, Int. J. Mod. Phys. D **24**(2015)1550003 (**World Scientific**).
12. M. Sharif and M. Z. Bhatti, *Structure Scalars and Super-Poynting Vector of Tilted Szekeres Geometry*, Int. J. Mod. Phys. D **24**(2015)1550014 (**World Scientific**).
13. M. Sharif and Rubab Manzoor, *Structure Scalars and Anisotropic Spheres in Brans-Dicke Gravity*, Phys. Rev. D **91**(2015)024018 (**APS**).



14. M. Sharif and Saima Jabbar, *Phase Space Analysis and Anisotropic Universe Model in $f(T)$ Gravity*, Commun. Theor. Phys. **63**(2015)168-180 (**China**).
15. M. Sharif and Z. Yousaf, *Stability of Regular Energy Density in Palatini $f(R)$ Gravity*, Eur. Phys. J. C **75**(2015)58 (**Springer**).
16. M. Sharif and Iqra Nawazish, *Some Exact Anisotropic Solutions via Noether Symmetry in $f(R)$ Gravity*, J. Exp. Theor. Phys. **120**(2015)49-56 (**Springer**).
17. M. Sharif and Z. Yousaf, *Role of Adiabatic Index on the Evolution of Spherical Gravitational Collapse in Paltini $f(R)$ Gravity*, Astrophys. Space Sci. **355**(2015)317-331 (**Springer**).
18. M. Sharif and M. Z. Bhatti, *Stability Analysis of Expansion-free Charged Planar Geometry*, Astrophys. Space Sci. **355**(2015)389-397 (**Springer**).
19. M. Sharif and Sehrish Iftikhar, *Dynamics of Scalar Thin-Shell for a Class of Regular Black Holes*, Astrophys. Space Sci. **356**(2015)89-101 (**Springer**).
20. M. Sharif and Sehrish Iftikhar, *Polytropic Thin-Shell Collapse in Non-Commutative d -Dimensional Reissner-Nordstrom Geometry*, Astrophys. Space Sci. **356**(2015)353-364 (**Springer**).
21. M. Sharif and Z. Yousaf, *Dynamics of Relativistic Fluids with Structure Scalars and ϵ R^2 Cosmology*, Gen. Relativ. Gravit. **47**(2015)48 (**Springer**).
22. M. Sharif and Z. Yousaf, *Radiating Cylindrical Gravitational Collapse with Structure Scalars in $f(R)$ Gravity*, Astrophys. Space Sci. **357**(2015)71 (**Springer**).
23. M. Sharif and Rabia Saleem, *Analysis of Anisotropic Universe Model via Noether Symmetry with Scalar and Vector Fields*, Astrophys. Space Sci. **357**(2015)49 (**Springer**).
24. M. Sharif and Sehrish Iftikhar, *Charged Dissipative Collapse of Shearing Viscous Star*, Astrophys. Space Sci. **357**(2015)79 (**Springer**).
25. M. Sharif and Sehrish Iftikhar, *Strong Gravitational Lensing in Non-Commutative Wormholes*, Astrophys. Space Sci. **357**(2015)85 (**Springer**).
26. M. Sharif and Zunaira Nasir, *Expansion-free Axial Dissipative Fluids in $f(R)$ Gravity*, Astrophys. Space Sci. **357**(2015)89 (**Springer**).
27. M. Sharif and Z. Yousaf, *Instability of Meridional Axial System in $f(R)$ Gravity*, Eur. Phys. J. C **75**(2015)194 (**Springer**).
28. M. Sharif and Sehrish Iftikhar, *Null Geodesics and Strong Field Gravitational Lensing in a String Cloud Background*, Advances High Energy Phys. **2015**(2015)635625 (**Hindawi Publishing Corporation**).
29. M. Sharif and Sidra Mohsaneen, *Inhomogeneous Viscous Fluid in Anisotropic Inflationary Universe*, Astrophys. Space Sci. **357**(2015)117 (**Springer**).
30. M. Sharif and Rabia Saleem, *Inflationary Study of Intermediate Modified Chaplygin Gas with Bulk Viscous Pressure*, Mon. Notices Roy. Astron. Soc. **450**(2015)3802-3810 (**OUP**).
31. M. Sharif and M. Z. Bhatti, *Dynamics of Charged Planar Geometry in Tilted and Non-Tilted Frames*, J. Exp. Theor. Phys. **120**(2015)813-819 (**Springer**).



32. M. Sharif and Zunaira Nasir, *Structure Scalars in Dissipative Axial Collapse in $f(R)$ Gravity*, Gen. Relativ. Gravit. **47**(2015)85 (**Springer**).
33. M. Sharif and Shamaila Rani, *Dynamical Instability of Expansion-free Collapse in $f(T)$ Gravity*, Int. J. Theor. Phys. **54**(2015)2524-2542 (**Springer**).
34. M. Sharif and M. Z. Bhatti, *Role of Bulk Viscosity and Electromagnetic Field on the Stability of Collapsing Cylinder*, Int. J. Theor. Phys. **54**(2015)2921-2931 (**Springer**).
35. M. Sharif and Zunair Nasir, *Evolution of Dissipative Anisotropic Expansion-free Axial Fluids*, Commun. Theor. Phys. **64**(2015)139 (**China**).
36. M. Sharif and Rubab Manzoor, *Structure Scalars and Cylindrical Systems in Brans-Dicke Gravity*, Astrophys. Space Sci. **359**(2015)17 (**Springer**).
37. M. Sharif and Rubab Manzoor, *Self-Gravitating Spherically Symmetric Fluid Models in Brans-Dicke Gravity*, Gen. Relativ. Gravit. **47**(2015)98 (**Springer**).
38. M. Sharif and Sehrish Iftikhar, *Corrigendum: Null Geodesics and Strong Field Gravitational Lensing in a String Cloud Background*, Advances High Energy Phys. **2015**(2015)219762 (**Hindawi Publishing Corporation**).
39. M. Sharif and H. Ismat Fatima, *Noncommutative Wormhole Solutions in $f(G)$ Gravity*, Mod. Phys. Lett. A **30**(2015)1550142 (**World Scientific**).
40. M. Sharif and Z. Yousaf, *Dynamics of Spherical Stars with Structure Scalars and $R+\epsilon R^n$ Cosmology*, Can. J. Phys. **93** (2015) 905-911 (**Canada**).
41. M. Sharif and Sehrish Iftikhar, *Null Geodesics and Strong Field Gravitational Lensing of Black Hole with Global Monopole*, Advances High Energy Phys. **2015**(2015)854264 (**Hindawi Publishing Corporation**).
42. M. Sharif and Sobia Saidq, *Effects of Charge on Anisotropic Conformally Flat Polytropes*, Can. J. Phys. **93**(11) (2015) 1420-1426 (**Canada**).
43. Muhammad Sarfraz, Munaza Ishaq and Malik Zawwar Hussain, *Shape Designing of Engineering Images Using Rational Spline Interpolation*, Advances in Material Science and Engineering, Volume **2015** (2015), **Article ID 260587**, 9 page
44. Farheen Ibraheem, Malik Zawwar Hussain and Akhlaq Ahmad, *C^1 Positive Surface Over Positive Scattered Data Sites*, PLOS ONE, **Vol. 10**, 2015.
45. Maria Hussain, Dr. Malik Zawwar Hussain, Amna Waseem and Moshayyadah Javaid, *$G C^1$ Shape- Preserving Trigonometric Spline*, Journal of Mathematical Imaging and Vision, **Vol. 53** (1), 2015.
46. Malik Zawwar Hussain, Muhammad Sarfraz and Farsia Hussain, *Shape Preserving Curves Using Quadratic Trigonometric Spline*, Applied Mathematics and Computation, **Vol. 265**. 2015. P1126-1144.
47. Muhammad Sarfraz, Farsia Hussain, Malik Zawwar Hussain, *Shape Preserving Positive Trigonometric*, Proc. IEEE **19th** International Conference on Information Visualization, 2015.
48. Misbah Irshad, Muhammad Sarfraz, Malik Zawwar Hussain, *Reverse Engineering of Planer Objects Using Imperialist Competitive Algorithm*, Proc. IEEE **19th** International Conference on Information. Visualization, 2015.



49. Malik Zawwar Hussain, Misbah Irshad, Muhammad Sarfraz and Nousheen Zafar, *Interpolation of Discrete Time Signals Using Cubic Functions*, Proc. IEEE **19th** International Conference on Information Visualization, 2015.
50. K.K.Myithili, R. Parvathi and M. Akram, *Certain types of intuitionistic fuzzy directed hypergraphs*, International Journal of Machine Learning and Cybernetics, DOI:10.1007/s13042-014-0253-1, 2014, **Springer**.
51. Akram, M, Chen, W. J. and Davvaz, B, *On N -hypergraphs*, *Journal of Intelligent and Fuzzy Systems*, **26** (2014) 29372944, IOS Press.
52. Ashraf, A, Akram, M., and Sarwar, S.M, *Type-II fuzzy decision support system for fertilizer*, The Scientific World Journal, **2014** (2014), Article ID 695815, 9 pages.
53. Akram, M., Al-Shehrie N. O, *Intuitionistic fuzzy cycles and Intuitionistic fuzzy trees*, The Scientific World Journal, Volume **2014** (2014), Article ID 305836, 11 pages.
54. Akram, M, Feng, F., Sarwar, S. and Jun, Y.B, *Certain types of vague graphs*, U.P.B. Sci. Bull., Series A **76**(1) (2014) 141-154.
55. Akram, M and Fariha Zafar, *On soft trees*, *Buletinul Academiei de Stiinte a Republicii Moldova*, **2**(78), 2015, 8295.
56. M.G. Karunambigai, Akram, M and R. Buvaneswari, *Strong and superstrong vertices in intuitionistic fuzzy graphs*, *Journal of Intelligent and Fuzzy Systems*, pp. 1-8, 2015, DOI: 10.3233/IFS-151786.
57. A. Nagoorgani, Akram, M and S. Anupriya, *Double domination on intuitionistic fuzzy graphs*, *Journal of Applied Mathematics and Computing*, 2015, pp. 1-15, DOI 10.1007/s12190-015-0952-0.
58. Akram, M and Saira Nawaz, *Operations on soft graphs*, *Fuzzy Information and Engineering*, Volume **7** (4) pp. 423-449. 2015.
59. Shaista, H. and Akram, M, *Decision-making system for washing machine using AIFNN*, *Mathematical Sciences Letters*, **4**(3) (2015), 303-311.
60. Nagoor Gani, K. Prasanna Devi and Akram, M, *Bondage and non-bondage number of a fuzzy graph*, *International Journal of Pure and Applied Mathematics*, **103**(2)(2015), 215-226.
61. Arif Butt, M. and Akram, M, *A novel fuzzy decision making system for cpu scheduling algorithm*, *Neural Computing & Applications*, DOI: 10.1007/s00521-015-1987-8, 2015.
62. Akram, M and Saira Nawaz, *On fuzzy soft graphs*, *Italian Journal of Pure and Applied Mathematics*, **34**(2015)463-480.
63. Al-Shehrie N. O and Akram, M, *Bipolar fuzzy competition graphs*, *Ars Combinatoria*, **121**(2015) 385-402.
64. Akram, M and N. O. Alshehri, *Tempered interval-valued fuzzy Hypergraphs*, *Scientific Bulletin Series A– Applied Mathematics and Physics*, **77**(1)(2015)39-48.
65. Akram, M., A. Farooq, A, Borumand Saeid and K.P. Shum , *Certain types of vague cycles and vague trees*, *Journal of Intelligent and Fuzzy Systems*, **28**(2)(2015)621-631.
66. Akram, M, Davvaz, B and Feng, F, *Fuzzy soft Lie algebras*, *Journal of multivalued valued and soft computing*, **24**(5-6) (2015) 501-520.



67. Akram, M., W. A. Dudek and Murtaza Yousaf, M, Akram, M., W. A. Dudek and Murtaza Yousaf, M., *Self centered interval-valued fuzzy graphs*, Afrika Matematika, **26**(5-6)(2015), 887-898.
68. Samanta, S., Akram, M. and Pal, M, *m- Step fuzzy competition graphs*, Journal of Applied Mathematics and Computing, **47**(1-2)(2015)461-472.
69. Muhammad Aslam Malik and Muhammad Touqeer, *Fuzzy hyper p-ideals of hyper BCK-algebras*, Filomat, **29**(8), 2015.
70. Muhammad Aslam Malik and Muhammad Touqeer, *Some Results on fuzzy hyper BCK-ideals of hyper BCK-algebras*, Indian Journal of Science and Technology, **8**(S3), 2015.
71. Muhammad Aslam Malik and Muhammad Touqeer, *Soft h-ideals of soft BCI-algebras*, Indian Journal of Science and Technology, **8**(S3), 2015.
72. Muhammad Aslam Malik and Muhammad Touqeer, *On Some properties of soft a-ideals*, Journal of Applied Mathematics and Informatics, Vol **33**. 2015.
73. M. Aslam Malik and Muhammad Touqeer, *Soft BCI-positive implicative ideals of Soft BCI-algebras*, Sci. Math. Jpn. **Vol. 28**. 2015.
74. Muhammad Touqeer and M. Aslam Malik, *Fuzzy hyper BCK-implicative ideals of hyper BCK-algebras*, Sci. Math. Jpn. **Vol. 28**. 2015.
75. Ghazala Akram and Christian Beck, *Hierarchical Cascade Model Leading to 7-th Order Initial Value Problem*, Applied Numerical Mathematics, **Vol. 91** Issue (C), 2015. p 89-97.
76. Ghazala Akram, *Solution of the System of Fifth Order Boundary Value Problem Using Sextic Spline*, Journal of Egyptian Mathematical Society, **Vol. 23** (02) 2015. P406-409.
77. Daud Ahmad and Bilal Masud, *Near-stability of a quasi-minimal surface indicated through a tested curvature algorithm*, Computers and Mathematics with Applications, **Vol. 69** (10) 2015. p1242-1262.
78. M. Khalid Mahmood and Farooq Ahmad, *A Classification of Cyclic Nodes and Enumeration of Components of a Class of Discrete Graphs*, Applied Mathematics and Information Sciences, **Vol 09** (01), 2015. P103-112.
79. Muhammad Khalid Mahmood and Khan, Y.D, *A Novel Technique for the Elucidation of Linear and Quadratic Congruences*, Pakistan Journal of Science, **Vol. 67** (03), 2015. p264-268.
80. Muhammad Khalid Mahmood and Khan, Y.D, *An Appraisal Algorithm for Tests of Divisibility Using Modular Arthmetic*, Pakistan Journal of Science, **Vol. 67** (04), 2015.
81. M. Imran, Madeeha Tahir, M.A. Imran and A.U. Awan, *Taylor-Cuette Flow of an Oldroyd-B Fluid in an Annulus Subject to a Time-dependent Rotation*, American Journal of Applied Mathematics, **Vol. 3** (3-1), 2015. p25-31.
82. Dr. Uzma Ahmad, *The power diagraphs associated with generalized dihedral groups*, Discrete Mathematics, Algorithms and Applications, **Volume 07** (04), 2015.



83. Shahid S.Siddiqi and Saima Arshed, *Numerical Solution of Time Fractional Fourth-Order Partial Differential Equations*, International Journal of Computer Mathematics, **Volume 92 (7)**, 2015.

CONFERENCES, SEMINARS AND WORKSHOPS, ETC.

1. Prof. Dr. Muhammad Sharif (Chairman) organized five days International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
2. Prof. Dr. Muhammad Sharif delivered a talk on Inflationary Universe Model (Dark Side of the Universe, University of Cape Town, South Africa, November 17, 2014).
3. Prof. Dr. Muhammad Sharif delivered a talk on Stability Analysis of Stellar Object (1st UMT National Conference on Pure and Applied Mathematics, Lahore, March 07, 2015).
4. Prof. Dr. Muhammad Sharif delivered a talk on Stability: Impact of Physical Factors (The International Conference on Gravitation and Cosmology/4th Galileo-Xu Guangqi Meeting, Institute of Theoretical Physics, Beijing, China, May 07, 2015).
5. Prof. Dr. Muhammad Sharif delivered a talk on Gravitational Lensing (Maths. Dept. PU Lahore, September 02, 2015).
6. Prof. Dr. Muhammad Sharif Strong delivered a talk on Gravitational Lensing of a Spherically Symmetric Black Hole (Spanish Relativity Meeting 2015, UIB, Palma de Mallorca, Spain, September 07, 2015).
7. Prof. Dr. Muhammad Sharif attended a conference Dark Side of the Universe, University of Cape Town, South Africa, November 17-21, 2014.
8. Prof. Dr. Muhammad Sharif attended a conference 1st UMT National Conference on Pure and Applied Mathematics, Lahore, March 07-08, 2015.
9. Prof. Dr. Muhammad Sharif attended a conference The International Conference on Gravitation and Cosmology/4th Galileo-Xu Guangqi Meeting, Institute of Theoretical Physics, Beijing, China, May 04-08, 2015.
10. Prof. Dr. Muhammad Sharif attended the Spanish Relativity Meeting 2015, UIB, Palma de Mallorca, Spain, September 07- 11, 2015).
11. Prof. Dr. Malik Zawwar Hussain presented the paper, Shape Preserving Positive Trigonometric Surfaces in 19th International Conference on Information Visualization, Barcelona, Spain, July 21-25, 2015.
12. Prof. Dr. Malik Zawwar Hussain presented the paper, Reverse Engineering of Palner Objects Using Imperialist CometitiveAlgorithm in 19th International Conference on Information Visulization, Barcelona, Spain, July 21-25, 2015.
13. Prof. Dr. Malik Zawwar Hussain presented the paper, Interpolation of Discrete Time Signals using Cubic Functions in 19th International Conference on Information visualization, Barcelona, Spain, July 21-25, 2015.
14. Dr. Muhammad Aslam Malik presented the paper the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.



15. Dr. Ghazala Akram attended the International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore, Pakistan. February 10 - 14, 2015.
16. Dr. Daud Ahmad attended the International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore, Pakistan. February 10 - 14, 2015.
17. Dr. Muhammad Riaz presented the Some Inequalities on Generalized Tribonacci and Generalized Pell Padovan Sequence at 16th International Conference of Pure Mathematics, August 21-23, 2015, Margala Hotel, Islamabad, Pakistan.
18. Dr. Muhammad Riaz presented the paper in the Departmental Seminar Series on Soft Set Theory and Soft Topology, on December 03, 2014 Department of Mathematics, University of the Punjab, Lahore.
19. Dr. Muhammad Riaz attended the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.
20. Dr. Muhammad Riaz attended the International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore, Pakistan. February 10 -14, 2015.
21. Dr. Muhammad Riaz attended the Indigenous On Campus Training of Faculty Members, University of the Punjab Lahore (From December 22-26, 2014) Batch-8, held at Institute of Administrative Science, University of the Punjab, Lahore.
22. Dr. Nauman Raza delivered the talk on Series Solution of Legendre Equation Using Sobolev Gradients arranged by CASM, LUMS on April 27, 2015.
23. Dr. Nauman Raza delivered the talk on Numerical Solution of Klein Gordon Equation Using Sobolev gradients at Department of Mathematics, University of Engineering and Technology, Lahore on February 28, 2015.
24. Dr. Azia Ullah Awan attended the Indigenous On Campus Training of Faculty Members, University of the Punjab Lahore (From December 22-26, 2014) Batch-8, held at Institute of Administrative Science, University of the Punjab, Lahore.
25. Dr. Aziz Ullah Awan attended the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.
26. Dr. Aziz Ullah Awan organizer, International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore, Pakistan. February 10 -14, 2015.
27. Dr. Uzma Ahmad presented the paper in 25th British Combinatorial International Workshop on Discrete Structures 2015 held at Mathematics Institute of University of Warwick, Coventry, United Kingdom from July 6-10, 2015.
28. Dr. Uzma Ahmad attended the workshop on Modern Aspect of Algebra and graph Theory held at Department of Mathematics, CIIT, Lahore March 27-28, 2015.
29. Dr. Muhammad Zaeem ul Haq Bhatti delivered the talk on Charged Static Axial Symmetric Solutions and Scalar Structures at Department of Mathematics, University of



the Punjab, Lahore-Pakistan; December 04, 2014.

30. Dr. Muhammad Zaeem ul Haq Bhatti delivered the talk on Stability of the Expansion-free Charged Cylinder At Department of Mathematics, University of the Punjab, Lahore-Pakistan; November 12, 2014.
31. Dr. Muhammad Zaeem ul Haq Bhatti delivered the talk on Some Inhomogeneity Factors in Self-gravitating Systems in an International Conference named "International Conference on Relativistic Astrophysics" at University of the Punjab, Lahore-Pakistan during February 10-14, 2015.
32. Dr. Muhammad Zaeem ul Haq Bhatti delivered the talk on Gravitational Collapse and Structure Formation in General Relativity at Department of Mathematics, University of the Punjab, Lahore-Pakistan; February 25, 2015.
33. Dr. Muhammad Zaeem ul Haq Bhatti delivered the talk on Some Physical Factors on Expansion-free Collapse at "1st National Conference on Pure and Applied Mathematics" at University of Management and Technology, Lahore, Pakistan during March 07-08, 2015.
34. Dr. Muhammad Zaeem ul Haq Bhatti attended the International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore Pakistan. February 10 -14, 2015.
35. Dr. Muhammad Zaeem ul Haq Bhatti attended the 1st National Conference on Pure and Applied Mathematics, UMT, Pakistan. March 7-8, 2015.
36. Dr. Zeeshan Yousaf delivered the talk Energy Density Inhomogeneities with Polynomial $f(R)$ Cosmology at Department of Mathematics, University of the Punjab, Lahore; October 29, 2014.
37. Dr. Zeeshan Yousaf delivered the talk Dynamical Instability of Relativistic Fluids at International Conference on Relativistic Astrophysics by Department of Mathematics, University of the Punjab, Lahore-Pakistan; February 10–14, 2015.
38. Dr. Zeeshan Yousaf delivered the talk A Bird's Eye of $f(R)$ Gravity at Department of Mathematics, University of the Punjab, Lahore; February 25, 2015.
39. Dr. Zeeshan Yousaf delivered the talk Energy Density Irregularities in $f(R)$ Gravity at 1st UMT National Conference on Pure and Applied Mathematics, University of Management Technology, Lahore-Pakistan; March 07–08, 2015.
40. Dr. Zeeshan Yousaf attended the International Conference on Relativistic Astrophysics, Department of Mathematics, University of the Punjab, Lahore, Pakistan. February 10 -14, 2015.
41. Dr. Zeeshan Yousaf attended the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.
42. Miss Rabia Saleem attended the Spanish Relativity Meeting 2015, UIB, Palma de Mallorca, Spain, September 07- 11, 2015).
43. Miss Rabia Saleem attended the 14th Regional Conference on Mathematical Physics, November 9-14, 2015. Quaid e Azam University, Islamabad, Pakistan.



44. Miss Rabia Saleem attended the International Conference on Recent Advances in Applied Mathematics, COMSATS, Lahore. December 17-18, 2015.
45. Miss Wardat us Salam attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
46. Miss Wardat us Salam attended the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.
47. Miss Sumera Naz attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
48. Miss Sumera Naz attended the 1st UMT Conference on Pure and Applied Mathematics, UMT Lahore on March 7-8, 2015.
49. Miss Sumera Naz attended the Workshop on Modern Aspects of Algebra and Graph Theory organized by CIIT Lahore. Pakistan, held on March 27-28, 2015.
50. Miss Rubab Manzoor attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
51. Miss Sehrish Iftikhar attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
52. Haifza Ismat Fatima delivered the talk on Energy Conditions for Bianchi Type-I Universe in $f(R)$ gravity, Department of Mathematics, University of the Punjab, Lahore.
53. Mr. Zaffer Elahi attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
54. Miss Musavarah Sarwar attended the Workshop on Modern Aspects of Algebra and Graph Theory organized by Department of Mathematics CIIT Lahore Campus on March 27-28, 2015.
55. Ms. Kanwal Nazir attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
56. Miss Saadia Mumtaz attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
57. Ms. Ayesha Ikram attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
58. Ms. Iqra Nawazish attended the International Conference on Relativistic Astrophysics at University of the Punjab February 10-14, 2015.
59. Ms. Sobia Sadiq delivered the talk on Effects of Charge on Anisotropic Conformally Flat Polytropes in the Departmental Seminar Series on May 13, 2015.

RESEARCH JOURNALS

Punjab University Journal of Mathematics (PUJM, Category Y) published 47(2) (2015) edition and 08 Journals have been exchanged in the different libraries worldwide.



RESEARCH COLLABORATION

▪ 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. DPCC granted scholarships to four Ph.D students and three for M.Phil. student).
- ii. Research Project granted for the period 2014-2015 the following faculty members, Prof. Dr. Muhammad Sharif, Prof. Dr. Muhammad Akram, Dr. Muhammad Aslam Malik, Dr. Muhammad Khalid Mahmood, Dr. Muhammad Riaz, Dr. Nauman Raza, Dr. Uzma Ahmad, Dr. Muhammad Zaeem ul Haq Bhatti and Dr. Zeeshan Yousaf.

DEPARTMENT OF PHYSICS

○ R&D-An Overview (5 – 10 lines)

Research activities in the Department are going on in various areas including experimental and theoretical Physics in collaboration with other national institutions/ Organizations namely PINSTECH, INMOL, Shaukat Khanum Hospital, SUPARCO, Govt. College University, CSSP, Department of Meteorology and PCSIR. The main fields of research in theoretical Physics are: Quantum Field Theory, Conformal Field Theory, Condensed Matter Physics, Plasma and Nonlinear Physics. On the other hand, the experiment research includes Material Science, Solid State Physics, Nuclear Physics, Nuclear Medicine, Physics of Semiconductor Devices, Atmospheric Physics, Environmental Pollution & Climatology, and Quantum Wires / Quantum Dots (Nanotechnology) and estimation chemical contamination of drinking water. Eleven (11) 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: 01
 - Dr. Usman Saleem



(ii) Under Process: 08

○ **Publications:**

1. Abdul Waheed Anwar, Abdul Majeed, Nadeem Iqbal , Wasi Ullah, Ahmad Shuaib, Usman Ilyas, Fozia Bibi, and **Hafiz Muhammad Rafique (2015)** Specific Capacitance and Cyclic Stability of Graphene Based Metal/Metal Oxide Nanocomposites: A review Journal of Materials Science & Technology (I.F 1.198)
2. Muhammad Abdullah Sohl, Patric Schhlager, Klaus Schmieder, and **Hafiz Muhammad Rafique (2015)** Bioenergy Crop Identification at Field Scale Using VHR Airborne CIR Imagery Photogrammetric Engineering and Remote Sensing (I.F 2.11)
3. **Dr. Rashid Ali**, M.N.Shaikh, and Burhan Zamir **(2015)** TE surface waves in a plasma sandwich structure Acta Physics Polinica A (I.F 00)
4. **Dr. Rashid Ali**, and H.A.Shah **(2015)** Soliton propagation in a magneteic-Semiconducting medium Modern Physics letter (0.687)
5. **M. Hassan and U. Saleem (2015)** Quasideterminant Solutions of nonlinear Schrodinger equations based on Hermitian symmetric spaces Communications in Nonlinear Science and Numerical Simulation 23 343-365) (I.F 2.569)
6. **U. Saleem and M. Hassan (2015)** Quasideterminant Solutions of nonlinear Schrodinger equations based on Hermitian symmetric spaces Communications in Nonlinear Science and Numerical Simulation (I.F 2.569)
7. F. Guo, **A. Javed** and P. Xiao **(2015)** Microsturcture, oxidation behavior and mechanical properties of Fe₂O₃ doped yttria-partially stabilized zirconia coatings produced on metallic substrates by electrophoretic deposition, Surface and Coating Technology (I.F 1.998)
8. **Dr. Rashid Ali** and H.A. Shah (2015) Soliton propagation in a magnetic-semiconducting medium Modern Physics letter (I.F 0.746)
9. **Dr. Munazza Zulfiqar Ali**, A.Bhatti, Q. Haque, S Mehmood (2015) Global Transmission diagrams for Evanescent waves in nonlinear Hyperbolic metamaterials Chinese Optics Letters13 (I.F 1.85)
10. **Dr. Munazza Zulfiqar Ali (2015)** Nonlinear Tunnding of surface Plasmon's Polaritons in periodic structures containing left-handed metamaterials **layers, Advances in condensed matter Physics (I.F 0.85)**
11. **X.Z Wang, X.Y. Liu, A. Javed, C. Zhu, G.Y. Liang (2015)** Phase transition behavior of yttria- stabilized zirconia tetragonal to monoclinic in the lanthanum zirconate/yattria-stabilized zirconia coupled-System using molecular dynamics simulation Journal of Molecular Liquids (I.F 2.515)



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

2.1 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.

2.3 Publications:

Sr. No.	Name of Author	Title of Paper/Article
1.	Muhammad Younis, Safdar Ali, and Syed Amer Mahmood.	"Solitons for compound KdV–Burgers equation with variable coefficients and power law nonlinearity", Published in International Journal of Nonlinear Dynamics and Chaos in Engineering Systems ISSN 0924-090X By SPRINGER . IF 2.419 Published April, 2015.



2.	R. M. A.Khan, S.A.Mahmood*, S.R. Ahmad and U. Alvi.	"Surface Deformation Using Geomorphometric Indices Based on SRTM DEM in the Jhelum Valley-Pakistan". in Geodynamic Research International Bulletin (GRIB). (Quarterly Journal) ISSN 2345-4997 Published March 2015.
3.	S. A. Mahmood ^{1*} , S. Javed ² and S. R. Ahmad ² .	"Investigation of Ghazarband fault zone (GFZ) through DEM based Geomorphic indices" in geodynamic Research International Bulletin (GRIB)(Quarterly Journal) ISSN 2345-4997 Publish date, May, 2015.
4.	S. A. Mahmood, S. Hasan, S. R. Ahmad and R. M. A. Khan.	"Spatial and Statistical Analysis of Glacio- Fluvial Hypsometry Using STRM DEM" in Geodynamic Research International Bulletin (GRIB), "in Geodynamic Research International Bulletin (GRIB). Publish date, May, 2015.
5.	S.A. Mahmood, A. Masood, J. Qureshi, R.M.A. Khan.	Neotectonics of Gilgit-Baltistan: insight from SRTM DEM; in Geodynamics Research International Bulletin, ISSN 2345-4997, 3(1): 1-9, S.No.9, June 2015.
6.	S.A. Mahmood, J. Qureshi, A. Masood.	DEM based appraisal of Neotectonics in Potwar Plateau- N.Pakistan; in Geodynamics Research International Bulletin, ISSN 2345-4997, 2(5): 1-8, 2015.
7.	S.A. Mahmood, I. Murtaza, S.R. Ahmad A. Masood.	DEM based active deformation in Awaran and vicinity Baluchistan (Pakistan); in Geodynamics Research International Bulletin, ISSN 2345-4997, 3(3):1-11, S.NO:11, Sep 2015.
8.	N. Rubab, S. Ali, G. Jaffer.	Dust Kinetic Alfven waves and streaming instability in a Lorentzian magnetoplasma: Perpendicular Propagation, Phys. Plasmas, 21, 063702 (2014), 2014. Impact factor 2.142
9.	M. T. Mushtaq. M.S. Khan, S. Ehsan. G. Jaffer, I. Khan, S.B. Nasir, o. Koudelka.	Frequency analysis and selection for cognitive radio using fuzzy logic system, Pensee Journal (ISSN: 0031-4773) Vol. 76, Issue 1, 2014. Impact factor 0.014
10.	N. rubab, G. Jaffer, R. Nader, MT Mushtaq,	Space outreach initiatives through online & real-time space operations using virtual ground station, Aerospace Conference, 2015, IEEE.



11.	G. Jaffer, N. Rubab.	Detection and geo-location of sfereics on board lightning Nano-Satellite (LiNSAT), Aerospace
12.	Salman Tariq, Zia ul-Haq, Muhammad Ali.	Satellite and ground-based remote sensing of aerosols during intense haze event of October 2013 over Lahore, Pakistan. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , ISSN 1976-7633, A publication of Korean Meteorological Society (KMS), <i>Impact Factor</i> 1.347 (2015).
13.	Zia ul-Haq, Salman Tariq, Muhammad Ali.	Atmospheric variability of methane over Pakistan, Afghanistan and adjoining areas using retrievals from SCIAMACHY/ENVISAT. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> Volume 135, Pages 161–173, doi: 10.1016/j.jastp. 2015.11.002, <i>Impact Factor</i> 1.474 (2015).
14.	Khalid Mahmood, Zia ul-Haq, Syeda Adila Batool, Asim Daud Rana, Salman Tariq.	Application of Temporal GIS to Track Areas of Significant Concern Regarding Groundwater Contamination. <i>Environmental Earth Sciences</i> , <i>Impact Factor</i> 1.77 (2015)
15.	Zia ul-Haq, Salman Tariq, Muhammad Ali.	Tropospheric NO ₂ trends over South Asia during the last decade (2004-2014) using OMI data. <i>Advances in Meteorology</i> (Special Issue: Satellite Observation of Atmospheric Compositions for Air Quality and Climate Study (SOAC), Article ID 959284, Pages 18, A publication of Hindawi Publishing Corporation, USA, ISSN 1687-9309, http://dx.doi.org/10.1155/2015/959284 , <i>Impact Factor</i> 0.946 (2015).
16.	Salman Tariq, Zia-ul-Haq, Muhammad Ali.	Analysis of Optical and Physical Properties of Aerosols during Crop Residue Burning Event of October 2010 over Lahore, Pakistan. <i>Atmospheric Pollution Research</i> Volume 6, Pages 969-978 (A publication of Turkish National Committee for Air Pollution Research and Control, TUNCAP), doi:10.1016/j.apr.2015.05.002, ISSN 1309-1042, <i>Impact Factor</i> 1.371 (2015).



17.	Zia ul-Haq, Asim Daud Rana, Muhammad Ali, Khalid Mahmood, Salman Tariq, Zarmina Qayyum.	<i>Carbon monoxide (CO) emissions and its tropospheric variability over Pakistan using satellite-sensed data. Advances in Space Research Volume 56, Pages 583-595 (The Official Journal of the Committee on Space Research, COSPAR), a Scientific Committee of the International Council for Science (ICSU), USA published by Elsevier, doi:10.1016/j.asr.2015.04.026, ISSN 0273-1177, Impact Factor 1.358 (2015).</i>
18.	Zia ul-Haq, Salman Tariq, Asim Daud Rana, Muhammad Ali, Khalid Mahmood, Shahid Parvez.	Satellite remote sensing of total ozone column (TOC) over Pakistan and neighbouring regions. <i>International Journal of Remote Sensing</i> Volume 36, Number 4 (February 2015), Pages 1038-1054, (An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group, UK), doi: 10.1080/01431161.2015.1007255, ISSN 0143-1161 (Print), 1366-5901 (Online), Impact Factor 1.359 (2015).
19.	Salman Tariq and Muhammad Ali.	Spatio-temporal Distribution of Absorbing Aerosols over Pakistan Retrieved from OMI Onboard Aura Satellite. <i>Atmospheric Pollution Research</i> , Volume 6, Issue 2 (March 2015), Pages 254-266, doi: 10.5094/APR.2015.030. A publication of Turkish National Committee for Air Pollution Research and Control (TUNCAP), ISSN 1309-1042, Impact Factor 1.371 (2015).
20.	Mahmood K., Batool S.A., Chauhdhery M.N., Daud A.	Evaluating municipal solid waste dump using geographic information system. <i>Polish Journal of Environmental Studies</i> , 24(2): 879-886.
21.	Mahmood K., Khan R.M., Ashfaq A., Ahsan H., Shakoor Z., Tanveer T.	Assessment of the Intrinsic Vulnerability to Groundwater Contamination in Lahore, Pakistan. <i>Pakistan journal of Scientific and Industrial Research</i> , 58 (1): 8-16.
22.	Kanwal S., Gabriel H. F., Mahmood K., Ali R., Haidar A., Tehseen T.	Lahore's Groundwater Depletion-A Review of the Aquifer Susceptibility to Degradation and its Consequences. <i>Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan</i> 20(1): 26-38.

2.4 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.

○ **Publication During 2015**

○ **Dr. Adnan Mujahid**

Sr.No.	Publications	Impact Factor	Citations
1	M. Hashim Raza, Rafael Mattera, Robert Morell, Eduardo Sainz, Rachel Rahn, Joanne Gutierrez, Emily Paris, Jessica Root, Beth Solomon, Carmen Brewer, M. Asim Raza Basra , Shaheen Khan, Sheikh Riazuddin, Allen Braun, Juan S. Bonifacino, Dennis Drayna. Association between Rare Variants in AP4E1, a Component of Intracellular Trafficking, and Persistent Stuttering." <u>Am J Hum Genet</u> 97 (5): 715-25	10.931	-
2	Raza MH, Domingues CE, Webster R, Sainz E, Paris E, Rahn R, Gutierrez J, Chow HM, Mundorff J, Kang CS, Riaz N, Basra MA , Khan S, Riazuddin S, Moretti-Ferreira D, Braun A, and Drayna D. "Mucopolidosis types II and III and non-syndromic stuttering are associated with different variants in the same genes." <u>Eur J Hum Genet</u> . 2015 Jul 1. doi: 10.1038/ejhg.2015.154.	4.349	01
3	Nawaz, M., Ma, C., Basra, M.A. , Wang, J. and Xu, J. "Amelioration of ovalbumin induced allergic symptoms in Balb/c mice by potentially probiotic strains of lactobacilli." <u>Benef Microbes</u> 6 (5): 669-78.	2.614	-
4	Khan, A.M., Shahzad, M., Raza Asim, M.B. , Imran, M. and Shabbir, A. "Zingiber officinale ameliorates allergic asthma via suppression of Th2-mediated immune response." <u>Pharm Biol</u> 53 (3): 359-67.	1.241	05



○ PROF. DR. FARAH KANWAL

Sr. No.	Authors	Publication	Impact factor
1.	Zahoor H. Farooqi, Shanza Rauf Khan, Robina Begum, Farah Kanwal , Ahsan Sharif, Ejaz Ahmed, Shumaila Majeed, Kiran Ijaz, Aysha Ijaz	Effect of acrylic acid feed contents of microgels on catalytic activity of silver nanoparticles fabricated hybrid microgels, <i>Turkish Journal of Chemistry</i> , 39, 96-107, (2015).	1.117
2.	Farah Kanwal , Rabia Rehman, Sadia Rasool	Adsorptive eradication of Cadmium (II) from water in eco-friendly way using biocomposites of Polyaniline with Madhuca longifolia and Eugenia jambolana leaf powder, <i>Asian Journal of Chemistry</i> , 27(2), 449-454, (2015). DOI:10.14233/ajchem.2015.16948	-
3.	Zahoor H. Farooqi, Tanzila Sakawat, Shanza Rauf Khan, Farah Kanwal , Muhammad Usman, Robina Begum	Synthesis, characterization and fabrication of copper nanoparticles in N-isopropylacrylamide based co-polymer microgels for degradation of p-nitrophenol, <i>Materials Science-Poland</i> , 33(1), 185-192 (2015).	0.507
4.	Farah Kanwal , Ayesha Batool, M. Adnan, Shahzad Naseem	The effect of molecular structure, band gap energy and morphology on the dc electrical conductivity of polyaniline/aluminium oxide composites, <i>Materials Research Innovations</i> , 19(S8), 354-358 (2015).	0.830
5.	Muqaddas Saleem, Farah Kanwal , Muhammad Imran, Liviu Mitu	Synthesis, Characterization and adsorption studies of Sulphonated Poly(Styrene), <i>Journal of the Chemical Society of Pakistan</i> , 37 (6), 2015, 1130-1134.	0.612

○ DR. MUHAMMAD IMRAN DIN

1. Novel Sonochemical Single Step Fabrication of NiO Nanoparticles

Sadia Ata, Anila Tabassum, **Muhammad Imran Din**, Muhammad Arif Bhatti, Digest Journal of Nanomaterials and Biostructures 11(1): 65-80, 2016 (*I.F=0.948*)

2. Dispersion of Iron Nanoparticles by Polymer-Based Hybrid Material for Reduction of Hexavalent Chromium

Syed Wasim Ali, Mumammad Latif Mirza, Tariq Mahmood Bhatti, Kashif Naeem **Muhammad Imran Din**, Journal of Nanomaterials, Volume 2015, Article ID 895837, 1-8, 2015 (*I.F=1.6*)

3. Green Synthesis and Characterization of Silver Nanoparticles using Ferocactus echidne Extract as a Reducing Agent

Asma Tufail Shah, **Muhammad Imran Din**, Abdul Qadir, Farzana Rashid Analytical Letters, 48:1180–1189, 2015. (*I.F=1.031*)



4. Direct synthesis of mesoporous molecular sieves of Ni-SBA-16 by internal pH adjustment method and its performance for adsorption of toxic Brilliant Green dye

Asma Tufail Shah, **Muhammad Imran Din**, Farva Nausheen Kanwal, M. Latif Mirza
Arabian Journal of Chemistry; 8, 579–586, 2015 **I.F=3.75**

5. Critical Study of Multiple Regressions Modelling for Monitoring of Haloacetic Acids in Water Reservoirs

Sadia Ata, **Feroza Hamid Wattoo**, **Muhammad Imran Din**

Arabian Journal for Science and Engineering 40:101–108 (2015) **I.F=0.367**

6. Bioactivity of medicinal plants *Mentha arvensis* and *Peganum harmala* extracts against *Heterotermes indicola* (Wasmann) (Isoptera)

Ayesha Aihetasham, Maryam Umer, Muhammad Saeed Akhtar, **Muhammad Imran Din**, Khalid Zamir Rasib, International Journal of Biosciences, 7(5), 116-126, 2015. **(I.F=0.5)**

○ **Accepted Papers**

1. Microwave Treated *Salvadora oleoides* as an Eco-friendly Biosorbent for the Removal of Toxic Methyl Violet Dye from Aqueous Solution -- A Green Approach

Muhammad Imran Din, Zaib Hussain*, Hifza Munir, Amber Naz, Azeem Intisar, M. Nouman Makshoof, M. Latif Mirza, International Journal of Phytoremediation, 2016(Accepted) DOI:10.1080/15226514.2015.1115959, I.F.1.739 **(I.F=1.739)**

MUHAMMAD ABDUL QADIR

1. Muhammad Abdul Qadir, Mahmood Ahmed and Rabia Ikram, "Synthesis, antimicrobial and antifungal possessions of tramadol esters: In vitro studies", Pak. J. Pharm. Sci., Vol.28, No.4, July 2015, pp.1307-1310 IF=0.728
2. S.K. Shahzadi, M.A. Qadir, S. Shahzad, M. Javed, 99mTc-amoxicillin: a novel radiopharmaceutical for Infection Imaging, Arabian Journal of Chemistry (2015), doi: <http://dx.doi.org/10.1016/j.arabjc.2015.04.003> IF=3.7
3. Muhammad Abdul Qadir, Shabnam Shahzad, Rashid Rasheed, Mahmood Ahmed, Shahzad Anwar, and Syeda Kiran Shahzadi, "A Novel Method for the Synthesis of 99mTc-Ofloxacin Kits Using D-Penicillamine as Coligand and Their Application as Infection Imaging Agent" BioMed Research International , Volume 2015, Article ID 502680, 8 pages, <http://dx.doi.org/10.1155/2015/502680> IF-1.57
4. **Muhammad A. Qadir**, Mahmood AHMED and Anum Khaleeq, "Synthesis and Biological Evaluation of Amino Terminal Modified New Sulfonamides of Contemporary Drugs". *Latin American Journal of Pharmacy* (formerly *Acta Farmacéutica Bonaerense*), *Lat. Am. J. Pharm.* **34** (4): 719-24 (2015) IF-0.334
5. **Muhammad Abdul Qadir**, Mahmood Ahmed, Iftikhar-ul-Haq and Saghir Ahmed, "Improved limit of detection and quantitation development and validation procedure for quantification of zinc in Insulin by atomic absorption spectrometry" Pak. J. Pharm. Sci., Vol.28, No.3, May 2015, pp.875-879 IF-0.728



6. **Muhammad Abdul Qadir**, Mahmood Ahmed and Muhammad Iqbal, "Synthesis, Characterization, and Antibacterial Activities of Novel Sulfonamides Derived through Condensation of Amino Group Containing Drugs, Amino Acids, and Their Analogs", Hindawi Publishing Corporation", BioMed Research International Volume 2015, Article ID 938486, 7 pages <http://dx.doi.org/10.1155/2015/938486> IF-1.57
7. Asma Tufail Shah, Muhammad Imran Din, Shahid Bashir, **Muhammad Abdul Qadir** and Farzana Rashid, "Green Synthesis and Characterization of silver nanoparticles using ferocactus echidne extract as a reducing agent" , Analytical Letters, 48: 1180–1189, 2015 , DOI: 0.1080/00032719.2014.974057 IF-0.982
8. **Muhammad Abdul Qadir**, Feroza Hamid Wattoo, Mehwish Yaseen, Sadia Atta, Muhammad Hamid Sarwar Wattoo, Sheikh Asrar Ahmad, Asad Gulzar ,” In-vitro binding assay study of 99mTc-flouroquinolones with E. coli, Salmonella and Ps. Aeruginosa”, Alexandria Journal of Medicine (2015) 51, 47–52 IF-0.644
9. **Muhammad Abdul Qadir**, Mahmood Ahmed, Shabnam Shahzad. Determination of Aluminium by Electrothermal Atomization Atomic Absorption Spectrometry in Serum to Characterize Hemodialysis Toxicity. Anal. Lett. 2015 48 (1): 147-153. IF-0.982
10. Muhammad A. Qadir, Mahmood Ahmed, Muhammad I. Shafiq, Nasir Mahmood , Sarosh Anwar, Tayyaba Habib, & Sajilah Nosheen. Synthesis, Spectral Characterization and Biological Activities of Methyl Substituted Amino Acid Conjugated Sulfonamides. Latin American Journal of Pharmacy, 34 (8): 1511-5 (2015). IF-0.372
11. Muhammad Abdul Qadir, Mahmood Ahmed, Hina Aslam, Sadia Waseem, and Muhammad Imtiaz Shafiq. Amidine Sulfonamides and Benzene Sulfonamides: Synthesis and Their Biological Evaluation. Hindawi Publishing Corporation, Journal of Chemistry, Volume 2015, Article ID 524056, 8 pages, <http://dx.doi.org/10.1155/2015/524056>. IF- 0.772
12. A. Ali, M. Ahmed, T. Mahmud, M. A. Qadir, K. Nadeem and A. Saleem. Stability-indicating High-performance Liquid Chromatography Method for Simultaneous Determination of Aminophylline and Chlorpheniramine Maleate in Pharmaceutical Formulations. Indian Journal of Pharmaceutical Sciences, 77(5): 511-654 (2015). IF- 0.48
13. Abid Nazir Gill, Muhammad Akbar, Muhammad Abdul Qadir, Muhammad Pervaiz and Ahmad Adnan. Chlorine Dioxide Mediated Oxidation of Sub-Bituminous Coal for Humic Acid Production. Asian Journal of Chemistry. Vol.27, No.11 (2015), 3961-3964.
14. Hajira Rehman, Abdul Qadir, Zulfiqar Ali, Nasir Mahmood, Asmat Zahra, Habib Hussain and Tanzeela Gulab Shahzadi. Synthesis, Spectroscopic Characteristics and Anti Bacterial Study of Some Novel Sulphonamides. Asian Journal of Chemistry. Vol. 28(2), 343-346.
15. Shabnam Shahzad, Muhammad Abdul Qadir, Rashid Rasheed, Mahmood Ahmed. Synthesis of 99mTc-gemifloxacin freeze dried kits and their biodistribution in Salmonella typhi, Pseudomonas aeruginosa and Klebsiella pneumonia. Arabian Journal of Chemistry (2015).IF-3.7



16. Shabnam Shahzad, Muhammad Abdul Qadir and Mahmood Ahmed. Development of Stable Freeze Dried Kits of 99mTc-Ciprofloxacin for Infection Imaging. *J. Chem. Soc. Pak. Vol.37.No.4*, (2015). IF-0.35
17. M. A. Qadir, M. Ahmed, W. A. Hussain and M. S. Tahir. Development and Validation of New HPLC Method for Simultaneous Estimation of L-Lysine Hydrochloride and L-Carnitine-L-Tartrate in Pharmaceutical Dosage Form. *Indian Journal of Pharmaceutical Sciences. Vol. 77(4)*, 367-510. IF-0.479
18. Shabnam Shahzad, Muhammad A. Qadir, Rashid Rasheed, Shahzad Anwar & Mahmood Ahmed. In Vivo Studies 99mTc-Levofloxacin Freeze Dried Kits in Salmonella typhi, Pseudomonas aeruginosa, and Escherichia coli. *Lat. Am. J. Pharm.* **34** (4): 760-5 (2015)

○ **DR. MAKSHOOF ATHAR**

- 1 Muhammad Hamid Raza, Aqsa Sadiq, Umar Farooq, **Makshoof Athar**, Tajamal Hussain, Adnan Mujahid and Muhammad Salman, Phragmites karka as Biosorbent for the Removal of Mercury Metal Ions form Aqueous Solution: Effect of Modificaiton, **Journal of Chemistry**, Vol. 2015 (Accepted) (2015) **I. F. (0.772)**
- 2 Tasneem Ullah Sheikh, M. Naeem Khan, Ghulam Hussain, **Muhammad Makshoof Athar**, M. Ashraf, Faizaul Hassan Nasim, Shafia Arshad, Karamat Mahmood and Misbahul Ain Khan, Synthesis and Biological Screening of Heterocyclic Ligands-Pyrazole Derivatives Metal Complexes, **Asian Journal of Chemistry**, Vol. 27, No. 1, 257-260 (2015) **I. F. (0.45)**
- 3 Mobina Rafiq, Umar Farooq, **M. Athar**, M. Salman, M. Aslam and H. M. Hamid Raza, Gardenia Jasminoides: an ornamental plant for the biosorption of lead and cadmium ions. **Desalination and Water Treatment**, Online 2015. **I.F (1.173)**
- 4 M. Salman, **Makshoof Athar** and Umar Farooq, Biosorption of heavy metals from aqueous solutions using indigenous and modified lignocellulosic materials. *Rev Environ Sci Biotechnology*, Vol. 14, 211-228, (2015) **I. F. (3.333)**
- 5 Maria Zaib, **Muhammad Makshoof Athar**, Electrochemical Evaluation of *Phanerocheaete Chrysosporium* Based Carbon Paste Electrode with Potassium Ferricyanide Redox System. *Int. J. Electrochemical Sci.* 10, P. 6690-6702, (2015) **I. F. (1.500)**
- 6 Maria Zaib, **Muhammad Makshoof Athar**, Asma Saeed, Umar Farooq, Electrochemical determination of inorganic mercury and arsenic-Areview, **Biosensors and Bioelectronics**, Vol. 74, 895-908, (2015) **I. F. (6.409)**
- 7 Sadia Ata, Shaista Khaliq, Atif Aslam, Irtaza Javeria, Tahir Jamil, **Muhammad Makshoof Athar**, M. Imtiaz Shafiq, Abdul Ghaffar, Injectable biopolymer based hydrogel for drug delivery applications, **International Jounarl of biological Macromolecules**, Vol 80, P. 240-245 (2015) **I. F. (2.858)**
- 8 Umar Farooq, M. Batool, M. Athar, M. Salman, Q. Ahmed, A. Sharif, Use of Wheat straw for effective binding of metal ions via a novel modification, **The Korean Journal of Chemical Engineering**. Vol. 32 (9), P. 1818-1826 (2015) **I. F. (1.24)**
- 9 Muhammad Ahmad, Robert Thomas Bachmann, Misbahul Ain Khan, Robert G. J Edyvean, Umar Farooq and **Muhammad Makshoof Athar**, Dye removal using carbonized biomass, adsorption isotherm and kinetic study, **Desalination and Water Treatment**. Vol. 53, P. 2289-2298 (2015) **I.F (1.173)**



○ MISBAH SULTAN

Sr. No.	Name of Faculty Member with co-authors (Dr. Misbah Sultan)	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact Factor (IF)	HEC Recog.	Other	Conference Proceedings
1	Misbah Sultan, Atif Islam, Nafisa Gull, Haq Nawaz Bhatti and Yusra Safa	Structural variation in soft segment of waterborne polyurethane acrylate nanoemulsions	Journal of Applied Polymer Science	132	1.768			
2	Atif Islam, Tariq Yasin, Aneela Sabir, Shahzad Maqsood Khan, Misbah Sultan, Muhammad Shafiq, Asad U. Khan and Tahir Jamil.	High-temperature electrical properties of silane cross-linked chitosan/poly(vinyl alcohol) membrane: thermal, mechanical and surface characterization	e-Polymers	15	0.569			
3	Sana Sadaf, Haq Nawaz Bhatti, Muhammad Arif, Misbah Amin, Farva Nazar & Misbah Sultan	Box-Behnken design optimization for the removal of Direct Violet 51 dye from aqueous solution using lignocellulosic waste.	Desalination and Water Treatment	56	1.173			
4	Sidra Waheed, Misbah Sultan, Tahir Jamil, Tousif Hussain.	Comparative analysis of hydroxyapatite synthesized by sol-gel, ultrasonication and microwave assisted technique	Materials Today: Proceedings	2				Yes

Total No. of Research Publications			
With IF	HEC Recog.	Other	Conference Proceedings
03			01
Total		04	



○ DR. MUNAWAR ALI MUNAWAR

Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	International / Local			
					Impact Factor (IF)	HEC Recog	Other	Conference Proceedings
1	Dr. Munawar Ali Munawar & Dr. Muhammad Makshoof Athar	Microwave Assisted Gould-Jacobs Reaction for Synthesis of 3-Acetyl-4-hydroxyquinoline Derivatives	Asian Journal of Chemistry	27(8), 2823-2826	0.36	Yes		
2	Dr. Munawar Ali Munawar	Crystal Structure of 3, 4-dichloroanilinium hydrogen phthalate	Acta Crystallographica E	E71, o446	0.35			
3	Dr. Munawar Ali Munawar	Cholinesterase Inhibitory Activities of N-Phenylthiazol-2-Amine Derivatives and their Molecular Docking Studies	Medicinal Chemistry (Bentham Science)	11(5), 489-496	1.387	Yes		
4	Dr. Munawar Ali Munawar	Triarylimidazoles-synthesis of 3-(4,5-diaryl-1H-imidazol-2-yl)-2-phenyl-1H-indole derivatives as potent α -glucosidase inhibitors	Medicinal Chemistry Research	24(4), 1586-1595	1.61	Yes		
5	Dr. Munawar Ali Munawar	Potential antibacterial activity of coumarin and coumarin-3-acetic acid derivatives	Pakistan Journal of Pharmaceutical Sciences	28(3), 819-823	0.95	Yes		
6	Dr. Munawar Ali Munawar	1-{[(E)-(4-{[(2Z)-2,3-Dihydro-1,3-thiazol-2-ylidene]sulfamoyl}phenyl)iminiumyl(methyl)naphthalen-2-olate	Acta Crystallographica E	E71, o421-o422	0.35			



7	Dr. Munawar Ali Munawar	Crystal structure of 4-chloro-2-[(E)-[(3,4-dimethylphenyl)iminio]methyl]phenol	Acta Crystallographica E	E71, o416	0.35			
8	Dr. Munawar Ali Munawar	Crystal structure of (4E)-4-(8-methoxy-2H-chormen-2-yl-idene)-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one	Acta Crystallographica E	E71, o414-o415	0.35			
9	Dr. Munawar Ali Munawar	Crystal structure of (4Z)-4-[(2E)-1-hydroxy-3-(naphthalene-2-yl)prop-2-en-1-ylidene]-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one	Acta Crystallographica E	E71, o381	0.35			
10	Dr. Munawar Ali Munawar	Crystal structure of (4Z)-4-[(2E)-3-(4-chlorophenyl)-1-hydroxyprop-2-en-1-ylidene]-5-methyl-2-phenyl-1H-pyrazol-5(4H)-one	Acta Crystallographica E	E71, o393-o394	0.35			
11	Dr. Munawar Ali Munawar	Crystal structure of (4Z)-4-[(2E)-3-(2-chlorophenyl)-1-hydroxyprop-2-en-1-yl-idene]-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one	Acta Crystallographica E	E71, o407-o408	0.35			
12	Dr. Munawar Ali Munawar	Crystal structure of 3-(3,4-dimethylanilino)-2-benzofuran-1(3H)-one	Acta Crystallographica E	E71, o413	0.35			
13	Dr. Munawar Ali Munawar	Design, synthesis, and biological evaluation of a series of bifunctional ligands of opioids/SSRIs	Bioorganic & Medicinal Chemistry	23(6), 1251-1259	2.951	Yes		
14	Dr. Munawar Ali Munawar, Dr. Alvi Muhammad Rouf, Dr. Sajid Iqbal,	Structure, stability, and aromaticity of 2,4,6,1,3,5-trisilatrphosphaz	Computational and Theoretical Chemistry	1065, 18-26	1.368	Yes		



	Dr. Azeem Intisar	enzyme versus 2,4,6-trisilatriazine: A quantum chemical approach						
15	Dr. Munawar Ali Munawar	Removal of sulfide ion from water using rice husk	Journal of Sulfur Chemistry	36(2), 187-195	0.822	Yes		
16	Dr. Munawar Ali Munawar	Metals as Renewable Catalysts in MCR Synthesis of Dihydropyrimidinones	Asian Journal of Chemistry	27(2), 455-457	0.36	Yes		
17	Dr. Munawar Ali Munawar	Anti-HIV activity of new pyrazolobenzothiazine 5,5-dioxide-based acetohydrazides	Medicinal Chemistry Research	24(10), 3671-3680	1.61	Yes		
18	Dr. Munawar Ali Munawar	<u>Synthesis of novel triazoles and a tetrazole of escitalopram as cholinesterase inhibitors</u>	Bioorganic & Medicinal Chemistry	23, 6014-6024	2.951	Yes		
19	Dr. Munawar Ali Munawar	<u>Discovery of indole-based tetraarylimidazoles as potent inhibitors of urease with low antilipoxygenase activity</u>	European Journal of Medicinal Chemistry	102, 464-470	3.447	Yes		
20	Dr. Munawar Ali Munawar	Plant growth regulating activities of coumarin-3-acetic acid derivatives.	Allelopathy Journal	36(2), 225-236	0.846	Yes		
21	Dr. Munawar Ali Munawar	Synthesis of Fluoroalkoxy Substituted Arylboronic Esters by Iridium-Catalyzed Aromatic C–H Borylation.	Organic Letters	17(17), 4256-4259	6.364	Yes		



Total No. of Research Publications			
With IF	HEC Recog.	Other	Conference Proceedings
21	13	08	
Total		21	

○ **Rabia Rehman**

Sr. No.	Publication	Author	Impact factor
1.	Determination of Iodide, Iodate, Dichromate, Bismuth(III) and Hydrogen Peroxide through Spot Tests Quantification by Computational Image Scanning Densitometry, <i>Asian Journal of Chemistry</i> , 27 (1),195-198, (2015). DOI:10.14233/ajchem.2015.16855	Waheed-Uz-Zaman, Jamil Anwar, Rabia Rehman , Tunzeel Iqbal	-
2.	Microwave Chemistry: Effect of Ions on Dielectric Heating in Microwave Ovens, <i>Arabian Journal of Chemistry</i> , 8 (1), 100-104, (2015). http://dx.doi.org/10.1016/j.arabjc.2011.01.014	Jamil Anwar, Umer Shafique, Waheed-Uz-Zaman, Rabia Rehman , Muhammad Salman, Amara Dar, Jesus M. Anzano, Uzma Ashraf, Saira Ashraf	3.725
3.	Adsorptive eradication of Cadmium (II) from water in eco-friendly way using biocomposites of Polyaniline with <i>Madhuca longifolia</i> and <i>Eugenia jambolana</i> leaf powder, <i>Asian Journal of Chemistry</i> , 27 (2), 449-454, (2015). DOI:10.14233/ajchem.2015.16948	Farah Kanwal, Rabia Rehman , Sadia Rasul	-
4.	Brilliant Green dye elimination from water using <i>Psidium guajava</i> leaves and <i>Solanum tuberosum</i> peels as adsorbents in environmentally benign way, <i>Journal of Chemistry</i> , vol. 2015, Article ID 126036, 8 pages, 2015. doi:10.1155/2015/126036	Rabia Rehman , Tariq Mahmud, Maria Irum	0.361
5.	Chemistry of Ice: Migration of Ions and Gases by Directional Freezing of Water, <i>Arabian Journal of Chemistry</i> , (Accepted for publication). Reference No. ARABJC 336, DOI: 0.1016/j.arabjc.2011.02.019	Umer Shafique, Jamil Anwar, Munawar Ali Munawar, Waheed-Uz-Zaman, Rabia Rehman , Amara Dar, Muhammad Salman, Maria Saleem, Naeema Shahid, Mehwish Akram, Arooj Naseer, Nadia Jamil	3.725
6.	Removal of Alizarin Yellow and Murexide dyes from water using Formalin treated <i>Pisum sativum</i> peels, <i>Asian Journal of Chemistry</i> , 27 (5), 1593-1598, (2015). DOI:10.14233/ajchem.2015.17383	Rabia Rehman , Tariq Mahmud, Ayesha Arshad	-



7.	Comparative analysis of Cefotaxime Sodium and Cefoperazone Sodium Drugs Activity and their Phytochemical Combinations against bacteria, <i>Asian Journal of Chemistry</i> , 27 (5), 1704-1706, (2015). DOI:10.14233/ajchem.2015.17554	Shahzad Murtaza, Aadil Abbas, Rabia Rehman , Tariq Mahmud, Saima Shamim	-
8.	Comparative Sorption Studies for Amaranth Dye Removal from Water in A Cost-Effective Way using Guava Leaves and Potato Peels, <i>Asian Journal of Chemistry</i> , 27 (6), 2008-2014, (2015). DOI:10.14233/ajchem.2015.17656.	Rabia Rehman , Tariq Mahmud, Maria Irum	-
9.	Statistical analysis of macro-elements contents of <i>Vitis vinifera</i> (Raisin) samples available in Pakistan, <i>Asian Journal of Chemistry</i> , 27 (8), 2827-2829, (2015). DOI:10.14233/ajchem.2015.18096.	Tariq Mahmud, Rabia Rehman , Aqsa Shahid, Muhammad Usman Alvi	-
10.	Fluoride Contents Analysis of Tea Infusion, Mouthwash and Tooth Paste Samples of Pakistan via Ion Selective Electrode Methodology, <i>Asian Journal of Chemistry</i> , 27 (8), 2847-2850, (2015). DOI:10.14233/ajchem.2015.18243.	Rabia Rehman , Maria Khalid	-
11.	Batch Scale Removal of an organic pollutant Amaranth Dye from aqueous solution Using <i>Pisum sativum</i> peels and <i>Arachis hypogaea</i> shells as adsorbents, <i>Journal of The Chemical Society of Pakistan</i> , 37 (5), 930-938, (2015).	Rabia Rehman , Ayesha Afzal	0.345

Books:

“Advanced Inorganic Chemistry”, for B.S & M.Sc Students, published by Carvan Book House Lahore. (Co-author Haq Nawaz Bhatti).

1st edition: 2014

2nd edition: 2015

✍ **“Experimental Inorganic Chemistry”**, for M.Sc & B.S & Students, published by Carvan Book House Lahore in 2015. (Co-author Haq Nawaz Bhatti).

○ **DR. MUHAMMAD SALMAN**

Sr. No.	Authors, Title of Paper	Impact
2015		
1.	M. Salman , M. Athar, U. Farooq, Biosorption of heavy metals from aqueous solutions using indigenous and modified lignocellulosic materials – a review, <i>Reviews in Environmental Science and Bio/Technology</i> , 2015 , 14(2), 211-228	3.333



2.	J. Anwar, U. Shafique, Waheed-uz-Zaman, R. Rehman, M. Salman , A. Dar, J. M. Anzano, U. Ashraf, S. Ashraf, Microwave Chemistry: Effect of Ions on Dielectric Heating in Microwave Ovens <i>Arabian Journal of Chemistry</i> , 2015, 8(1), 100-104.	3.725
3.	F. Farooq, U. Farooq, M. Batool, M. Athar, M. Salman , Q. Ahmed, A. Ashraf, Use of wheat straw for effective binding of metal ions via a novel modification <i>Korean Journal of Chemical Engineering</i> , 2015, 32(9), 1818-1826	1.166
4.	M. Rafique, U. Farooq, M. Athar, M. Salman , M. Aslam, H. M. H. Raza, <i>Gardenia jasmenoides</i> : An ornamental plant for biosorption of lead and cadmium ions, <i>Desalination and Water Treatment</i> , 2015 Date of Acceptance: 20-03-2015	1.173
5.	M. H. Raza, A. Sadiq, U. Farooq, M. Athar, T. Hussain, A. Mujahid, M. Salman , <i>Phragmites karka</i> as a biosorbent for the removal of mercury metal ions from aqueous solution: Effect of modification, <i>Journal of Chemistry</i> , 2015, Volume 2015, Article ID 293054, 12 pages http://dx.doi.org/10.1155/2015/293054	0.361

○ **DR. TAJAMAL HUSSAIN**

- **Tajamal Hussain**, Asma Tufail Shah, Khurram Shehzad, Adnan Mujahid, Zahoor Hussain Farooqi, Muhammad Hamid Raza "Formation of Self Ordered Porous anodized Alumina Template for growing Tungsten Trioxide Nanowires" *International Nano Letters* 5 1 37-41 2015
- Adnan Mujahid, Aimen Khan, Adeel Afzal, **Tajamal Hussain**, Hafiz Muhammad Hamid Raza, Asma Tufail Shah, Waheed uz Zaman "Molecularly Imprinted Titania Nanoparticles for Selective Recognition and Assay of Uric Acid" *Applied Nanoscience* 5 5 527-534 2015
- Muhammad Hamid Raza, Aqsa Sadiq, Umar Farooq, Makshoof Athar, **Tajamal Hussain**, Adnan Mujahid, Muhammad Salman "[Phragmites karka as a Biosorbent for the Removal of Mercury Metal Ions from Aqueous Solution: Effect of Modification](http://dx.doi.org/10.1155/2015/293054)" *Journal of Chemistry* 2015, Article ID 293054 2015
- Zahoor Hussain Farooqi Shanza Rauf Khan, Robina Begum, Tajamal Hussain, Nayab Batool" Effect of Crosslinking Density of Poly (N-isopropylacrylamide-co-acrylic acid) Microgels on Catalytic Reduction of Nitrobenzene" *Walailak Journal of Science and Technology* 12 12 1147-56 2015
- Isma Haq, Adnan Mujahid, Adeel Afzal, Naseer Iqbal, Sadia Bajwa, **Tajamal Hussain**, Khurram Shehzad, "Developing imprinted polymer nanoparticles for the selective separation of antidiabetic drugs" *Journal of Separation Science* 38 19 3469-3476, 2015
- **Tajamal Hussain**, Mira Tul Zubaida Butt, Mirza Nadeem Ahmed, Muhammad Hamid Raza, Zahoor Hussain Farooqi, Khurram Shehzad, Adnan Mujahid, Rabia Batool,



"Fabrication of Ag and Ni Nanocatalyst with Enhanced Efficiency" *Journal of Chemistry* 2015, Article ID 601484 **2015**

- Adnan mujahid, Amna Najeeb, Aimen Idrees Khan, Tajamal Hussain, Muhammad Hamid Raza, Asma Tufail Shah, Naseer Iqbal, Mirza Nadeem Ahmad "Tailoring Imprinted Titania Nanoparticles for Purines Recognition" *Journal of Materials* 2015, Article ID 903543 **2015**
- Mirza Nadeem Ahmed, Khalid Mahmood Zia, Sohail Nadeem, Muhammad Naveed Anjum, Tahir Farooq, Khurram Shehzad, Adnan Mujahid, **Tajamal Hussain**, Muhammad Zuber, Yang Wantai "Surface Reforming of Diamond Particles by the Dispersion Enhancement in Common Liquids" *Arabian Journal for Science and Engineering* 41 1 97-103 **2016**.

○ **PROF. DR. TARIQ MAHMUD**

Sr. No	Research Paper	Name of Journal	Publication Year	I.F.
Publications in International / HEC Recognized Journals				
1.	Stability-indicating High-performance liquid chromatography method for simultaneous determination of aminophylline and chlorpheniramine maleate in pharmaceutical formulations, <i>Indian Journal of Pharmaceutical Sciences</i> , 77(5), 515-521 (2015).	Indian Journal of Pharmaceutical Sciences	2015	0.479
2.	Statistical analysis of macro-elements contents of <i>Vitis vinifera</i> (Raisin) samples available in Pakistan, <i>Asian Journal of Chemistry</i> , 27(8), 2827-2829, (2015).	Asian Journal of Chemistry	2015	0.355
3.	Comparative sorption studies for Amaranth dye removal from water in Cost –Effective way using Guava leaves and Potato peels. <i>Asian Journal of Chemistry</i> , , 27(6), 2008-2014 (2015).	Asian Journal of Chemistry	2015	0.355
4.	Comparative analysis of Cefotaxime Sodium and Cefoperazone Sodium Drugs Activity and their Phytochemical Combinations against bacteria. <i>Asian Journal of Chemistry</i> , 27(5), 1704-1706 (2015).	Asian Journal of Chemistry	2015	0.355
5.	Removal of Alizarin Yellow and Murexide dyes from water using Formalin treated <i>Pisum sativum</i> peels. <i>Asian Journal of Chemistry</i> , 27(5), 1593-1598 (2015).	Asian Journal of Chemistry	2015	0.355



6.	Brilliant Green dye elimination from water using <i>Psidium gua javal</i> leaves and <i>Solanumtuberosum</i> peels as adsorbents in environmentally benign way. <i>Journal of Chemistry</i> , Volume 2015 (2015), Article ID 126036, 8 pages.	Journal of Chemistry	2015	0.566
----	---	----------------------	------	-------

Book Chapter

1. **Zahoor H. Farooqi** and Mohammad Siddiq "Microgels: Smart Polymer and Hybrid" in *Encyclopedia of Biomedical Polymers and Polymer Biomaterials*, 1st Ed.; Mishra, M., Ed.; Taylor & Francis: New York, 2015, 7, 4701-4715.

Journal Articles

Articles published in 2015

1. **Zahoor H. Farooqi**, Khalida Naseem, Robina Begum and Aysha Ijaz "Catalytic reduction of 2-nitroaniline in aqueous medium using silver nanoparticles functionalized polymer microgels" *Journal of Inorganic and Organometallic Polymers and Materials* **2015**, 25(6), 1554-1568. (IF=1.16)
2. **Zahoor H. Farooqi**, Shanza Rauf Khan, Robina Begum, Farah Kanwal, Ahasan Sharif Ejaz Ahmed, Shumaila Majeed, Kiran Ijaz and Aysha Ijaz "Effect of acrylic acid feed contents of microgels on catalytic activity of silver nanoparticles fabricated hybrid microgels" *Turkish Journal of Chemistry* **2015**, 39(1), 96-107. (IF=1.117)
3. **Zahoor H. Farooqi** and Mohammad Siddiq "Temperature responsive poly(N-isopropylacrylamide-acrylamide-phenylboronic acid) microgels for stabilization of silver nanoparticles" *Journal of Dispersion Science and Technology* **2015**, 36(3), 423-429. (IF=0.795)
4. **Zahoor H. Farooqi**, Zonarah Butt, Robina Begum, Shanza Rauf Khan, Ahsan Sharif and Ejaz Ahmed "Poly(N-isopropylacrylamide-co-methacrylic acid) microgel stabilized copper nanoparticles for catalytic reduction of nitrobenzene" *Materials Science - Poland* **2015**, 33(3), 627-634. (IF=0.507)
5. **Zahoor H. Farooqi**, Naghza Tariq, Robina Begum, Shanza Rauf Khan, Zafar Iqbal, Abbas Khan "Fabrication of silver nanoparticles in poly (N-isopropylacrylamide-co-allylacetic acid) microgels for catalytic reduction of nitroarenes" *Turkish Journal of Chemistry* **2015**, 39(3), 576-588. (IF=1.117)
6. **Zahoor H. Farooqi**, Shanza Rauf Khan, Robina Begum, Tajamal Hussain, Nayab Batool "Effect of crosslinking density of poly(N-isopropylacrylamide-co-acrylic acid) microgels on catalytic reduction of nitrobenzene" *Walailak Journal of Science and Technology* **2015**, 12(12), 1147-1156.
7. Tajamal Hussain, Asma Tufail Shah, Khurram Shehzad, Adnan Mujahid, **Zahoor Hussain Farooqi**, Muhammad Hamid Raza, Mirza Nadeem Ahmed, and Zaib Un Nisa. "Formation of self-ordered porous anodized alumina template for growing tungsten trioxide nanowires." *International Nano Letters* **2015**, 5(1), 37-41.



8. **Zahoor H. Farooqi**, Tanzila Sakhawat, Shanza Rauf Khan, Farah Kanwal, Robina Begum, Muhammad Usman "Synthesis, characterization and fabrication of copper nanoparticles in N-isopropylacrylamide based co-polymer microgels for degradation of p-nitrophenol" *Materials Science – Poland* **2015**, 33(1), 185-192. **(0.507)**
9. Abbas Khan, Muhammad Asim, Amir Zada, Khair Zaman, Muhammad Usman, **Zahoor Hussain Farooqi**, and Abdur Rauf. "The Interactions of Co-Solvent, Co-Solute and an Amphiphilic Anionic Dye with the Aqueous Solutions of Sodium Dodecyl Sulfate" *Walailak Journal of Science and Technology* **2015**, 12(12), 1107-1119.

○ **MADEEHA BATOOL**

- **F. Farooq, U. Farooq, M. Batool, M. Athar, M. Salman, Q. Ahmed, A. Ashraf**, "Use of wheat straw for effective binding of metal ions via a novel modification". *Korean Journal of Chemical Engineering*, 2015, DOI: 10.1007/s11814-014-0382-y,. **Impact Factor: 1.241**
- S. R. Gilani, **M. Batool**, S. R. A. Zaidi, Z. Mahmood, A. A. Bhatti and A. I. Durrani, "Central nervous system (CNS) toxicity caused by metal poisoning: Brain as a target organ" *Pak. J. Pharm. Sci.*, 2015, 28, 1417-1423. 2015 **Impact Factor: 0.682**
- Asma Tufail, **Madeeha Batool**, Muhammad Imran Din and Bao-shan Li, "Catalytic Pyrolysis of Low Density Polyethylene using cetyltrimethyl ammonium encapsulated monovacant Keggin units (C₁₉H₄₂N)₄H₃(PW₁₁O₃₉) and ZSM-5" *Journal of Chemistry*, 2015 **Accepted**

○ **NAZISH SALEEM**

Sr. No.	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal
1	Nazish Saleem, Nayab Batool Rizvi, Shan Elahi, Zulkurnain Syed	Reluctance in use of iodized salt for elimination of iodine deficiency	Indian Journal of Endocrinology and Metabolism

INSTITUTE OF GEOLOGY

An Overview

The Institute of Geology, University of the Punjab is oldest seat of learning in the discipline of Geology, and is providing trained indigenous workforce equipped with strong academic background in natural resources to the industry. Over the years, the Institute of Geology has evolved to hold a unique position in the country in geologic education. Bachelor of Science degree being offered at the Institute of Geology is a blend of theory, observation, laboratory studies and basic sciences, with special emphasis on fieldwork. While, M.Phil. in Applied Geology is a professional career oriented program, having diversified fields of specialization



addressing major areas of geoscience, enabling the students to take up specialized professional career as geologists in industry and to be prepared to step forward to higher education in a specific field of geology.

Institute of Geology has produced 34 graduates of B.S. Applied Geology, 07 M.Phil. Applied Geology degree programs and 01 PhD in the discipline of Geology during the academic year 2014-2015. Moreover, Institute of Geology has upgraded physical infrastructure and constructed a Seminar Hall, upgraded the Geological Museum and its laboratory set up.

2.2 Projects

2.2.1 Completed

During the report period (2014-2015) 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.	Application of Physio-Chemical Techniques in Combination with Advanced Oxidation Process to Treat the Slaughter House Wastewater.	Prof. Dr. Nasir Ahmad	250,000/-	University of the Punjab, Lahore	01 year
2.	Biostratigraphy of the Lower Eocene Margala Hill Limestone of Kaalachitta area, Northern Pakistan.	Dr. Shahid Jamil Sameeni	200,000/-	-do-	-do-
3.	Sedimentology of the Middle Jurassic Samana Suk Formation, Nammal Gorge Section, Western Salt Range-Pakistan	Dr. Abdur Rauf Nizami	150,000/-	-do-	-do-
4.	Potential of Gas Hydrates in Pakistan their Seismic Characterization.	Mr. Zia ud Din	150,000/-	-do-	-do-
5.	Sedimentology of the Early Permian Dandot Formation, Central Salt Range, Pakistan	Dr. Shahid Ghazi	150,000/-	-do-	-do-
6.	Application of Geospatial Techniques for the Qualitative Analysis of Groundwater of Kasur City, Punjab	Dr. Sajid Rashid Ahmad	150,000/-	-do-	-do-
7.	Geotechnical Evaluation of Landslides and inventory of Remedial Works along Islamabad-Murree Expressway, Pakistan.	Dr. Mian Sohail Akram	150,000/-	-do-	-do-



8.	Development of Shale Gas Potential in Lower Cretaceous Sembar and Goru Formation in the Middle Indus Basin, Pakistan – Applying Rock Physics Modeling.	Dr. Pervez Khalid	150,000/-	-do-	-do-
9.	Sedimentology and Biostratigraphy of the Margalla Hill Limestone, Margalla Hills, Northern Pakistan.	Dr. Kamran Mirza	150,000/-	-do-	-do-
10.	Biostratigraphy of the Paleocene Patala Formation of Jabri Area, Northern Pakistan	Mr. Adnan Abdul Karim	125,000/-	-do-	-do-
11.	Physico-Chemical Studies of Groundwater in Sialkot city, Pakistan	Mr. Muhammad Sanaullah	125,000/-	-do-	-do-
12.	Identification and Evaluation of Stream Sediments for Construction Materials of Central Salt Range.	Rana Ammad Bin Sadiq	125,000/-	-do-	-do-
13.	Landslide Susceptibility and Hazard Zonation Mapping of Muree-Muzaffarabad Road, Pakistan	Mr. Salman Farooq	125,000/-	-do-	-do-

2.2.2 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.	Geospatial and Multi-Criteria Approaches for the Determination of Urban Parks in Sheikhpura City.	Prof. Dr. Sajid Rashid Ahmad	0.250	University of the Punjab, Lahore	01 year
2.	Sedimentary Geology of the Early Permian Tobra Formation, Central Salt Range, Pakistan	Prof. Dr. Shahid Ghazi	0.250	-do-	-do-
3.	Biostratigraphy of the Eocene Kuldana Formation of Potowar Area, Northern Pakistan	Dr. Shahid Jamil Sameeni	0.200	-do-	-do-



Sr. No.	Projects Title	Investigator	Amount (Rs. million)	Sponsoring Agency	Duration (year)
4.	Sedimentology of Lockhart Formation, Hazara-Kashmir Basin, NW Himalaya Pakistan	Dr. Naveed Ahsan	0.200	-do-	-do-
5.	Sedimentology and Biostratigraphy of the Margalla Hill Limestone, Margalla Hills, Northern Pakistan	Dr. Kamran Mirza	0.150	-do-	-do-
6.	Petrological Implications of Xenoliths in Mansehra Granite, Less.	Dr. Mustansar Naeem	0.150	-do-	-do-
7.	Rock Physics and Seismic attribute for Assessment of Shale Gase	Dr. Pervez Khalid	0.150	-do-	-do-
8.	Hydrogeological and Geophysical Investigation to Characterize Groundwater Potential in Alluvial aquifer of Fateh Jang, Potwar Plateau, Pakistan	Mr. Zia ud Din	0.150	-do-	-do-
9.	Stability Assessment of Dewal Landslide along Murree-Muzaffarabad Road, Pakistan	Dr. Sohail Akram	0.150	-do-	-do-
10.	Sedimentology of the Datta Formation with Special Emphasis on Jurassic From Salt Range, Pakistan	Mr. Shahid Ali	0.125	-do-	-do-
11.	Biostratigraphy of the Paleocene Patala Formation of Jabri Area, Hazara, Northern Pakistan.	Mr. Adnan Abdul Karim	0.125	-do-	-do-
12.	Chemical Framework of Sakesar Limestone, Central Salt Range, Pakistan	Ms. Mehwish Akram	0.125	-do-	-do-
13.	Landslide Susceptibility and Hazard Zonation Mapping of Kohala-Muzaffarabad Road, Pakistan.	Mr. Salman Farooq	0.125	-do-	-do-



Sr. No.	Projects Title	Investigator	Amount (Rs. million)	Sponsoring Agency	Duration (year)
14.	Evaluation of Jhelum River Aggregate as a Suitable Construction Material for Normal Weight concrete.	Mr. Muhammad Sanaullah	0.125	-do-	-do-

2.3 Publications

• Books/Edited Nil

Following research papers have been published by the faculty members during the report period.

Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
1.	Ahmad, N. Mashiatullah, A., Chaudhary, M.Z., Ahmad, N., Javed, T. and Ghaffar, A.	2015	Geochemical assessment of metal pollution and ecotoxicology in sediment cores along Karachi Coast, Pakistan	Environ Monitoring and Assessment	1.679	187	249-
2.	Sameeni, S.J. , Mahmood, Z	2015	Coal Potential of Patala Formation, Dandly area Kotli Pakistan	Nepal Journal of Geology	Nil	48	
3.	Ahsan, N. Jamil, N., Baqar, M., Shaikh, I.A., Javaid, I., Shahid, A. Khalid, R., Qadir, A. and Arslan, M.	2015	Assessment of Mercury Contamination in Water and Soil Surrounding a Chlor-Alkali Plant: A Case Study	Journal of the Chemical Society of Pakistan	0.345	37 (01)	173-178



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
4.	Ahsan, N. Waqar, M.	2015	An Integrated Approach for Catchment Parameterization through Geospatial Analysis: A case study of Kurang River Basin, Pakistan	Science International	HEC Z-Cat.	27(02)	1309-1314
5.	Khalid, P. Bajwa, A.A., Naeem, M. and Din. Z.U.	2015	Seismicity distribution and focal mechanism solution of major Earthquakes of Northern Pakistan.	Acta Geodetical et Geophysica	0.54	Online in July 2015	1-11
6.	Khalid, P., Ahmed, N. and Ghazi, S.	2015	On the variation of b-value for Karachi region, Pakistan through Gumbel-s Extreme Distribution Method	Acta Geodaetica et Geophysica	0.54	Doi:10.1007/s40328-0156-0122-8	
7.	Khalid, P. Ghazi, S., Aziz T., Sajid, Z., and Hanif, T.	2015	Petrophysical analysis of a clastic reservoir rock: A Case Study of the Early Cambrian Khewra Sandstone, Potwar Basin, Pakistan	Geosciences Journal	0.917	Doi:10.1007/s12303-015-0021-6	
8.	Ehsan, M.I. Ahmed, N, Khalid, P. , Wei, L.X., and Naeem, M.	2015	An Application of Rock Physics Modeling to quantify the seismic Response of Gas Hydrates-Bearing Sediments in Makran Accretionary Prism, Offshore, Pakistan.	Geosciences Journal	0.917	Doi:10.1007/s12303-015-0044-z	
9.	Nisar, A., Khalid, P. Ghazi, S. and Anwar A.W.	2015	AVO Forward Modeling and Attributes Analysis for Fluid's Identification: A Case Study.	Acta Geodetical et Geophysica	0.54	50 (4)	377-390



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
10.	Nisar, A., Khalid, P. and Anwar, A.W.	2015	Rock Physics Modeling to Assess the Impact of Spatial distribution Pattern of Pore Fluid and Clay Contents on Acoustic Signatures of Partially-Saturated Reservoirs.	Acta Geodetical et Geophysica	0.54	Doi:10.1007/S40328-015-0101-0	
11.	Naeem, M., Khalid, P. and Anwar. A.W.	2015	Construction material prospects of granitic and associated rocks of Mansehra area, NW Himalaya, Pakistan	Acta Geodetical et Geophysica	0.54	50(3)	307-319
12.	Khalid, P.	2015	Thermoelastic relaxation and its effects on the compressibility of pore fluids and P wave velocities.	Arabian Journal of Geosciences	1.224	8(8)	6157-6167
13.	Khalid, P., Ahmed, N. Naeem, M. and Khan, K.A.	2015	AVO-derived attributes to differentiate reservoir facies from non-reservoirs facies and fluid discrimination in Penobscot area, Nova Scotia	Geosciences Journal	0.917	19(3)	471-480
14.	Khalid, P., Ahmed, N., Mahmood, A. Saleem, A. and Hassan	2015	An Integrated Seismic Interpretation and Rock Physics	Arabian Journal of Science and Engineering	0.367	41(1)	191-200
15.	Khalid, P., Ullah, W., Anwar, A.W., Majeed, A., Sharif, A. Sharif, R., Mustafa, G, and Khan, A.	2015	Cost Effect and Facile Development of Fe ₃ O ₄ -reduced grapheme oxide electrodes for super capacitors.	Materials Technology Advanced Functional Materials	0.746	Doi:1.1179/17535557A15Y.00000016	



Sr. No.	Authors	Year	Title of Paper	Name of Publishing Journal	Impact Factor	Vol. / No.	Page
16.	Khalid, P. Yasin, Q., Sohail, GMD and Kashif, J.M.	2015	Integrating core data and wireline log data for data formation of Injra-1 and Nuryal-2 wells, Western Potwar, Pakistan	Journal of Geological Society of India	0.596	Doi: 10.1007/s12594-015-0346-9	
17.	Khalid, P, Mahmood, A., Saleem M.A. and Hassan	2015	An Integrated Seismic Interpretation and Rock Physics Attributes Analysis for Pore Fluid Discrimination.	Arabian Journal of Science and Engineering	1.224	Doi: 10.1007/s13369-015-1732-8	
18.	Sanaullah, M. Mehmood, Q. Ahmad, S.R. and Rehman, H.U.	2015	Arsenic contamination Trends of Abandoned River Banks: A Case Study at the Left Bank of River Ravi, Lahore	International Journal of Economic Environment and Geology	HEC Recog. X-Cat	6(01)	21-24
19.	Ahsan, N.	2015	MgO Nanoparticles for the removal of Reactive dyes from Wastewater	In Proceedings of the TechConnect World Innovation Conference held from June 14-15, 2015 at Washington D.C., USA			
20.	Ahsan, N.	2015	Kawagarh Formation- A Homoclinal Ramp Deposit in Hazara Basin on Northern Margin of the Indian Plate, Pakistan	In Proceedings of the 15th Bathurst meeting of Carbonate Sedimentologists, held from July 13-16, 2015 at the University of Edinburgh, Scotland, U.K			
21.	Ghazi, S., Ali, S., Hanif, T., Sajid, Z.Jafrian, A.	2015	Fluvial Sedimentary Architecture at the Middle-Late Miocene Kamlial Formation, Salt Range, Pakistan	2nd International Applied Geological Congress, Iran			

2.3 Conferences, Seminars and Workshops, etc.

Organized:

Institute of Geology has organized following seminars and workshops during the academic year 2014-2015



- 05 Day National Training Workshop On “Toposheet: a Base Map Fundamentals, Indexing System, Georeferencing and GIS Implications” from March 2-6, 2015.
- 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.
- A Technical Talk on “Hydro-Power in Pakistan” held on October 30, 2014.

Participated:

- Dr. Naveed Ahsan, participated and presented paper in the TechConnect World Innovation Conference held from June 14-15, 2015 at Washington D.C., USA
- Dr. Naveed Ahsan, participated and presented research paper in the 15th Bathurst meeting of Carbonate Sedimentologists, held from July 13-16, 2015 at the University of Edinburgh, Scotland, U.K.
- Mr. Muhammad Sanaullah, participated and presented paper in the Wageningen Soil Congress, at the Wageningen University Campus, Netherlands from August 23-27, 2015.
- Dr. Shahid Ghazi and Dr. Pervez Khalid participated in the “Annual Technical Conference on ***“Energy Challenges of Pakistan and E&P Strategies”*** organized by Pakistan Association of Petroleum Geoscientists (PAPG) and the Society of Petroleum Engineers (SPE-Pakistan) at Islamabad from November 25-26, 2014.
- Dr. Pervez Khalid participated and presented paper in the Student Education Program (SEP) and 6th the International Geosciences Students Conference (IGSC) in Prague, organized by the Society of Exploration Geophysicists (SEG) and ExxonMobil in Prague, Czech Republic, schedule to be held from July 10-16, 2015.

2.5 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.

2.6 Research Collaboration

2.6.1 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

2.6.2 Foreign Linkages

- Linkages with Seismic Micro Technology Inc. Katy Freeway, Houston Texas, USA.



- Hydrological Institute, Sweden
- M/S Thies, Germany

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

○ **Research and Development 2014-15 An Overview (5 – 10 lines)**

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) Parallel and Distributed Computing
- 3) Open Source Software Development
- 4) Artificial Intelligence and Multidisciplinary Research Lab
- 5) Cloud Computing
- 6) Information systems lab
- 7) High Performance Computing

The above mentioned labs are being used for conducting research, by the graduate students.

○ **Research Journals**

Sr. No.	Name of Author	Title of Paper/Article
1	Dhanapal Durai Dominic, Abid Sohail, Khurram Shahzad.	<i>Business Process Analysis: A Process Warehouse based Resource Preference Evaluation Method.</i> International Journal of Business Information Systems (IJBIS)
2	R. Vanwersch, K. Shahzad, I. Vanderfeesten, K. Vanhaecht, P. Grefen, L. Pintelon, J. Mendling, F. Merode, and H. Reijers.	<i>A critical review and framework of business process improvement methods.</i> Business & Information Systems Engineering (BISE)
3	Q. Hamid, M.H. Chauhdry, S. Mahmood, M.S. Farid,	<i>"Arc GIS and 3D Visualization of Land Records,"</i> National Academy Science Letters, 2015
4	Aslam, L., Sarwar, S., Yousaf, M. M., and Qounain, W. U	<i>"Cycle Discrepancy of d-Colorable Graphs",</i> Pakistan Journal of Electrical and Applied Sciences, 2015. <u>Accepted for publication</u>
5	Muddassira Arshad and Aasim Ali,	<i>"Urdu Treebank".</i> Science International, Lahore Pakistan, ISSN: 1013-5316
6	Aasim Ali, Amina Deen, and M. Kamran Malik,	<i>"Development of Textual Inventory to Solve the Problems Faced by Blind Persons regarding Diagrams when using Screen Reader Software".</i> Science International, Lahore Pakistan, ISSN: 1013-5316



7	Aasim Ali and M. Aasim Qureshi.	<i>Using Morpho-Syntactic Tagging in English-to-Urdu Statistical Machine Translation</i> . Science International, Vol. 27, No. 5, Lahore Pakistan, ISSN: 1013-5316, (2015).
8	J. Iqbal, I. Ahmad,	Optimal Online k-min search. EURO Journal on Computational Optimization, May 2015, Volume 3, Issue 2: 147-160.
9	Mubasher, M. M., Jaffry, S.W.	<i>"Incorporation of the Driver's Personality Profile in an Agent Model"</i> . In: PROMET – Traffic & Transportation, (PTT), Vol. 27, No. 6, pp. 505-514, (2015).
10	Asif, Tahira, Aasim Ali, and Kamran Malik.	<i>"Developing a POS Tagged Resource of Urdu"</i> . Science International, 27(5), pp. 4479-4483, (2015).
11	Malik, Muhammad Kamran, and Syed Mansoor Sarwar.	<i>"Urdu Named Entity Recognition and Classification System Using Conditional Random Field"</i> . Science International, 27(5), pp. 4473-4478, (2015).
12	Malik, Muhammad Kamran, Aasim Ali, and Khawar Mahmood.	<i>"Building Named Entity Recognition and Classification System for Resource Poor Languages Using Parallel corpus: English-Urdu as Case Study"</i> . Science International, 27(5), pp. 4531-4534, (2015).
13	Zobia Suhail, Mansoor Sarwar, Kashif Murtaza,	<i>"Automatic Detection of Abnormalities in Mammograms"</i> , BMC Medical Imaging 2015, 15:53. (2015). DIO: 10.1186/s12880-015-0094-8
14	M.S. Farid, M. Lucenteforte, M. Grangetto	<i>"Panorama View With Spatiotemporal Occlusion Compensation for 3D Video Coding," IEEE Transactions on Image Processing</i> , vol.24, no.1, pp.205-219, Jan. 2015
15	Waheed Iqbal, Matthew Dailey, David Carrera	<i>Unsupervised Learning of Dynamic Resource Provisioning Policies for Cloud-hosted Multi-tier Web Application</i> . IEEE Systems Journal, 2015. DOI: 10.1109/JSYST.2015.2424998.
16	Muhammad Arif Butt and Muhammad Akram	<i>"A novel fuzzy decision-making system for CPU scheduling algorithm"</i> , Neural Computing and Applications, July 2015. DOI: 10.1007/s00521-015-1987-8
17	Sarfraz, M., Hussain, M.Z. and Hussain, F	<i>Shape preserving curves using quadratic trigonometric splines</i> , Applied Mathematics and Computation, 265, (2015), 1126-1144.
18	G. Ashiotis, A. Deschildre, Z. Nawaz,, J.P. Wright, D. Karkoulis, F.E. Picca, & J. Kieffer,	<i>The Fast Azimuthal Integration Python library</i> , (2015). J. Appl. Cryst. 48, 510-519.
19	Kamran Malik and Syed Mansoor Sarwar	<i>"Urdu Named Entity Recognition and Classification System using Condition Random Variables"</i> , Science International, Vol. 27, No. 5 (2015), pp. 4473-4477



20	Ather Ashraf, Muhammad Imran, Atiq-ur-Rehman	<i>"Mapping Soil Electric Conductivity using Bayesian Kriging -- A case study from Qasur, Pakistan"</i> , Journal of Geological Society, Springer, 2015
21	Zia Ul Islam, Sajid Rashid Ahmad, Khurram Chohan, Ather Ashraf	<i>"GIS Enabled Condition Based Asset Management of Gas Distribution Network: A Case Study of Shahdara, Lahore, Pakistan"</i> , Journal of Geographic Information System, 2015
22	Ather Ashraf, Muhammad Imran, Anam Shahbaz	<i>"Protecting agricultural land in developing countries --- A case study from Lahore, Pakistan"</i> , International Journal of Advance Remote Sensing, 2015
23	Muhammad Akram, Noura Alshehri, Bijan Davvaz, and Ather Ashraf	<i>"Bipolar Fuzzy Digraph in Decision Support System"</i> , Journal of Multi-Valued Logic & Soft Computing, 2015
24	Ali, S., and Willig, A	<i>"Improving passive discovery for IEEE 802.15.4-based mobile body sensor networks"</i> , Australian Journal of Electrical and Electronics Engineering, 2015, pp. 1-12.

CENTRE FOR GEOGRAPHICAL INFORMATION SYSTEM (GIS)

- Research Journals 2014-15 (**Authors name, Article name, Journal with date**)

Sr. No.	Title	Authors & Co-Authors	Name of Research Journal	Year	National	International	HEC Recognized	Impact Factor
1.	Use of statistical and GIS techniques to assess and predict concentrations of heavy metals in soils of Lahore City, Pakistan	Ahmad, S.R. , Alam, N., Qadir, A., Ashraf, M.I., Lakhan, C., and Lakhan, V.C.	<i>Environmental Monitoring and Assessment</i>	2015		International		1.6
2.	GIS Enabled Condition Based Asset Management of Gas Distribution Network: A case Study of Shahdara, Lahore Pakistan	Ahmad, S.R. , Islam, Z.U., Chohan, K. and Ashraf, A.	Journal of Geographical Information System	2015		International		1.02
3.	A Study of Polio Disease in Pakistan using GIS approach	Ahmad, S.R. , Ahmad, U. and Luqman, M.	International Journal of Scientific & Technology Research	2015		International		3.2
4.	Estimation of Solar Energy Potential from Rooftop of Punjab Government Servants Cooperative Housing Society Lahore Using GIS,	Ahmad, S.R. , Luqman, M., Khan, S., Ahmad, U., Raza, A. and Akmal, F.	Smart Grid and Renewable Energy	2015		International		1.24
5.	Creation, Maintenance and Comparison of Multipurpose Candastre in	Ahmad, S.R. and Mahmood,	International Journal of Scientific &	2015		International		3.2



Sr. No.	Title	Authors & Co-Authors	Name of Research Journal	Year	National	International	HEC Recognized	Impact Factor
	Pakistan and Saudi Arabia	K.	Engineering Research					
6.	GIS based Landfill Site Selection for Faisalabad City,	Ahmad, S.R. and Mahmood, K.	International Journal of Scientific & Engineering Research	2015		International		3.2
7.	Geospatial Management of the Solid Waste System (A Case Study of Rawalpindi City),	Ahmad, S.R. and Khushi, S	International of Scientific and Technological Research	2015		International		3.2
8.	Use of Aerial and Space Borne Data as the Paradigm shift of Orthodox forest Monitoring Techniques-60 year Forest Change Trend Analysis	Saeed, U., Ahmad, S.R. Shahzad, N., Irteza, S.M. Chaudhry, A.A. and Ashraf, I.	Biologia (Pakistan)	2015	National		HEC Recog. Z-Cat.	

SCHOOL OF BIOLOGICAL SCIENCES

○ **Research & Development 2014-15:**

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 (duration, sponsoring agency, funding)**

(ii) Newly launched

S.N.	Name of Researcher/ Sponsoring Agency	Title of research project with duration	Financial support	Main goals
1.	Dr. SadafNaz Higher Education Commission	Genetic studies of neurological movement disorders and related syndromes".	Rs. 3,165,202	
2.	Dr. SadafNaz	Genetics of dwarfism and skeletal dysplasia"	US\$21,000	



3.	Dr. Sadaf Naz	Molecular characterization of complex movement disorders with predominant dystonic features in consanguineous families"	€152,240	
----	---------------	---	----------	--

Publications: Books/Edited

- N. Azim, E. Deery, M.J., Warren, B.A.A., Wolfenden, P. Erskine, J.B. Cooper, A. Coker, S.P. Wood and M. Akhtar. 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. Acta. Cryst. 2014: D70: Pages 744-751.
- Fatima Ahsan, Amina Arif, Nasir Mahmood, Qurra-tul-Ain Afza Gardner, Naeem Rashid, M. Akhtar. Characterization and bioassay of post-translationally modified interferon α -2b expressed in *Escherichia coli*. Journal of Biotech. 2014, 184: 11-16.
- Ghazala Gharib, Naeem Rashid, Qamar Bashir, Qurra-tul-Ain Afza Gardner, M. Akhtar, Tadayuki Imanaka. Pcal_1699, an extremely thermostable malate dehydrogenase from hyperthermophilic archaeon *Pyrobaculum calidifontis*. Springer Japan 2015, DOI 10.1007/s00792-015-0797-3.
- Zain, H., Ahmad, M., Gardner, Q.A. and M. Akhtar. Hierarchy of N-acylation sites in human insulin studied by RP-HPLC and mass spectrometry. JCSP. 2015.
- Arif, A., Gardner, Q.A., Rashid, N, M. Akhtar. Production of human interferon α -2b in *Escherichia coli* and removal of N-terminal methionine utilizing archaeal methionine aminopeptidase. Biologia. 2015 70: 982-987.
- Hameed, U., Y.B. and Iqbal, J. 2015. Genetic analysis of resistant gene analogues from a sugarcane cultivar resistant to red rot disease. Journal of Phytopathology doi: 10.1111/JPh, 12372.
- Md. Shah Kamal Khan, Saeed M. & Iqbal J. 2015. Identification of quantitative trait loci for Na^+ , K^+ and Ca^{++} accumulation traits in rice grown under saline conditions using F2 mapping population. Braz. J. of Bot. ISSN 0100404 DOI 10.1007/s40415-015-0160-z or 38 No. (3) 555-565.
- QAZI, W.M., IQBAL, Z., KHAN, M.S., REHAN, M., MUNIR, J., SHAKOORI, A.R., AND NASIRUDDIN, 2014. GEARS: A genetic algorithm based machine learning technique to develop prediction models. *Pakistan J. Zool.* 46: 409-416.
- AHMAD, A., SHAH, A., AND SHAKOORI, A.R. 2014. Anti-proliferative effect of arsenic, cadmium and lead on human placental chorion cells. *Pakistan J. Zool.* 46: 561-566.
- SAMI, A.J., ALI, M., SHAKOORI, A.R. 2014. Growth promoting activity of crude protein extract of ruminant placental peptides. *Pakistan J. Zool.* 46: 580-583.



- NADEEM, S., NIAZ, B., RAJOKA, M.L., AL-GHANIM, K.A., MUZAMMIL, H.M., MAHBOOB, S., NADEEM, A., YOUSAF, S. AND SHAKOORI, A.R. 2014. Optimizing different vitamins for L-Glutamic acid production by *Brevibacterium* strain NIAB SS59. *Pakistan J. Zool.*, 46: 733-739.
- MUNIR, J., IQBAL, Z., SALEEM, M., SHAKOORI, F.R., MAHMOOD, Z., SHAKOORI, A.R. AND NASIR UD DIN, 2014. The 3D modeling and characterization of wild type and mutated *Plasmodium falciparum* cytochrome b: A computational approach. *Pakistan J. Zool.*, 46: 841-851.
- HASHMI, A.H., AHMAD, N., RIAZ, S., ALI, L., SIDDIQI, S., KHAN, K.M., SHAKOORI, A.R. AND MANSOOR, A. 2014. Genotype CC of rs12979860 is providing protection against infection rather than assisting in treatment response for HCV genotype 3a infection. *Genes and Immunity*, (2014), 1-3. Doi:10.1038/gene.2014.31.
- AHMAD, A., TOOR, R.H., AFTAB, S., AND SHAKOORI, A.R. 2014. Anti-proliferative and genotoxic effect of arsenic and lead on human brain cancer cell line. *Pakistan J. Zool.*, 46: 1069-1076.
- SAMI, A.J., AND SHAKOORI, A.R. 2014. Potential of Azadirachtin and neem (*Azadirachta indica*) based biopesticides for *in vitro* insect pests cellulose (Beta 1,4 endoglucanase) enzyme inhibition and *in vivo* repellency on *Tribolium castaneum*. *British Biotechnol. J.*, 4: 904-917.
- SAMI, A.J. AND SHAKOORI, A.R. 2014. Isolation of a growth hormone variant from pituitary of water buffalo *Bubalus bubalis* identical to GH from Sei Whale (*Balenoptera borealis*). *Proc. Pakistan Congr. Zool.*, 34: 1-9.
- SHAKOORI, F.R., TASNEEM, F., AL-GHANIM, K., MAHBOOB, S., AL-MISNEED, F., JAHAN, N. AND SHAKOORI, A.R. 2014. Variability in secondary structure of 18S ribosomal RNA as topological marker for identification of *Paramecium* species. *J. cell. Biochem.*, DOI 10.1002/jcb.24885. JCB 115: 2077-2088.
- SAMI, A.J., AHMAD, N., AND SHAKOORI, A.R. 2014. Computational analysis of an acidic lipase of *Tribolium castaneum*. *Pakistan J. Zool.*, 46: 805-812.
- ALI, N.S., ALI, S.S. SHAKOORI, A.R. 2014. Biochemical response of malathion-resistant and -susceptible adults of *Rhyzoperth dominica* to the sublethal doses of deltamethrin. 853- *Pakistan J. Zool.*, 46: 853-861.
- AHMAD, A. AND SHAKOORI, A.R. 2014. Anti-proliferative and genotoxic effects of arsenic and lead on human cells *in vitro*. *Toxicol. Environ. Health. Sci.*, DOI 10.1007/13530-014-0199-4. 6(3):148-154.
- ZAHID, M.T., SHAKOORI, F.R., 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 the other members of the genus *Tetrahymena*. *Pakistan J. Zool.*, 46: 1433-1445.



- IQBAL, Z., HOESSLI, D.C., QAZI, W.M., AHMAD, M., SHAKOORI, A.R. AND NASIR-UD-DIN, 2014. Exploring the sequence context of phosphorylatable amino acids: The contribution of the upgraded MAPRes tool. *J. Cell. Biochem.*, DOI 10.1002/jcb.24983. *J. cell.Biochem.*, :116: 370-379, 2015.
- SALEEM, F., ASLAM, R., SALEEM, Y., NAZ, S., SYED, Q., MUNIR, N., KHURSHID, N., SHAKOORI, A.R., 2014. Analysis and evaluation of growth parameters for optimum production of polynhydroxybutyrate (PHB) by *Bacillus thuringiensis* strain CMBL-BT-6. *Pakistan J. Zool.*, 46: :1337-1344.
- IQBAL, Z., HASSAN, M., MUNIR, J., MARIAM, I., SHAKOORI, F.R. and SHAKOORI, A.R. AND NASIR UD DIN, 2014. Identification of novel dihydrofolatereductase inhibitor as potential antimalarial drug. *Pakistan J. Zool.*, 46: 1263-1270.
- SALEEM, F., YOUNAS, A., BASHIR, R., NAZ, S., MUNIR, N. AND SHAKOORI, A.R. 2014. Molecular cloning and characterization of *Exoichitinase A* gene of indigenous *Bacillus tghuringiensis* isolates. *Pakistan J. Zool.*, 46:1491-1501.
- CHAUDHRY, R., CHAUDHRY, M.T., AL-GHANIM, K., MEHBOOB, S., AND SHAKOORI, A.R. 2014. Structure modeling of small subunit ribosomal RNA (SSU rRNA) of copoper resistant ciliates. *Pakistan J. Zool.*, 46: 1625-1632.
- MUNIR, J., IQBAL, Z., HOESSLI, D.C., SHAKOORI, A.R. AND NASIR –UD-DIN, 2014. *In silico* analysis of 2,4 substituted heterocycles and glutamic acid containing antifolates as inhibitors of malarial (*Plasmodium falciparum*) protein, dihydrofolatereductase-thymidylate synthase. *J. Proteom. Bioinform.*, 7 (11): 367-373.
- AHMAD, A., AFTAB, S., TOOR, R.H., AND SHAKOORI, A.R. 2015. Cytotoxic and genotoxic effect of arsenic and lead on rat mesenchymal stem cells (rMSCs). *Pakistan J. Zool.*, 47: 41-47.
- AHMAD, A., ASHRAF, S. AND SHAKOORI, A.R. 2015. Cytotoxic and genotoxic effects of arsenic and lead on primary human breast cancer cell lines. *Pakistan J. Zool.*, 47: 79-87.
- ALI, S.A., JUSTILIEN, V., BUKHARI, S.Z.H., LEE, J. AND SHAKOORI, A.R. 2015. Role of transcription regulatory complexes and epigenetic modifications in driving the cell fate decisions *Pakistan J. Zool.*, 47: 287-293.
- ASGHAR, M.T., AL-GHANIM, K., MAHBOOB, S., SHARIF, M., NAZIR, J., AND SHAKOORI, A.R., 2015. *Sphingomonas* sp. is a novel cell culture contaminant. *J. cell.Biochem.*, DOI:10.1002/jcb.25044. *JCB*, 116: 934-942.
- AHMAD, A., ASHRAF, S., AL-GHANIM, K., MEHBOOB, S., TOOR, R.H., AND SHAKOORI, A.R., 2015.. Anti-proliferative effects of arsenic, cadmium and lead on rat pups brain cells. *Pakistan J. Zool.*, 47: 515-522.



- KHAN, Z., HUSSAIN. S. Z., REHMAN, A., ZULFIQAR, S. AND SHAKOORI, A. R., 2015. Evaluation of cadmium resistant bacterium, *Klebsiella pneumonia*, isolated from industrial wastewater for its potential use to bioremediate environmental cadmium. *Pakistan J. Zool.*, 47: 1533-1543.
- Imran Ali, Rehana Asghar, Sajjad Ahmed, Muhammad Sajjad, Muhammad Tariq, M. Waheed Akhtar (2015) mRNA secondary structure engineering of *Thermobifida fusca* endoglucanase (Cel6A) for enhanced expression in *E. coli*. *World J. Microbiol. Biotech.* 31, 499-506.
- Saima Sadaf, Monazza Rashid, Romana Sarwar, Samina Kausar and M. Waheed Akhtar (2015) Molecular cloning expression analysis of somatotropin gene of an indigenous chicken breed. *Pak J. Biochem. Mol, Biology* 48, 7-14.
- Saher Shahid, Razia Tajwar and M. Waheed Akhtar (2015) Effect of mRNA secondary structure on expression level of *Caldicellulosiruptor saccharolyticus* DSM 8903 in *E. coli*. *Pak J. Biochem. Mol, Biology* 48, 22-28.
- Madeeha Afzal, Sana Khurshid, Ruqyya Khalid, Rehan Z Paracha, Imran H Khan, M Waheed Akhtar (2015) Fusion of selected regions of mycobacterial antigens for enhancing sensitivity in serodiagnosis of tuberculosis *J. Microbiological Methods* 115, 104-111.
- Faiza Gul Durrani, Roquyya Gul, Saima Sadaf and Muhammad Waheed Akhtar (2015). Expression and rapid purification of recombinant biologically active ovine growth hormone with DsbA targeting to *Escherichia coli* inner membrane. *Appl. Microbiol. Biotechnol.* 99(16), 6791-6801.
- Nasir Ahmad, Sumaira Mehboob and Naeem Rashid (2015) Starch-processing enzymes – emphasis on thermostable 4- α -glucanotransferases. *Biologia* 70: 709-725.
- Muhammad Tayyab, Naeem Rashid, Clement Angkawidjaja, Shigenori Kanaya, Muhammad Wasim, Ali Raza Awan, Sehrish Firyal, Tahir Yaqub and Masood Ahmed Siddiqui (2015) Hydrophobic interactions induced activation of a thermo-alkalophilic lipase from *Geobacillus* SBS-4S by molecular dynamics simulations. *J. Chem. Soci. Pak.* 37: 1030-1032.
- Masood Ahmed Siddiqui, Habib-ur-Rehman and Naeem Rashid (2014) Gene Cloning and Characterization of a Type II pullulanase hydrolase from a hyperthermophilic archaeon, *Pyrobaculum calidifontis*. *Pak. J. Zool.* 46:1077-1084
- Amina Arif, Naeem Rashid, Nasir Mahmood and Muhammad Akhtar (2014) Expression of human interferon α -2b and *Escherichia coli* methionine aminopeptidase genes in a single host using two incompatible plasmids. *Pak. J. Zool.* 46: 983-987.
- Bashir R, Sanai M, Azeem A, Altaf I, Saleem F, Naz S (2014) Contribution of *GLC3A* locus to primary congenital glaucoma in Pakistani population. *Pak J Med Sci* 30:1341-1345.



- Salman M, Bashir R, Imtiaz A, Maqsood A, Mujtaba G, Iqbal M, Naz S (2015) Mutations of GJB2 Encoding Connexin 26 contribute to nonsyndromic moderate and severe hearing loss in Pakistan. *Eur Arch Otorhinolaryngol* 272:2071-2075.
- Mujtaba G, Schultz JM, Imtiaz A, Morell RJ, Friedman TB, Naz S (2015). A mutation of MET, encoding hepatocyte growth factor receptor, is associated with human DFNB97 hearing loss. *J Med Genet* 52:548-552.

SCHOOL OF PHYSICAL SCIENCES

- **R&D- 2014-15 An Overview (5-10 lines)**

School of Physical Sciences has state of the art equipments in the field of physical, biochemical and molecular sciences and list of these equipments is described below: HPLC system, Gel electrophoresis system for DNA and Proteins, PCR machine, X-Ray Diffractometer, Gas Chromatograph, UV transilluminator, , , Food and Beverage Analyzer, CHNS Analyzer, Gerhardt Kjeldatherm Digestion system and Vapodest distillation titration system, Temperature controlled incubators, Keithley Semiconductor Characterization System, High speed centrifuge, Karlfisher titration analyzer, Precision Impedance Analyzer, Automatic Weather Station, UV Spectrophotometer and Rotatory Evaporator, Above equipments are available for the researchers to carry out research in their designated fields free of charges. Standard operating procedures have been prepared to use these equipments. Currently conditions are being optimized to use these equipments for the analysis of different compounds. Currently PCR, gel electrophoresis system and HPLC system have become functional and students are successfully using them in their research projects.

- **Projects:**

(I) Completed:

From School of Physical Sciences up till now 28 M. Phil and 02 Ph.D students of different departments have completed their research projects related to physical, biochemical and molecular sciences by using resources of School of Physical Sciences, University of the Punjab, Lahore.

(II) Newly Launched:

Currently 10 M. Phil and 08 Ph. D students of different other departments and Universities are using Laboratories of School of Physical Sciences in their research projects.

- **Publications**

- 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, RamoonaShehzadi (Co-author)** (2014) Appraisal of drinking water quality of tehsil Jampur, Pakistan Desalination and Water Treatment 1 (8)
Muhammad WaseemMumtaz, Muhammad AsamRaza, Ahmad Adnan, Hamid
- Mukhtar ,IrumPerveen, **Hafiz Muhammad Rafique**, TahirIqbal 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 AmerMahmood, JahanzebQureshi, 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

2015

12. Abdul Waheed Anwar, Abdul Majeed, NadeemIqbal , WasiUllah, Ahmad Shuaib, UsmanIlyas, FoziaBibi, and **Hafiz Muhammad Rafique (2015)** Specific Capacitance and Cyclic Stability of Graphene Based Metal/Metal Oxide Nanocomposites: A review *Journal of Materials Science & Technology* (I.F 1.198)
13. Muhammad Abdullah Sohl, PatricSchhlager, Klaus Schmieder, and **Hafiz Muhammad Rafique(2015)** Bioenergy Crop Identification at Field Scale Using VHR Airborne CIR Imagery *Photogrammetric Engineering and Remote Sensing* (I.F 2.11)

(Research publication in process)

Dr. Jamil Anwar

1. Suppression of water evaporation by employing various reagents to form protection layer.
2. Migration of water contamination by unidirectional freezing.

Dr. Fawzia Tabassum

1. Determination of caffeine from beverages using multiple detectors by HPLC.



2. Analysis of serum proteins in acute lymphoblastic leukemia patients by SDS-PAGE electrophoresis.
3. Analysis of serum proteins in dengue patients by SDS-PAGE electrophoresis.
4. Hepatitis B Virus Genotypes (D,E,F) detection in suspected Individuals by PCR.
5. PCR analysis of Hepatitis B virus genotypes (A,B,C) in suspected individuals.
6. HPLC Analysis of different commercial formulations of interferon @2b.

Asim Rehman

Effect of basis on catalytic hydrodechlorination of 2,4 dichlorophenols by using Cocurrent Downflow Contactor Reactor.

Hafiz Muhammad Shakeel

Study of Bio-corrosion and its effects on the mechanical response of metals and alloys.

Ahmad Hassan

Molecular analysis of meat samples by cytochrome genes analysis.

Saffora Riaz

Analysis of tuberculosis in pesticide exposed individuals.

Iram

Analysis of tuberculosis in milk and water samples.

Marina

Analysis of interlukin 10 and interlukin 28b genes in blood cancer patients

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

School of Physical Sciences (Advance Chemistry Lab) has organized different conferences and workshops in collaboration with ORIC in the past and planning to organize more workshops this year as well.

The workshops organized earlier were attended by scientists and students from different Universities which included:

- University of the Punjab (different departments).
- University of Health Sciences, Lahore.
- University of Engineering and Technology, Lahore.
- University of Karachi.
- Environmental Protection Agency, Govt. of Punjab.
- University of the Mansehra, KPK.
- University of Agriculture, Faisalabad.
- Kinnaird College, Lahore.
- University of Education, Lahore.
- FC College University, Lahore.
- GCU, Lahore.
- Lahore College for Women University, Lahore.
- Science college wahdat road, Lahore.
- Queen Marry College, Lahore.



○ **Research Collaboration**

School of Physical Sciences (Advance Chemistry Lab) has developed research collaborations with scientific community of different other organization which included:

- University of the Punjab (different Departments).
- University of Health Sciences, Lahore.
- Science college wahdat road, Lahore.
- Kinnaird College, Lahore.
- Queen Mary College, Lahore.
- South Asian Primary Care Research Network (www.sapcrn.org).

Punjab University Gujranwala Campus

2.1 R & D – An Overview

The faculty members of the PUGC got their 9 research papers published in international journals and participated in 9 international conferences.

2.3 Publications

- I. Mr. Salman Naseer, Intrusion detection system in Mobile Adhoc Network: A review, Lecture Notes on Information Theory Vol III No. I, June 2015.
- II. Mr. Navid Iqbal, Consequences of Discretionary and non- Discretionary HR Practices on the banking Sector of Pakistan, Biannual Research Journal Grassroots, Vol. 49, No 2 (2015).
- III. Mr. Navid Iqbal, Impact of Market Orientation on the performance of private universities in Pakistan, international research Journal of Arts and humanities (IRJAH), Vol. 43 (43)-2015.
- IV. Mr. Navid Iqbal, Impact of Capital Structuring on the Financial Risk: A study on the listed Companies in Pakistan, BL- NNUAL RESEARCH JOURNAL "BALOCHISTAN REVIEW"
- V. Mr. Navid Iqbal, Assessing the Role of Private Investment and Globalization in Ecomioic Growth of Pakistan: A Foreign Direct Investment perspective, Journal of Commerce Vol. 7(4), pp. 200-222. (2015).
- VI. Wahab Shehbaz, Dr. Muhammad Mudasar Ghafoor, (2015), "Role stress and job satisfaction: A case study of personnel of water and sanitation agencies of Punjab, Pakistan", International Journal of Sciences: Basic and Applied Research, Vol. 4, Issue. 3, pp. 153-158. Amman – Jordan, Impact Factor 0.227, (Recognized by HEC). Access at 10.20 a.m. <http://gssrr.org/index.php?journal=journalofbasicandapplied>
- VII. Wahab Shehbaz, Dr. Muhammad Mudasar Ghafoor, (2015), "Workplace Spirituality and Organizational Commitment: A Case Study of Water and Sanitation Agencies of Punjab, Pakistan", International Journal of Sciences: Basic and Applied Research, Vol.



- 24, No. 1, pp. 234-244. Amman – Jordan, Impact Factor 0.227, (Recognized by HEC). Access at 10.20 a.m. <http://gssrr.org/index.php?journal=journalofbasicandapplied>
- VIII. 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)
- IX. 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)

2.4 Conferences, Seminars and Workshops, etc.

- I. Mr. Salman Naseer, presented his paper "Intrusion detection system in Mobile Adhoc Network: A review" in an international conference ICICM 2014 held in October 2014 at Geneva, Switzerland.
- II. Mr. Salman Naseer presented his paper "Performance Evaluation of Routing Protocols in VANET" in 21st Century Academic Forum in March 2015 at Harvard University USA.
- III. Mr. Navid Iqbal, Impact of market Orientation on the Financial Performance of Private universities in Pakistan 27th European Conference on Operation Research (EURO 2015), July 2015, University of Strathclyde in Glasgow, UK.
- IV. Mr. Navid Iqbal participated as Chair in the 1st Research Symposium (Feb 2015) Held at the Department of Management Science University of Gujrat, Gujrat
- V. Mr. Navid Iqbal participated as session Chair in the 1st Multidisciplinary Research conference held at University of Sargodha Department of Business Administration, September 19, 2015.
- VI. Dr. Muhammad Mudasar Ghafoor, (2015), participated as Guest Speaker and Session Chair in " 1st Multi Disciplinary Research Conference (MDRC) that was held on 19th September 2015 at University of Sargodha, Mandi Bahuddin Campus, Mandi Bahauddin, Punjab, Pakistan
- VII. Dr. Muhammad Mudasar Ghafoor, (2015), "Antecedents and Consequences of Job Satisfaction: Evidence from Pakistani Universities", presented in 2nd 21st Century Academic Forum Conference at Harvard which was held on 8-10 March at Harvard University United States of America (USA).
- VIII. Dr. Muhammad Mudasar Ghafoor, (2015), "Impact of sales promotion and consumer perception on consumer buying behaviors: An empirical evidence from Pakistani Market" presented in 2nd 21st Century Academic Forum Conference at Harvard which was held on 8-10 March at Harvard University United States of America (USA).
- IX. Dr. Muhammad Mudasar Ghafoor (2014) Participated as a Session Chair in 4th International Conference on Information Communication and Management (ICICM) held on 8-9 October 2014 at Geneva, Switzerland.



Jhelum Campus

- Publications: Books/ Edited
 - **Research Paper on “Foreign Direct Investment: Laws of Pakistan and their implications for the World. Paper Presented in International Academic Conference, Istanbul, Turkey” by Kashif Imran Zaidi Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Association Rule Mining: An Application Perspective” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Taxonomy of Automated Software Testing Tool” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Dengue Fever in Perspective of Clustering Algorithms” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Survey-Data Privacy through Different Methods” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Survey of Clustering Applications” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Power Management and Green Computing: An Operating System Perspective” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Dengue Fever Prediction: A Data Mining Problem” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Web Based Programming Languages that Support SELENIUM Testing” by Kamran Shaukat Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “The empirical Relationship between Stocks Returns, Trading Volume and Volatility: Evidence Form Stock Market of United Kingdom” by Tabassum Riaz Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Impact of overconfidence, Illusion of Control, Self Control and Optimism Bias On Investment Decision Making; Evidence From Development Markets” by Tabassum Riaz Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “A comparative study of software development method with respect to their Suitability for software development professionals” by Gulshan Aslam Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Analysis of information Security through asset management in Academic institutions of Pakistan” by Nadia Mumtaz Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “The empirical Relationship between Stocks Returns, Trading Volume and Volatility: Evidence Form Stock Market of United Kingdom” by Haroon Iqbal Lecturer Punjab University Jhelum Campus.**
 - **Research Paper on “Impact of overconfidence, Illusion of Control, Self Control and Optimism Bias On Investment Decision Making; Evidence From Development Markets” by Haroon Iqbal Lecturer Punjab University Jhelum Campus.**
- Functions/ Established/ Budget / Activities
 - **Iqbal day 9th November 2015.**
 - **Tribute to to Shuhda-e- Army Public 16 December 2015.**
 - **Tribute to Shuhda-e-Difah Pakistan 6th September 2015.**
 - **Sports Activities September 2015.**



Chapter

3

QUALITY ASSURANCE

- *Impact of Quality Assurance in the University*
- *Quality Enhancement Cell*
- *Membership of Associations/ Networks*
- *Accreditation of Programmes from Relevant Councils*

**CHAPTER****3**

Quality Assurance

Quality Enhancement Cell

Department: Quality Enhancement Cell

Contact # +92-42-99237019

E-mail: ijazaamir@yahoo.com, omer.gec@pu.edu.pk, zainisyed8382@gmail.com

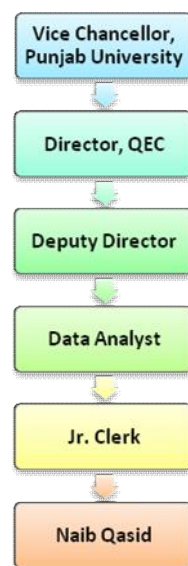
In recent years it has become an obligation that institutions of higher education demonstrate the effectiveness of their academic programs in providing high quality education that positively impacts students. Furthermore, most accrediting bodies and others concerned with quality assurance are requesting that institutions assess students learning outcomes as a means of improving academic programs. This has led the HEC to develop methods for assessing the quality of academic programs.

Assessment is a systematic process of gathering, reviewing and using important quantitative and qualitative data and information from multiple and diverse sources about educational programs, for the purpose of improving student learning, and evaluating whether academic and learning standards are being met. The process culminates when assessment results are used to improve students learning. The elements of a successful assessment program include:-

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

Functioning of Quality Enhancement Cell at University of the Punjab:

As per directions of HEC, Quality Enhancement Cell was established at University of the Punjab in 2006. QEC houses in its own building constructed at the 1st floor of ICET. The present structure of Quality Enhancement Cell at University of the Punjab is given as below:

Structure of Quality Enhancement Cell at University of the Punjab:

There are number of ways by which educational institutions are improving the quality of education. Self-assessment is one of them.

Self-Assessment:

Self-assessment is an important tool for quality assurance and provides feedback for the management to initiate action plans for improvement and the same has been adopted at University of the Punjab. The data is collected by using self-assessment manual for the purpose of self-assessment of a particular academic program. Quality Enhancement Cell at Punjab University is continuously striving for implementation of SAM at departmental level. The salient features of self-assessment are as under:-

- It helps in maintaining and continuous enhancement of performance.
- Enhance effectiveness of the output.
- Verify that the existing activities meet their objectives and institutional goals.
- Provide feedback for quality assurance to the management.

Self-Assessment Procedure:

Each academic program undergoes a self-assessment every year (assessment cycle). QEC is responsible for planning, coordinating and following up on the self-assessment activities. The steps of the procedure for self-assessment are as under:-

- QEC initiates self-assessment exercise through the notification issued by the Vice Chancellor's office.



- Department constitutes its Program team, who is responsible for preparing and generating Self-Assessment Report (SAR).
- QEC reviews the final SAR in one month to ensure that it is prepared in line with the required format.
- If SAR prepared by the department is declared completed in every respect by QEC; it moves to next step, otherwise, it is sent back to the department (step 2).
- Vice Chancellor forms Assessment Team (AT) in consultation with QEC.
- QEC plans and fixes AT visits.
- AT conducts assessment and presents its findings to QEC.
- QEC submits the Executive Summary along with AT findings to the Vice Chancellor, HEC & HOD of that particular department.
- Department shall prepare and submit an implementation plan to QEC based on AT findings.
- QEC is also responsible for follow-up of corrective measures by different departments.

Components of Self-Assessment Process:

Criteria 1: Programme Mission Statements, Objectives and Outcomes

Criteria 2: Curriculum Design and Organization

Criteria 3: Laboratories and Computing Facilities

Criteria 4: Student Support and Advising

Criteria 5: Process Control

Criteria 6: Faculty

Criteria 7: Institutional Facilities

Criteria 8: Institutional Support

Impact of Quality Assurance in the University

Quality Enhancement Cells were established in universities to have a focused attention on quality assurance aspect of Higher Education and to monitor the ongoing quality move in the University. The impact of quality assurance and the changes which it has brought in the University are outlined below:-

- Created the awareness about self-assessment, its procedures and implementation at departmental level.
- Streamlined the development of curriculum for different programs.
- Development of module files of Bachelors, Masters, M.Phil and PhD. degree programs.
- Lesson plan and course material files are being maintained and distributed among students.
- Streamlined the educational processes i.e. admission, registration and guidance to students etc.

- Focused on improving and maintaining the highest Academic Standards.
- Prepare the departments for their Accreditation by Councils and other such bodies.
- Helped to improve students' learning through student feedback (high standards of oral and written communication skills), alumni & employer surveys and changes, if required, in curricula (improvements to achieve academic excellence)
- Identified the weaknesses about teaching & research through faculty survey.
- It is agreed by all the stakeholders in higher education that Self-Assessment Manual (SAM) is a great opportunity to enhance the level of education.



Celebration of "World Quality Day" at University of the Punjab

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 46
- No. of ATs formed 32
- No. of ATs visits to different departments 32
- No. of submission of AT reports 24
- No. of Exit meeting of AT with the Dean & PTMs 32
- No. of audits completed of different departments 32
- No. of submission of Implementation plans to VC 32
- 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 14 th January, 2015	Faculty of Islamic Studies	To expedite the completion of self-assessment report and awareness about the Teacher's and Courses Evaluations.	Ref.No.D/108/QEC dated 14-01-2015
2	Minutes of Meeting for Expediting Self-Assessment Activities & Awareness about the Teacher's and Courses Evaluations on 18 th May, 2015	Faculty of Oriental Learning	To expedite the completion of self-assessment report and awareness about the Teacher's and Courses Evaluations.	Ref. No. D/76/QEC dated 18-05-2015
3	Minutes of Meeting for Expediting Self-Assessment Activities & Awareness about the Teacher's and Courses Evaluations on 10 th August, 2015	Faculty of Commerce	To expedite the completion of self-assessment report and awareness about the Teacher's and Courses Evaluations.	Ref. No. /100/QEC dated 10-08-2015



QEC is conducting meeting about self-assessment process with Faculty of Commerce

b) Self-Assessment Exercise.

Self-assessment reports of the following departments have been submitted to QEC in the reporting year:-

SR. No	Departments undertaking SA exercise	PTs formed (attach list of names)	Program Team Report completed			QEC Review of the Program Teams Report		
			No. of Criteria covered (out of 8)	No. of Standards covered (out of 31)	No. & Type of Surveys completed (out of 10)	Date of submission of the report by the PT	Report is returned to PT and further submission by PT	Report finalized (Date)
01	Department of Business Education	1. Dr. Shaukat Ali Raza 2. Dr. Ashi Zeeshan	08	31	04	27-10-2014	--	27-10-2014

**c) Executive summaries and implementation plans of departments.**

During the year 2014-15, 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
01	Department of French Language & Literature	1 – Dr. Nighat Jamal 2 – Ms. Saira Riaz	02-10-2014	30-10-2014	30-10-2014	30-10-2014	30-10-2014
02	Department of Business Education	1-Dr. Shaukat Ali Raza 2-Mrs. Ashi Zeeshan	12-11-2014	25-11-2014	12-11-2014	25-11-2014	25-06-2015
03	Department of Geography	1-Dr. Safdar Ali Sherazi 2- Ms. Isma Younis	22-01-2015	26-01-2015	22-01-2015	26-01-2015	30-06-2015
04	Department of Economics	1-Prof. Dr. Hafeez ur Rehman 2-Dr. Hafiz Khalil Ahmad 3-Mr. Rana Hamza Gul	25-05-2015	27-05-2015	25-05-2015	27-05-2015	07-09-2015

B. 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	"Indigenous on Campus Training Program under Modern University Governance"	1st September, 2014	Director QEC, Prof. Dr. Aamir Ijaz was invited by the Vice Chancellor of "The Women University Multan" for a training session at their "Second Indigenous on Campus Training Program under Modern University Governance" During training session Prof. Dr. Aamir Ijaz delivered lectures and gave presentations on communication skills, time management and manners.
2	Conference on "The World beyond 2015: Is Higher Education Ready?"	10th September, 2014	Director QEC, Prof. Dr. Aamir Ijaz attended a conference on "The World beyond 2015: Is Higher Education Ready?" at CIIT Islamabad on 10th September, 2014.



3	Celebration of World Quality at University of Education, Lahore	13 th November 2014	Prof. Dr. Aamir Ijaz delivered a lecture on "Impact of QEC on Higher Educational Institutions. Prof. Dr. Aamir Ijaz, in his lecture, explained the importance and impact of QECs in universities. He also described the self-assessment tools and shared the good practices of QEC, PU with the participants.
4	Celebration of World Quality Day at University of the Punjab	22nd December, 2014	World Quality Day" was celebrated in Punjab University in collaboration with Virtual University of Pakistan on 22nd December, 2014. Vice Chancellor, University of the Punjab "Prof. Dr. Mujahid Kamran" was the Chief Guest and Rector Virtual University of Pakistan "Prof. Dr. Naveed A. Malik" was the Guest of Honor in the event. Registrars of both universities, QEC Heads of various universities of Lahore, heads of departments, faculty members of both universities were participated in the event.
5	Video Conference on "Quality Enhancement a three cycle Strategy"	April 16, 2015	QEC, PU attended a video conference on "Quality Enhancement a three cycle Strategy" organized by Kohat medical University.
6	APQN International Conference	17 th - 19 th April, 2015	Director QEC, PU presented a Research Paper on title "Achieving Performance Excellence in Higher Education Institutions of Pakistan through QECs" in APQN Conference at Kunming China
7	Seminar on "Quality Assurance in Education"	April 03, 2015	QEC, PU organized a seminar on "Quality Assurance in Education" in collaboration with PIQC Institute of Quality at Al-Raazi Hall, Centre for Undergraduate Studies, and University of the Punjab on April 03, 2015. Vice Chancellor, University of the Punjab, Prof. Dr. Mujahid Kamran was the chief guest while CEO, PIQC, Dr. Kamran Moosa was the guest speaker. Different Deans, HODs, and program team members of Self-Assessment Manual (SAM) of Punjab University and QEC staff members of other universities across Lahore attended the seminar.

C. QEC website has been developed and following information uploaded on <http://pu.edu.pk/home/qec/qec.html>

S. No	List down the relevant information uploaded
1	Introduction of QEC
2	Vision of QEC
3	Mission of QEC
4	Objectives of QEC
5	Vision of Punjab University
6	Mission of Punjab University
7	Goals of Punjab University



8	Job Description of PT's and AT's
9	Structure of QEC
10	Self-Assessment Manual (SAM)
11	Presentations
12	Minutes of Meeting arranged by QEC
13	Program Team Members of SAM
14	Assessment Team Members
15	Self-Assessment Reports
16	Check lists
17	Audits completed
18	Assessment Team Findings
19	Rubric Forms
20	Implementation Plans
21	Follow Up Actions
22	Survey Forms
23	Memberships
24	News & Events

Membership of Associations / Networks

Acquired the memberships of following international quality assurance agencies:

- 1- Asia Pacific Quality Network (APQN)
- 2- International Network for Quality Assurance Agencies in Higher Education (INQAAHE)
- 3- Association of Quality Assurance Agencies of the Islamic World (AQAAIW)
- 4- Talloires Network (Tufts University), Washington DC 20036, USA.
- 5- QEC Network

Faculty of Arts & Humanities**DEPARTMENT OF LITERARY HISTORY**

The research work has been highly appreciated by journals and newspapers and the copies are being sold out at a brisk pace.

Faculty of Behavioral & Social Sciences**DEPARTMENT OF POLITICAL SCIENCE****3.3. Membership of Associations / Networks**

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



- Member, Editorial & Advisory Board “Research Society of Pakistan” University of the Punjab, Lahore.
- Member, Price Vigilance Committee for Punjab University to monitor the prices of Book/Journals/Manuscripts/Library Materials etc., University of the Punjab, Lahore (O.O No. D/219/R, Dated 22-04-2015)
- Member, Faculty Board of Economics and Management, University of the Punjab, Lahore.
- Member, PUASA Elections Committee, University of the Punjab, Lahore (Order No. D/533/FBSS, Dated 20-01-2015), 2015
- Member, Grant of Advance/Annual Increments to the Faculty Members working under TTP, PU, Lahore (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

Membership of Associations/Networks:

Institute of Communication Studies, University of the Punjab has membership of PEMRA and Paragon Academy of Performing Arts.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

3.1

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.

3.2

Quality Enhancement Cell:

This Cell exists in the University of the Punjab and they are in a better position to submit reply in respect of 3.3 and 3.4. We keep updating them in respect of our institution.

Faculty of Economics & Management Sciences

INSTITUTE OF BUSINESS ADMINISTRATION

○ **Membership of Associations/ Networks**

IBA is a member of the Association of Management Development Institutions in South Asia (AMDISA), Hyderabad, India.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Faculty Development

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

DEPARTMENT OF INFORMATION MANAGEMENT

Membership of Association/Network

Prof. Dr. Kanwal Ameen is Country Representative for Special Library Association (SLA), USA. Faculty members are associated with various international associations such as CILIP, ASIS&T and American Library Association (ALA).



Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- Accreditation of programmes from relevant councils
The Masters programme is under process of accreditation.

Faculty of Engineering & Technology

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

3.1 Impact of Quality Assurance in the University

Teacher's and course evaluations are conducted on regular basis. Teachers have started circulating course outlines and completing courses in semester. Self Assessment process is working and reports are being generated.

3.3 Membership of Associations/Networks

Faculty members as well as students are encouraged to get memberships of various professional organizations like PEC, PIChE and Pakistan Engineering Congress etc.

3.4 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

3.1 Accreditation of Programmes from relevant councils

BS Industrial Engineering program of this Institute is accredited by PEC.

DEPARTMENT OF ELECTRICAL ENGINEERING

3.3 Memberships of Associations /Networks:

IEEE Professional Members = 2 ; IEEE General Members = 6

3.4 Accreditation of programmes from relevant councils: By Pakistan Engineering Council

Faculty of Oriental Learning

DEPARTMENT OF HINDI

Quality Assurance.

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



Faculty of Life Sciences

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- o Membership of Associations/Networks
- 1. Dr Shahida Hasnain is Member, Society for General Microbiology, England (since 1984).
- 2. Dr Shahida Hasnain is Life, Member, Botanical Society of Pakistan.
- 3. Dr Shahida Hasnain is Member, Biological Society of Pakistan.
- 4. Dr Shahida Hasnain is Life Member, Pharmacological Society of Pakistan.
- 5. Dr Shahida Hasnain is Life Fellow, The Zoological Society of Pakistan.
- 6. Dr Shahida Hasnain is Member, Botanical Society of Bangladesh, 1992-93.
- 7. Dr Shahida Hasnain is Member, Bangladesh Association for Plant Tissue Culture, 1992-93.
- 8. Dr Shahida Hasnain is Member, New York Academy of Science, 1995-98.
- 9. Dr Shahida Hasnain is Founder member and life fellow, Genetical Society of Pakistan, vice President, Jan. 1995-Dec. 1995; Jan. 1996-Dec. 1998; President, 1999-2002.
- 10. Dr Shahida Hasnain is Life Member, Pakistan Environment Protection Society, since March 1997.
- 11. MMG Department is member of AT Waste management.
- 12. Dr Anjum Nasim Sabri is convenor of biosafety Bio-resource Committee, Punjab University, Lahore,
- 13. Dr Anjum Nasim Sabri is life time member of Pakistan Botanical Society
- 14. Dr Anjum Nasim Sabri is Life Member Pakistan Genetical Society.
- 15. Dr Anjum Nasim Sabri is Member American Society for Microbiology (ASM), outreach USA.
- 16. Dr Anjum Nasim Sabri , member of NCRC , HEC in Microbiology
- 17. Dr Anjum Nasim Sabri , Convenor of NCRC , HEC in Molecular Biology.
- 18. Dr. Sikander Sultan is member of American Society for Microbiology (ASM), USA.
- 19. Dr. Sikander Sultan is Life Member of Pakistan Genetical Society
- 20. Dr. Sikander Sultan is Life Member of Pakistan Botanical Society
- 21. Dr. Sikander Sultan is member of NCRC , HEC in Molecular Biology.
- 22. Dr Zakia Latif is life time member of Mycopathological society of Pakistan
- 23. Dr Zakia Latif is life time member of Pakistan Botanical Society
- 24. Dr Zakia Latif is life time member of Phytopathological society of Pakistan
- 25. Dr. Nazia Jamil Professional Membership in International Society for Development and Sustainability (ISDS) Japan.



26. Dr. Nazia Jamil Secretary, Departmental Council for Disciplinary Cases of University of the Punjab.
27. Dr. Nazia Jamil Member Asia Pacific Biotech News
28. Dr. Nazia Jamil Member of the Society for Industrial Microbiology, USA
29. Dr. Nazia Jamil Member ASM, USA
30. Dr. Nazia Jamil Life Fellow Zoological Society of Pakistan.
31. Dr. Basharat Ali is member of American Society for Microbiology (ASM)
32. Dr. Basharat Ali is member of WWF Pakistan
33. Dr. Imran Sajid is member American Society for Microbiology (ASM)
34. Dr. Rida Batool is Life Fellow Pakistan Zoological Society
35. Dr. Rida Batool is Member of International Society for Applied Life Sciences (ISALS)
36. Dr. Rida Batool is Member of Asia Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)
37. Dr. Rida Batool is Member of American Society of Microbiology (ASM)
38. Dr. Nageen Hussain is a Member American Society for Microbiology (ASM), USA
39. Dr. Saba Riaz is Member Society of Infectious Diseases Pakistan
40. Dr. Saba Riaz International Society of Infectious Diseases
41. Dr. Saba Riaz Medical Research Society of Pakistan
42. Ms. Ammara Khalid is Member of American Society of Microbiology (ASM)
43. Dr. Zakia Latif is member of technical editorial board of journal "Advancement in Life Sciences"
44. Dr. Saira Malik is a member of Elsevier Publishing campus.
45. Dr. Yasir Rehman is a member of American Society of Microbiology (ASM).
46. Dr. Zaigham Abbas is Chief-coordinator of National Academy of Young Scientists. (www.nays.com.pk)
47. Dr. Zaigham Abbas is Member of American Association for the Advancement of Science (AAAS).
48. Dr. Zaigham Abbas is Member Young thinkers of Pakistan (YTP)
49. Dr. Zaigham Abbas Member European Academy of Allergy and Clinical Immunology (EAACI).
50. Dr. Nousheen Zehra Zaidi - of Biosafety Bio-resource Committee, Punjab University, Lahore, Secretary).
51. Dr. Nousheen Zehra Zaidi Ad Hoc Reviewer for Biochemical Pharmacology (2014)
52. Dr. Nousheen Zehra Zaidi Ad Hoc Reviewer for Food and Chemical Toxicology (2014).



53. Dr Mehboob Ahmed is Member American Society for Microbiology (ASM), USA.
54. Dr Mehboob Ahmed is Member, HEC National Curriculum revision committee for Bioinformatics

o **Accreditation of Programmes from relevant councils**

1. Approval of all programmes (BS, MSc, MPhil, Ms Ph.D) from relevant bodies of the PU
2. Accreditation with biology in PPSC

DEPARTMENT OF ZOOLOGY

3.3 Membership of Associations/ Networks

Prof. Dr. Javed Iqbal Qazi

- Member, Biotechnology Society NIBGE, Faisalabad.
- Life Fellow Zoological Society of Pakistan.
- Life Fellow Biological Society of Pakistan.
- Life Fellow Pakistan Fisheries Society.
- Life fellow medical Research Society of Pakistan.
- Remained member, Advisory Board, Pakistan Journal of Zoology.
- Member, Editorial Committee, Punjab University Journal of Zoology.
- Member, Board of Studies in Zoology, University of the Punjab, Lahore.
- Member, Board of Studies in Microbiology, Hazara University, Mansehra NWFP, Pakistan.
- Member, Board of Studies in Zoology University of Azad Jammu Kashmir Muzaffarabad.
- Member, Equivalence Committee, University of the Punjab, Lahore.
- Member, Departmental Tenure Track Review Committee (DTRC) of the Institute of Agricultural Sciences to evaluate/review the performance of the Faculty members working on TTS according to the relevant statutes.
- Young Zoologist member Executive council, Zoological Society of Pakistan.
- Was recommended by the American Biographical Institute, Inc. (ABI) Governing Board of Editors for biographical inclusion in the Seventh Edition of INTERNATIONAL DIRECTORY OF DISTINGUISHED LEADERSHIP in 1997.
- Was declared eligible for the LEADING SCIENTIST OF THE WORLD medal by International Biographical Centre, Cambridge, England.
- Was appointed as member Departmental Purchase Committee for Department of Zoology, University of the Punjab, Lahore, for the year 2006-07.
- Member equivalence committee University of the Punjab, Lahore. Pakistan. from 14.05.2008 for two years.



- Member, Mirpur University of Science and Technology (MUST), MIRPUR.
- Member Disciplinary Committee for resolving cases for unfair means in the examinations of University of the Punjab, Lahore. From 2010 on-ward.
- Member Academic Council University of the Punjab, Lahore.
- Member of Inquiry Committee, University of the Punjab, Lahore.
- Student advisor Department of Zoology, University of the Punjab, Lahore.
- Co-ordinator Ph.D. In-Service Program. Department of Zoology, University of the Punjab, Lahore.
- Member of HEC National Curriculum Revision Committee.
- Member of Core Committee to Develop/ Strengthen the Punjab University Industry Linkages.
- Was appointed member of the Advance Studies and Research Board for a period of three years w.e.f. 19.06.2014 by the academic council, University of the Punjab, Lahore. Vide notification No. 2061/P
- Member Departmental Tenure Review Committee (DTRC) of the Centre for Undergraduate Studies vide office order No. D/5272/Est.I dated, 11.09.2014.
- Member Editorial Board Pakistan Journal of Molecular Medicine. The University of Lahore, 1-km defense road, off Raiwind Road Lahore, Pakistan. Volume 01 (1-2), 2014.

Prof. Dr. Muhammad Naeem Khan

- Member, Western Division, American Fisheries Society, USA (AFS), 2014.
- Member, World Aquaculture Society (WAS), 2014.
- Member, Zoological Society of Pakistan
- Member, Pakistan Fisheries Society
- Member, University of Veterinary & Animal Sciences, Lahore Alumni Association
- Member, Board of Studies, Lahore College for Women, Lahore.
- Member, Selection Board, Lahore College for Women University, Lahore.
- Member, Selection Board, University of Veterinary & Animal Sciences, Lahore.
- Member, Selection Board, University of Sindh, Jamshoro.
- Member, Selection Board, University of Karachi.
- Member, Selection Board, BahauddinZakariya University (BZU), Multan.
- Member, Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore.
- Member, Working Group, Fisheries Sector, Forest Wildlife & Fisheries Department, Government of Punjab.

**Dr. Zafar Iqbal**

- Member Asian Fisheries Society Malaysia
- Member British Society for Parasitology
- Fellow Zoology Society of Pakistan
- Fellow Fisheries Society of Pakistan
- Fellow Biology Society of Pakistan

Dr. Nabila Roohi

- Life Fellow, Zoological Society of Pakistan.
- Member, organization for Women in Science for the Developing World (OWSDW) Since 2007-continuing

INSTITUTE OF APPLIED PSYCHOLOGY**3.3 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 (APsA).	Prof. Dr. Rukhsana Kausar
7.	Life Member, Pakistan Psychological Association (PPA).	Prof. Dr. Rukhsana Kausar
8.	Member, International Society of Interpersonal Acceptance and Rejection.	Prof. Dr. Rukhsana Kausar
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
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

3.4 Accreditation of Programs from relevant councils

Programs and Courses are accredited by Statutory Bodies of the University.

INSTITUTE OF AGRICULTURAL SCIENCES

○ **Membership of Associations/ Networks**

Dr. M. Saleem Haider, Professor & Director

- Editor In-Chief for Mycopath Journal
- Member-Editorial Board for Journal of Life Sciences, USA
- Member-European Federation of Biotechnology
- Fellow-The Zoological Society of Pakistan
- Member Pakistan Phytopathological Society
- Member Myco-Phytopathological Society of Pakistan
- Member Bioinformatics.org
- Member-Pakistan Agricultural Research Scientists Association
- Member world *Cucurbitaceae* Scientists



- Reviewer: Journal of Microbiology and Antimicrobials
- Reviewer: Journal of Life Sciences, USA
- Reviewer: Pakistan Journal of Botany
- Reviewer: Sarhad Journal of Agriculture
- Reviewer: Pakistan Journal of Agricultural Sciences
- Reviewer: African Journal of Biotechnology
- Reviewer: African Journal of Agricultural Sciences

Dr. Salik Nawaz Khan, Assistant Professor

- Member editorial board of 'Myconews', an official quarterly publication of First Fungal Culture Bank of Pakistan, University of The Punjab, Lahore.
- Life member of Myco-phytopathological Society of Pakistan (MYCOPS).
- Lifemember and vice president for Phytopathological society Pakistan
- Life member Pakistan Botanical Society

Dr. Tehmina Anjum, Assistant Professor

- Life member of Myco-phytopathological Society of Pakistan (MYCOPS)
- International Society of Ethno-biology (ISE), USA (Member from March 2012)
- Senior member (Member #: 100475) of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES) since 2012.

Dr. Arshad Javaid, Assistant Professor

- Pakistan Botanical Society (Life Member).
- Pakistan Phytopathological Society (Life Member)
- Weed Science Society of Pakistan (Life Member) (Vice President Punjab)
- Asian Allelopathy Society (Life Member)

Dr. Amna Shoaib, Assistant Professor

- Phytopathological Society
- Myco-Phytopathological Society of Pakistan

Dr. Shazia Shafique, Assistant Professor

- Life member, Pakistan Phytopathological Society.
- Member, Myco-Phytopathological Society of Pakistan.
- Member, Weed Science Society of Pakistan
- Life time membership of International society of Applied Life Sciences.

Dr. Sobiya Shafique, Assistant Professor

- Life member, Pakistan Phytopathological Society.
- Member, Myco-Phytopathological Society of Pakistan.
- Member, Weed Science Society of Pakistan
- Life time membership of International society of Applied Life Sciences.

Dr. Muhammad Ashfaq, Assistant Professor

- 1) American Society of Plant Biologists (ASPB)
- 2) Pakistan Society of Plant Breeders and Geneticist (UAF)
- 3) Editor Agriculture Newsletter, Institute of Agricultural Sciences

Dr. Shinawar Waseem Ali, Assistant Professor

- Member, Pakistan Society of Food Scientists & Technologists (PSFST), as well as Secretary Press & Public Relations, PSFST-Lahore Chapter for session 2012-2014
- Global Outreach Member, American Society of Microbiology (ASM) till December 2013



- Volunteer Member, Institute of Research Promotion (IRP), Lahore, Pakistan
- Member, National Academy of Young Scientists (NAYS), Pakistan

Dr. Muhammad Bilal Chattha, Assistant Professor

- Pakistan Society of Agronomy

Dr. Muhammad Bilal Chattha, Assistant Professor

- Pakistan Society of Agronomy

Dr. Naureen Akhtar, Assistant Professor

- American Phytopathological Society (APS)
- Phytopathological Society of Pakistan (PPS)
- Myco-phytopathological Society of Pakistan (MYCOPS)
- Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)

Dr. Nasir Ahmad, Assistant Professor

- Member of Pakistan Society of Food Scientists and Technologists
- Member of Quality and Price Control Committee of IAGS
- Member of Research Committee of IAGS

Dr. Muhammad Ali, Assistant Professor

- Member for Eucarpia (EUROPEAN ASSOCIATION FOR RESEARCH ON PLANT BREEDING) SWITZERLAND.
- International club, University of Agriculture, Faisalabad.
- The Art club, University of Agriculture, Faisalabad.
- Young Entomological Society, University of Agriculture, Faisalabad.

Mr. Fiaz Hussain Ferdosi, Assistant Professor

- National Curriculum Revised Committee for Horticulture; Higher Education Commission (HEC) Islamabad Pakistan (Member).
- The American Society for Horticultural Sciences (Member).
- The Florida State Horticultural Society
- The Urban Horticulture Society Lahore Pakistan (Advisor)
- Pakistan Horticulture Society.

Miss Zill-e-Huma, Assistant Professor

- Pakistan Phytopathological Society
- Mycophytopathological Society of Pakistan
- The Pakistan Society of Biochemistry and Molecular Biology
- American Society of Industrial Microbiologists

○ **Accreditation of Programmes from relevant councils**

The Higher Education Commission (HEC) has accredited the academic programs of the Institute of Agricultural Sciences in 'X' category.

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. 2013-update
- Member, SAARC Academic Alliance, 2013-update
- Member, American Geophysical Union (AGU) Washington DC., USA, 2014
- Member American Association of Geographers (AAG) Washington DC., USA, 2014-update
- Moderator, National Post Doc Association, USA 2014-update
- 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,
- 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)
- 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 BahawdinZakria University, Multan-Pakistan
- 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
- **Dr. Fakhra Shamim**
 - Member, Pakistan Botanical society
 - Member, Pakistan Phytopathological society
- **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.
- **Ms. Rehana Jamal**
 - Member, Pakistan Geographical Information System
 - Member, Old Geographers Society association(OGSA) Punjab University Lahore

❖ **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

3.1. 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. Prof. Dr. Shahid Kamal, Principal & Dean, Faculty of Sciences is the member, American Statistical Association, USA
- ii. Mr. Ghulam Nabi, Lecturer is the member, Institute of Actuaries, U.K.
- iii. Mr. Ghulam Nabi, Lecturer is the member, Pakistan Society of Actuaries, Pakistan
- iv. Mr. Ghulam Nabi, Lecturer is the member, Society of Actuaries, India

3.2. 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 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

3.4 Accreditation of Programmes from relevant councils

- i. 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

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Impact of Quality Assurance [Related to Director QEC]

Quality Enhancement Cell: The first Self Assessment Report of the College has been submitted to QEC and is under processing.

Membership of Associations/ Networks

Prof. Dr. Sajid Rashid Ahmad: **Member**, Stratigraphic Committee of Pakistan, **Member**, National Geological Society, Pakistan, Punjab Geological Society, Pakistan

Prof. Dr. Firdaus-e-Bareen: Member of Pakistan Botanical Society, Member of Pakistan Phytopathology Society, American Mycological Society USA.

Dr. Iftikhar Ahmad: IAHS, International Association of Hydrological Sciences. UK Punjab Geological Society

Dr. Nadia Jamil: Life time Member of Chemical Society of Pakistan and Member of Environmentalist Association



Chapter

4

FACULTY DEVELOPMENT

- *Faculty Development Programmes (MS/ PhD Local + Foreign)*
- *Returned Scholars*
- *Present Scholars*
- *Pre-service and in-service Professional Development Programmes*
- *Achievements of Foreign Faculty*

**CHAPTER****4****Faculty Development****Faculty of Arts & Humanities****DEPARTMENT OF ARCHAEOLOGY**

- Faculty development programmes (MS/ PhD local + foreign)
Mr. Muhammad Hameed (Ph.D continue from Germany)
- Present Scholars
- **Mr. Nafees Ahmad (M.Phil Completed)**
- **MS. Saleha Liaqat, Lecturer on Adhoc (M.Phil Archaeology in progress)**
- **MS. Sha Bano, Lecturer on Adhoc (M.Phil Archaeology in progress)**

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- Faculty Development programs (MS/Ph. D Local + Foreign) for the year 2014-15)
One faculty members completed their Ph.D.

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Faculty Development Programmes (MS/PhD Local + Foreign)**
- **Present Scholars**
- Khurshid Alam, Ph. D scholar at the English Department, PU.
- Ms. Mariam Zia, Ph.D in progress at University of Sussex, UK.
- Ms. Amna Umer Cheema, Ph.D in progress at University of Leeds, UK.
- **Pre-Service and In-Service Professional Development Programmes**
- Postgraduate Diploma in English Language Teaching (PGD-ELT)
- Diploma in Linguistics
- Spoken English Certificate

DEPARTMENT OF PHILOSOPHY

- Faulty development programmes (MS/ PhD local + foreign) **(for the year 2014-15)**

1.	Muhammad Jawwad Assistant Professor	Doing Ph.D	Local
2.	Ms Sehreen Far Bukhari Lecturer	Doing Ph.D	Local



3.	Mr. Saad Malook Lecturer	Doing Ph.D	Foreign
----	-----------------------------	------------	---------

- Present Scholars ---PhD (5 Scholars) (M.Phil. -- 15 Scholar)
- Pre-service and in-service professional development programmes

The following departmental official staff has got professional training in this programme.

Name of Trainee	Designation	Place of Professional Training	Duration
Kaiser Mehmood	Sr. Librarian	Indigenous on Campus training under Modern University Governance program at Institute of Applied Psychology, Punjab University, Lahore	17.08.2015 To 19.08.2015
Ch. Muhammad Arshad	Admin Officer	Indigenous on Campus training under Modern University Governance program at Institute of Applied Psychology, Punjab University, Lahore	17.08.2015 To 19.08.2015

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Present Scholars : Two teacher enrolled in M.Phil leading to Ph.D Program and Three teachers enrolled in Ph.D

DEPARTMENT OF POLITICAL SCIENCE

- Present Scholars
Shabbir Ahmad Khan (Assistant Professor)
Mr. Muhammad Sajid (Assistant Professor)
Mr. S. Dayyab Ali Gillani (Lecturer)

DEPARTMENT OF SOCIAL WORK

- Present Scholars:

The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of Peshawar.

Sr. No	Name and Designation	Remarks
1.	Ms. Bushra Naheed, Assistant Professor	Writing Ph.D. Thesis



2.	Ms. Aliya Khalid, Assistant Professor	Writing Ph.D. Thesis
3.	Ms. Raazia Hassan Naqvi, Lecturer	Writing Ph.D. Thesis

The following faculty members are enrolled in Ph.D. Programme at Department of Social Work, University of the Punjab, Lahore.

Sr. No	Name and Designation	Remarks
1.	Ms. Sonia Omer Assistant Professor	In the Second year of Ph.D.
2.	Mr. Muhammad Arshad Assistant Professor	In the Second 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

Pre-service and in-service professional development programs

Higher Education Commission (HEC) On-Campus Indigenous Faculty Development Training Program attended by Dr. Noshina Saleem, Mr. Muhammad Akram Soomro, Mr. Muhammad Shabbir Sarwar, Mr. Fahad Mahmood held in December 2014.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ Present Scholars

In the current period 40 students were enrolled in local M.Phil program, while 15 scholars were working on their PhD dissertations.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

4.1

Faculty Development Programs (MS / Ph.D local + foreign):

Our two lecturer have proceeded to Turkey to pursue their Ph.D. One Assistant Professor is in final stage of his Ph.D at Malaysia. Three Faculty Members are enrolled in Ph.D Program at local institution. Two Faculty Members are in process of completing their dissertation for M. Phil.



- 4.2 **Returned Scholars:**
As soon as our faculty members complete their Ph.D from Malaysia/Turkey. They will return to Pakistan.
- 4.3 **Present Scholars:**
Two (02) Scholars are Pursuing Ph.D abroad. Last year, Mr. Ahmad Muneeb Mehta & Mr. Zargham Ullah Khan started their Ph.D. Five (05) Scholars are pursuing their higher education locally.
- 4.4 **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

4.1 Faculty Development Programme

Our 03 faculty members have been Complete their Ph.D studies in different countries under the HEC Scholarship and Jin the duty. Moreover our 08 faculty members completing their Ph.D from different local and Foreign University. And our faculty members are enrolled in M.Phill and Ph.D programs at different local universities

4.2 Return Scholars	(03)	Dr. Miss Sadia Farooq, Dr.Mrs. Shumaila Ishaq, Dr.Mrs. Muqaddas Rehman
----------------------------	------	--

4.3 Present Scholars 06

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- o Faculty Development programs (PhD local + foreign) **(for the year 2014-15)** Mr.Abid Raza Khan, Ms. Kulsoom Zulfiqar and Ms. Fareena Noor Malhi are study leave to pursue Ph.D. degree in foreign countries.

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..Mariq Faiq Javaid

2.4 Pre-service and in-service professional development programs
Lectures on Apllied Econometircs by renowned scholars

DEPARTMENT OF INFORMATION MANAGEMENT

- Faculty development programs (MS/PhD local + foreign)



Dr. Shafiq Ur Rehman, Dr. Muhmmad Rafiq and Dr. Nosheen Fatima Warriach were selected as Associate Professors in the department.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Creating Awareness and Enhancing Leadership Skills:

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

- **The Site Summit 2015:** The Institute arranged an Entrepreneurship Summit that was held on **14th January 2015** at Royal Palm Golf & Country Club, Lahore.
- **IAS Annual Career Fair 2015:** Institute of Administrative Sciences (IAS) arranged "Career Fair 2015" on April 14th 2015. Thirty four renowned organizations of national and international level participated in the Career Fair.
- **Signing Ceremony of the Memorandum of Understanding (MoU):** The signing Ceremony of Memorandum of Understanding (MoU) between the Institute of Administrative Sciences (IAS) and Chughtai Lab was held on January 22, 2016. This MoU offers a discount of 20% to all faculty, staff and students of IAS and their family/dependents on all clinical tests from Chughtai Lab upon showing their employee/student cards. Alumni can also avail the offer by collecting the discount cards from the institute. The offer is available at all centers across the country. Prof. Dr. Nasira Jabeen, Director IAS, Placement Officers Ms. Sameen Zaki and Ms. Sidra Rashid, Administrative staff and representative of Chughtai Lab were present at the ceremony.
- **Industrial Visit:** IAS arranged an industrial visit for the better exposure of students. Fifty students visited Batapur on **3rd December, 2015** to have an insight about the way things work in real life. Not only students but also their Professor Dr. Shahid A. Zia felt very happy to enhance their knowledge by seeing the tasks handled in different departments of Bata – a name which everyone is familiar with since childhood.
- **Series of Lectures by Prof. Dr. Zafar Iqbal Jadoon:** Prof. Dr. Zafar Iqbal Jadoon delivered a series of insightful lectures on **Designing Relevant and Rigorous Research and Public Administration in Pakistan: Global Trends and Local Realities** in the month of December 2015 for the faculty and graduate students of IAS, University of the Punjab.
- **IAS Graduation 2015:** The institute arranged a graduation ceremony for the graduates of the session 2011-13 from the Programs of Ph.D. in Management, MPhil in Management, Masters of Public Administration (18years), Masters of Human Resource Management, Masters of Health Administration, Master of Marketing and BS (Hons.) in Management (2009-13). Degrees, Gold Medals and Roll of Honors were awarded to the students. On this occasion, as many as 250 degrees were distributed among the graduates. First position holders of each program were awarded with



shields and top five position holders of all programs received the Merit Certificates. University Gold Medals were awarded to the topper students of Master of Public Administration, Master of Human Resource Management and BS Management. After the formal opening of the Graduation ceremony, Director IAS, Prof. Dr. Nasira Jabeen addressed the audience and shared some milestones of the Institute. She emphasized that students of IAS have a huge potential to serve in leading positions in public sector, corporate sector and civil society organizations. She congratulated the teachers, parents and graduating students for their hard work and accomplishment to get to this day. Professor Dr. A.R Jafri and Mrs. Lubna Afzal were guests of honor who awarded the First Dr A. R Jafri Gold Medal for topper of BS (Hons) in Management and First Dr. Muhammad Afzal Gold Medal for topper of Master of Human Resource Management. The Vice Chancellor, University of the Punjab, Prof. Dr. Mujahid Kamran was the chief guest of the event. While sharing his message with graduates, the Vice Chancellor emphasized on importance of undertaking research on real issues and creating indigenous knowledge. He congratulated the graduating students and advised them to serve with professional integrity in their chosen profession. Coordinators of various academic programs, faculty, admin staff and parents attended the ceremony. Towards the end tokens of appreciation were presented and lunch was served in honor of guests and graduates.

- **Lecture on Effective Literature Review in Research:** The resource person of the seminar was Prof. Dr. Khalid Mahmood, Dean of Library Affairs, University of Dammam, Saudi Arabia. The seminar was held on 18th August, 2015 and was highly informative. The audience included academicians, researcher, planners, policy makers, managers and development practitioners attended the seminar. The session was chaired by Mr. Khalid Sultan, Chief (RP) P&DD, and Government of the Punjab. Dr. Khalid Mahmood addressed the audience and educated them about the effectiveness of literature review in research and illustrated the purpose of literature, literature review designs and types of literature in a systematic way. The session was concluded with the question answer session and Punjab Economic Research Institute (PERI) to the audience for making this seminar successful.
- **Samsons Group of Companies Campus Recruitment:** Samsons Group of Companies shortlisted six candidates after Campus Recruitment Activity at IAS for the Position of MTO - Sales. Out of these six candidates, three qualified for the final interview at Samsons Group of Companies.
- **IAS Alumni Reunion 2015:** Institute of Administrative Sciences celebrated its Alumni Reunion on **May 9th 2015**. A large number of worthy IAS graduates including Prof. Dr. Nasira Jabeen – Director IAS, Prof. Prof. Dr. Zafar Iqbal Jadoon, Mr. Hasan Baqar, Mr. Abid Sherwani, Mr. Muhammad Tasleem, Mr. Nawaz ul Haq, Mr. Nasir Javed, Mr. Pervaiz Janjaya, Mr. Feroz Khan, Mr. Mazhar Watto, Ms. Fizza Muzaffar, Ms. Lubna Afzal, Mrs. Kausar Jafri and Mr. Jamil Ahmad Khan attended the program. The program included expressions by worthy alumni members, singing and IAS glimpses video covering the decades of 60s, 70s, 80s, 90s and 20s and a lucky draw.
- **A Seminar on “Perspective of Governance in Pakistan”** was 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

INSTITUTE OF BUSINESS ADMINISTRATION

- **Retuned Scholars**

Dr. Rafia Faiz, Assistant Professor-IBA has successfully completed her Ph.D from University of Hertfordshire, Hatfield, UK under faculty development program and resumed her duties on 09-07-2015.

- **Present Scholars**

Ms. Labiba Sheikh, Assistant Professor is pursuing her Ph.D from Institute of Administrative Sciences, University of the Punjab, Lahore.

Mr. Waseem Subhani, Assistant Professor is pursuing his Ph.D from University of Central Punjab, Lahore.

Ms. Naseem Bukhari, Assistant Professor is pursuing her Ph.D from International Centre for Education in Islamic Finance (INCEIF), Malaysia.

Mr. Zeshan Ahmer, Lecturer is pursuing his Ph.D from University of Hertfordshire, Hatfield, UK.

Ms. Wajiha Kazim, Lecturer is pursuing her Ph.D from Institute of Administrative Sciences, University of the Punjab, Lahore.

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

- a. For the year 2014-15, no HEC scholarships have been awarded to faculty members. One, Erasmus Mundus scholarship was availed by a faculty member. This year, no foreign faculty has visited or given guest lectures at IBIT.
- b. Present Scholars: 12 and 1 research officer.



Faculty of Education

INSTITUTE OF EDUCATION & RESEARCH

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.

1. 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.
2. 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.
3. 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

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

4.1 Faculty Development programs (MS/PhD Local + Foreign)

Currently four (04) faculty members are pursuing their PhDs. Two (02) faculty members are enrolled in the MS. Chemical Engg. from ICET, Punjab University and will finish their degree within one year.

4.2 Returned Scholars

One PhD scholars is returned in this year after completing her degree. The scholar was funded by the University of the Punjab.

4.3 Present Scholars

Four faculty members are enrolled in PhD studies at different universities in foreign universities, out of which one is getting Faculty development scholarship awarded by Punjab University and other two got their PhD grants from Higher Education Commission and foreign universities.

4.4 Pre-service and in-service professional development program

The fresh appointee faculty members are nominated to attend a one-month faculty development program conducted by the University of the Punjab. This year, almost all the faculty members attended "Indigenous On-Campus Training Program for Management Team" which was organized by University of the Punjab, Lahore in collaboration with Higher Education Commission, Islamabad.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

4.1 Faculty Development Programmes (MS/PhD local + foreign).

- Once faculty member of this Institute are working for their Ph.D. degrees in reputed, Malaysian University.

**4.2 Returned Scholars**

Dr. Raza Rafique rejoined Institute In March, 2015 after completing his PhD.

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING**4.1 Faculty Development Programmes (MS/PhD local + foreign):**

The University has adopted a regular scheme for Faculty Development in collaboration with HEC. The scheme provides the opportunity to all regular faculty members to enhance their qualifications by joining suitable higher degree courses (M.Phil./Ph.D.) at home or abroad. The University has allocated 75.00 million rupees in this budget to meet the expenses in this head. Three of our faculty members have been benefited through the same program to pursue their doctoral studies.

4.3 Present Scholars:

At present, Engr. Salman Aziz, Engr. Kashif Mairaj Deen and Engr. Atif Makhdoom are abroad for pursuing their PhD studies on University of the Punjab scholarships.

DEPARTMENT OF ELECTRICAL ENGINEERING**4.1 Faculty Development**

	M.Sc.	PhD
Local	5	0
Foreign	1	4

4.3 Present Scholars: 5

4.4 Professional development programmes: Faculty members has attended 10+ seminars/courses

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

- Faculty development programmes (MS/ PhD local + foreign)
(for the year 2014-15):
 1. **Hafiz Muhammad Usman, Lecturer is in process of completing his Ph.D. in Islamic Studies from International Islamic University, Malaysia.**
- Present Scholars: **1 (Mr. Usman Ahamad)**

DEPARTMENT OF URDU ENCYCLOPAEDIA OF ISLAM**4.4: Pre-Service and in-Service development Programmes:**

- 1- **Dr. Muhammad Arshad** (Senior Editor/ Assistant Professor)
 - 2- **Dr. Hafsa Nasreen** (Senior Editor/ Assistant Professor)
 - 3- **Dr. Zahira Nisar** (Senior Editor/ Assistant Professor)
- Attended and participated in following workshop:**



1- Workshop on "Translation" from Persian to Urdu, 30 March 2015 - 17 June 2015, conducted by Dr. Mueen Nizami, Dr. Muhammad Nasir, Department of Persian.

1- **Dr. Muhammad Arshad**

2- **Dr. Hafsa Nasreen**

Participated in two days workshop on "Technical editing, Translation, Transliteration, Abbreviation etc. conducted by Dr. Saleem Akhtar

SHEIKH ZAYED ISLAMIC CENTRE

○ **Present Scholars**

Dr. Muhammad Ijaz	Director
Dr. Muhammad Abdullah	Associate Professor
Dr. Hafiz Abdullah	Assistant Professor
Dr. Ishtiaq Ahmad Gondal	Assistant Professor
Dr. Hafiz M. Abdul Qayyum	Assistant Professor
Dr. Hafiz Abdul Basit Khan	Assistant Professor
Dr. Samina Saadia	Assistant Professor

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- Faculty development programmes (MS/PhD local + foreign) (for the year 2014-15)
Three Assistant Professors are registered for Ph.Ds
1 faculty members is doing her Ph.D. at the Centre for Clinical Psychology and 2 faculty members are doing their Ph.D. at Department of Applied Psychology, University of the Punjab, Lahore.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

4.1: Faculty Development Programs (MS/ PhD Local + Foreign):

Faculty of the Centre is encouraged for higher studies. At present 12 faculty members are enrolled in Ph.D and three in M.Phil. Faculty members attended the regular courses at the Centre. After completion of course work they are assigned a research program in their relevant field.

4.2: Returned Scholars:

Five faculty members completed their M. Phil/Ph.D and joined their duties.

Sr. No	Name
1.	Ms. Sana Gull
2.	Mr. Muhammad Shafique
3.	Ms. Bushra Ijaz
4.	Ms. Mariam Shahid
5.	Mr. Rashid Bhatti

**4.3: Present Scholars:**

Presently total twelve faculty members are enrolled in Ph.D and three are enrolled in M. Phil.

Ph.D Faculty Members:

Sr. #	Ph. D.
1.	Ms. AneelaYasmin
2.	Ms. Sameera Hassan
3.	Ms. MairaTayyabBaig
4.	Mr. MunimFarooq
5.	MsSiraAzam
6.	Ms. ZahidaQamar
7.	Ms. NailaShahid
8.	Ms. Fatima Batool
9.	Ms. Ayesha Latief
10.	Mr. M. Shahid
11.	Ms. Saba Tasneem
12.	Ms. AbidaShezadi

M. Phil Faculty Members:

Sr. #	M. Phil
1	Muhammad Tariq
2	Mr. Islam Khan
3	Ms. SamraKousar

4.4: 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 QayyumRao 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).
- 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.
- Mr. Shafique (Ph.D student) attended International symposium on Molecular Forensic: Emerging Trends (UHS); May 29, 2014.
- Ms. Samra Kousar (M. Phil student) 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 (M. Phil student) 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 (M. Phil student) attended International Symposium on Molecular Forensic: Emerging Trends May 29, 2014 held at University of Health Sciences, Lahore
- Dr. Bushra Rashid attended as the Member of the National Curriculum Revision Committee to develop the curriculum of Molecular Biology at HEC regional centre, Lahore. October 28-30, 2015
- Dr. Bushra Ijaz attended Next generation Sequencing Data Analysis Workshop on October 28, 2014 held at COMSATS Institute of information Technology Islamabad.
- Ms Samara Kausar (M. Phil student) Next generation Sequencing Data Analysis Workshop on October 28, 2014 held at COMSATS Institute of information Technology Islamabad.

**DEPARTMENT OF ZOOLOGY****4.3 Present Scholars****Ph.D**

Roll No.	Name of Students	Supervisor
ZP15-01	Khalid Mahmood	Dr. Muhammad Akbar Khan
ZP15-02	Khadija Aziz	Dr. Zulfiqar Ali
ZP15-03	Humaira Aziz	Dr. Nabila Roohi
ZP15-04	Hafiza Zubia Dawood	Dr. Asmatullah
ZP15-05	Khadija Awan	Prof. Dr. Javed Iqbal Qazi
ZP15-06	Qudsia Mushtaq	Prof. Dr. Javed Iqbal Qazi
ZP15-07	Muhammad Babar Khawar	Dr. Nadeem Sheikh
ZP15-08	Rabia Mehmood	Dr. Nadeem Sheikh
ZP15-09	Maryam Mukhtar	Dr. Nadeem Sheikh
ZP15-10	Ghanwa Ahmad	Dr. Nabila Roohi
ZP15-11	Tanveer Ali Khan	Dr. Zulfiqar Ali
ZP15-12	Muhammad Ahsan Ashraf	Dr. Zulfiqar Ali
ZP15-13	Aneela Munir	Dr. Najma Shaheen
ZP15-14	Asra Ghaus	Dr. Muhammad Akbar Khan
ZP15-15	Shafaq Nazir	Dr. Zafar Iqbal
ZP15-16	Yasmin Iqbal	Prof. Dr. M. Naeem Khan
ZP15-17	Anum Firoz	Dr. Farah Rauf Shakoori
ZP15-18	Naz Fatima	Dr. Nadeem Sheikh
ZP15-19	Zaman Gul	Dr. Muhammad Akbar Khan
ZP15-20	Muhammad Xaaceph Khan	Dr. Abida Butt
ZP15-21	Shamsa Jabeen	Prof. Dr. Javed Iqbal Qazi

**Ph.D (Inservice Program) 2015**

Roll No.	Name of Students	Supervisor
1.	Muhammad Naeem	Dr. Nabila Roohi
2.	Mr. M. Bilal	Dr. Abida Butt
3.	Zakir Hussain	Dr. Nabila Roohi
4.	Sana Jafar	Dr. Abdul Majid Khan
5.	Gaittee Sahar Joshua	Dr. Zulfiqar Ali
6.	Muhammad Javed Iqbal	Dr. Farah Rauf Shakoori
7.	Zulfiqar Ali Baig	Dr. Nabila Roohi
8.	Ghulam Sarwar	Dr. Abdul Majid Khan
9.	Misbah Jamil	Prof. Dr. Javed Iqbal Qazi
10.	Faheem Nawaz	Dr. Asmatullah
11.	Irfan Saleem	Dr. Zulfiqar Ali
12.	Syed Shakeel Shah	Dr. Abida Butt
13.	Muhammad Arshad	Dr. M. Shafiq Ahmed
14.	Sabila Afzal	Dr. Abida Butt
15.	Dr. Nurash Kamar	Dr. Asmatullah
16.	Syed Shahid Imran Bukhari	Dr. Zulfiqar Ali
17.	Shaher Yar Hassan	Prof. Dr. Javed Iqbal Qazi
18.	Noman Khaliq	Dr. Abdul Majid Khan
19.	Zaira Ahmad	Dr. Nadeem Sheikh
20.	Tahir Mehmood	Dr. Zulfiqar Ali
21.	Suresh Kumar	Dr. Asmatullah
22.	Nasir Hussain	Dr. M. Shafiq Ahmed
23.	Mushtaq Hussain Zahid	Dr. Nabila Roohi
24.	Muhammad Ali	Dr. Nabila Roohi
25.	Syeda Malika	Dr. Asmatullah

**MS/M.Phil (Morning) Session 2015-17**

Roll No.	Name of Students
ZMS15-01	Iqra Hassan
ZMS15-02	M. Tahir Waseem
ZMS15-03	Raheela Tahir
ZMS15-04	Hafiz M. Awais Sarwar
ZMS15-05	Rabia Tanveer
ZMS15-06	Fiza Sanaullah Khan
ZMS15-07	Amina Amin
ZMS15-08	Saba Khalid
ZMS15-09	Badr un Nisa Khan
ZMS15-10	Kiran Abdul Sattar
ZMS15-11	Hafiza Saba Majeed
ZMS15-12	Rabia Talib
ZMS15-13	Mehwish Rana
ZMS15-14	Safoora Ashraf
ZMS15-15	Mehmoona Maqsood

Roll No.	Name of Students
ZMP15-01	Rukkaya Alam
ZMP15-02	Iqra Mushtaq
ZMP15-03	Saliha Khalid
ZMP15-04	Asmat Salamat
ZMP15-05	Rabia Afzal
ZMP15-06	Fatima Jabeen
ZMP15-07	Attia Iniyat
ZMP15-08	Qurat ul Ain
ZMP15-09	Nadira Kausar
ZMP15-10	Anam Saif
ZMP15-11	Saira Ambreen
ZMP15-12	Aqsa Rehmat
ZMP15-13	Maria Razzaq
ZMP15-14	Iqra Younas
ZMP15-15	Asif Ali Jutt

**MS/M.Phil Evening Session 2015-17**

Roll No.	Name of Students
ZMSP15-01	Fajr Basit
ZMSP15-02	Bilal Javed
ZMSP15-03	Sobia Rabeel
ZMSP15-04	Wafa Gulzar
ZMSP15-05	Zahra Habib
ZMSP15-06	Muhammad Husain
ZMSP15-07	Komel Ahmed
ZMSP15-08	Asma Fate hullah
ZMSP15-09	Tahira Nizam
ZMSP15-10	Kanwal Anwar
ZMSP15-11	Bushra Mubashar
ZMSP15-12	Asim Kamran
ZMSP15-13	Asifa Abbas
ZMSP15-14	Naseer Kawish
ZMSP15-15	Maleeha Rafaqat

Roll No.	Name of Students
ZMSE15-01	Atia Rehman
ZMSE15-02	Sidra Khanum
ZMSE15-03	Habiba Ashraf
ZMSE15-04	Sana Amjad
ZMSE15-05	Fariha Mukhtar
ZMSE15-06	Nabila Ishaq
ZMSE15-07	Hamad Hassan
ZMSE15-08	Sibgha Farooq
ZMSE15-09	Sohail Qaiser
ZMSE15-10	Aqsa Khalid
ZMSE15-11	Hafiza Saleha Batool
ZMSE15-12	Itrat Zahra
ZMSE15-13	Mehwish Riaz
ZMSE15-14	Anjum Shaheen
ZMSE15-15	Qurat ul Ain



Roll No.	Name of Candidate
ZMI15-01	Haq Nawaz
ZMI15-02	Hafiz Azhar Hussain
ZMI15-03	Talat Sarfraz Khan
ZMI15-04	Abdul Rehman Anees
ZMI15-05	Muhammad Yaqoob
ZMI15-06	Usman ul Haq
ZMI15-07	Kian Saleem
ZMI15-08	Mudasser Hasan
ZMI15-09	Syed Abdul Majid
ZMI15-10	Ata Mustafa
ZMI15-11	Alia Iqbal
ZMI15-12	Naveed Aslam

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 (152) 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 pre-requisites for admission to this program along with several others. The candidates have to complete initially, a course work of 18 credit hours, followed by comprehensive examinations before commencement of Ph.D. research



project. The Ph.D. Scholar can submit his/her dissertation based upon findings of research work within the period of 3-5 years. The 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.

DEPARTMENT OF BOTANY

- **Faculty development programmes (MS/ PhD local + foreign)**
- A faculty member Dr. Atif Kamran has returned and joined the department in (2015) after completion of their Ph.D degree from foreign country under faculty development program.
- Dr. Muhammad Ishfaq (Lecturer) Department of Botany has done Ph.D in (2015) from University of the Punjab, Lahore.
- In the reporting period two local and one foreign Ph.D faculty members have joined the Department of Botany on contract basis:-
 1. Dr. Sheza Ayaz Khilji (local)
 2. Dr. Syeda Aisha Nazir (local)
 3. Dr. Rabia Ghaffar (foreign)
- **Present Scholars**
 - 20 Scholars were enrolled in MS/M.Phil program.
 - 25 Scholars were enrolled in Ph.D Regular and Old Scheme program

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. Imran Sajid** participated in ASMCUE-2015 Leadership Program for International Microbiology Educators Organized by American Society for Microbiology (ASM), on 28-31 May, 2015 at Austin, Texas, USA.
 3. **Dr Nosheen Zahra Zaidi** Visiting Researcher Fellowship at *Eberhard Karls University, Tübingen*, Germany, awarded by DAAD Re-Invitation Programme for Former Scholarship Holders 2015.
- **Returned Scholars**
 - 1 **Mr Arsalan Sarwar** (PhD Scholar), from Spain.
 - 2 **Mr Ghulam Murtaza** (PhD Scholar), from Australia after availing six month under HEC International Research Support Initiative Program (IRSIP).
- **Present Scholars**
 1. **Muhammad Sarfraz** is in Netherlands for six month under HEC International Research Support Initiative Program (IRSIP).



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

1. The 3rd In-Service Faculty Training Program at University of the Punjab in collaboration with Learning Innovation Division (LID), HEC, was organized at the Department of Microbiology and Molecular Genetics (MMG), on 17-21, November, 2014.
2. **Dr Anjum Nasim Sabri** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 17 – 21 November, 2014.
3. **Dr Sikander Sultan** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 17 – 21 November, 2014.
4. **Dr Zakia Latif** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 17 – 21 November, 2014.
5. **Dr Muhammad Faisal** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, , Dec, 15-19, 2014.
6. **Dr Imran Sajid** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, Dec, 15-19, 2014.
7. **Dr Basharat Ali** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 22 – 26 December, 2014.
8. **Dr Saba Riaz** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, Dec, 15-19, 2014.
9. **Dr Mehboob Ahmed** attended Five days Indigenous On-campus Training Program by PU, Lahore and Higher Education Commission (HEC) Pakistan, 22 – 26 December, 2014.

o **Achievements of Foreign faculty**

Prof. Dr. Simon Silver. Department of Microbiology and immunology. University of Illinois, Chicago. USA . visited Pakistan **23 March -03 April** and have panel discussion with students and faculty members student discussion and delivered a series of seminars on 1). Beyond the Fringe: When Science Moves from Innovative to Nonsense. 30, March , 2015; 2) Out of Africa: Human Genome Diversity and Migration Over the Last 70,000 Years 31,March,2015; 3)Writing and Publishing a Scientific Manuscript: Radical Changes are now Happening. 01 April,2015; 4) Mega viruses. 02 April, 2015.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- o Faculty development programmes (MS/ PhD local + foreign) (**for the year 2014-15**)
 - o **Two faculty members passed their comprehensive exam of Ph D. One has submitted his thesis for viva and other is working on thesis in Department of Sport Sciences & Physical Education.**



INSTITUTE OF AGRICULTURAL SCIENCES

- **Faculty development programmes (MS/PhD local + foreign)**
One Lecturer is presently in foreign country for her Ph.D. studies under Islamic Development Bank (IDB) Ph.D. Program.
- **Returned Scholars**
One faculty member, Dr. Maliha Uroos, has returned and joined the Institute in 2014 after completion of her Ph.D. degree from foreign country under faculty development program.
- **Present Scholars**
 1. Ms. Sana Hanif

INSTITUTE OF APPLIED PSYCHOLOGY

4.1 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.

SCHOOL OF BIOLOGICAL SCIENCES

- Faculty development programmes (MS/Ph.D. local + foreign) **(for the year 2014-15)**
- Most of the faculty members are highly qualified and experienced researchers. They continued with their usual research activities and collaboration with laboratories in foreign Universities (Massachussets, Cornell, UCL, Davis and NIH – Bethesda in USA, Sugarcane Research Unit, Houma, LA, USA, Wales, and Southampton in UK and Kyoto in Japan).
- The School receives foreign faculty members for shorter period of time, who are actively involved in teaching of a particular course and or help in Ph.D. research projects of the students who are working in their areas of expertise.

Faculty of Oriental Learning

DEPARTMENT OF PERSIAN

- Achievements of Foreign Faculty
 - i. A Foreign Faculty Member from Firdousi University Mashhad, Iran taught in the Persian Department for one year regarding memorandum between PU, and Firdousi University, Mashhad, Iran



Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

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

The University College of Pharmacy has continue the faculty development program at the College level.

The University of the Punjab, Lahore is sponsoring 3 Faculty members for Foreign PhD program.

Faculty of Sciences

CENTRE FOR HIGH ENERGY PHYSICS

- Returned Scholars: Dr. Teeba Rashid, Dr. Bushra Kanwal

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

❖ Permanent Faculty Members

Sr. No.	Name	Designation	Degree
1	Dr. Khalida Khan	Director and UNESCO Chair Holder	Applied Geology
2	Dr. Fakhra Shamim	Assistant Professor	Botany
3	Engr. Muhammad Yaseen	Research Officer/Lecturer	Water Resources Engineering
4	MS. Rehana Jamal	Research Officer/Lecturer	Geographical Information system; Geography; Geomatics

❖ Visiting Faculty Members

Sr. No.	Name	Designation	Degree
1	Dr. Zaki Ahmed	Professor Emeritus	Metallurgy
2	Dr. Abid Bodala	Member, P&D	Civil Engineering
3	Dr. Humala Khalid	Former Dean, LCWU	Education and Development
4	Dr. Ashraf Bodla	Director, WAPDA	Environmental Ecology
5	Dr. Amjad Almas	Director, NESCOM	Remote Sensing & GIS
6	Dr. M. Naeem Ch.	SRO, PCSIR	Environmental Quality and Technology Management



7	Mr. Muhammad Ikram	Former Principal, Soil Survey of Pakistan	soil survey using aerial photographs and other remote sensing techniques
8	Mr. Muhammad Ghous	Lecturer; Govt. Science College Wahdat Road, Lahore.	Environment Science
9	Ms. Aneela Azam	Coordinator; Science International, Lahore	Educational Research and Assessment
10	M. Armaghan Khan	Lecturer	Economics/Marketing/Enterprenurs hip

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

Faculty development programmes (MS/ PhD local + foreign): Ms. Yumna Sadaf, Lecturer CEES has gone abroad (Aalborg University, Denmark) for Ph.D. and returned in October 2014 after completing Ph.D Degree.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

4.1. Faculty development programmes (MS/ PhD local + foreign)

- i. 1 faculty member is doing PhD from UK
- ii. 2 faculty members are doing PhD from Malaysia

4.2. Present Scholars

- i. 2 faculty members are registered as PhD student in Punjab University
- ii. 1 faculty member is enrolled in M.Phil at LUMS
- iii. 1 faculty member is enrolled in PhD at The Lahore University

DEPARTMENT OF GEOGRAPHY

- *Faculty development programmes (MS/ PhD local + foreign):*
- *Presently the department is availing the services of Eight regular and Two contractual teachers. Out of these regular teachers six are PhDs (3 foreign & 3 local PhD) while 1 is MPhil. The faculty on contract comprised 1 PhD (Foreign) and 1 M.Phil in qualification.*
- Returned Scholars: (Post Doctorate) 01
- Present Scholars: 05



DEPARTMENT OF MATHEMATICS

- Faculty development programmes (M.Phil./ PhD local + foreign)
 - i. Dr. Saima Arshed, Assistant Professor completed Ph.D. from Department of Mathematics, University of the Punjab, Lahore.
 - ii. Ms. Saira Hameed Lecturer is doing Ph.D. from Department of Mathematics, University of the Punjab, Lahore
 - iii. Ms. Maasoomah Sadaf Lecturer is doing Ph.D from Department of Mathematics , University of the Punjab, Lahore
 - iv. Mr. Zahid Hussain Shamsi, Lecturer is doing Ph.D. from Hanyang University, South Korea.
- Returned Scholars
01
- Present Scholars
03

DEPARTMENT OF PHYSICS

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

Dr. Farzana Tareen (Assistant Professor) has completed her PhD from the Centre of Excellence in Solid State Physics, University of the Punjab, under the PU-HEC Faculty Development Program.
- **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

4.1 Faculty development programmes (MS/ PhD local + foreign)

- i. 1 faculty member on Post Doc Fellow to Australia.
- ii. 1 faculty member is doing PhD from Germany.

4.2 Present Scholars

- i. 8 faculty members (5 regular, 3 contract) are registered as PhD student in PU.

INSTITUTE OF CHEMISTRY

- Returned Scholars - 01

Recently Dr. Muhammad Imran is returned from Germany after the completion of Ph.D



INSTITUTE OF GEOLOGY

FACULTY DEVELOPMENT

4.1 Present Scholars

1. **Rana Ammad Bin Sadiq** (Lecturer) has been pursuing 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 Miraj** (Lecturer) is pursuing PhD Studies at the Ruhr University, Bochum, Germany under Faculty Development Program.

4.4 Pre-service and in-service professional development programs

A number of faculty members of the Institute of Geology participated in the Faculty Orientation Program organized by the Human Resource Development Centre (HRDC) at the Institute of Administrative Sciences scheduled to be held from August 19-22, 2014.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

○ Returned Scholar

Dr. Shahid Fareed
Dr. Farsia Hussain

○ Present Scholars

- Sadia Shahzad
- Mr. Abdul Khaliq
- Muhammad Arif Butt
- Muhammad Idrees
- Mr. Abdul Mateen
- Mr. Hassan Khan
- Muhammad Ahmad Ghazali
- Mr. Laeeq Aslam
- Mr. Kamran Malik
- Syed Muhammad Ali
- Ms. Javeria Iqbal
- Mr. Umer Nawaz
- Ms. Saima Ali
- Rukhsana Kausar
- Aasim Ali
- Kashif Murtaza
- Aisha Khan
- Zobia Suhail



Punjab University Gujranwala Campus

4.1 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, two faculty members are doing PhD and one is doing Post Doctorate from renowned foreign universities on scholarship awarded by the University of the Punjab, Lahore.

4.2 Present Scholars : 3



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 (for the year 2015)

M. Phil 20

Ph.D. 07

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

Name of Program	Male	Female	Total
Ph.D. (Session 2015-20)	5	2	7
M.Phil (Session 2015-17)	10	10	20

- 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 2014-2015	26
Total Number of Faculty Members in Year 2014-2015	8
Faculty Student Ratio	1:3

COLLEGE OF ART & DESIGN

Regular Fee Structure		Bachelor			Master			M. Phil			PhD			PGD			Diploma/Certificate		
Year	Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1st	I	25	79	104	1	29	30	1	19	20	3	6	9			0			0
	II			0			0			0			0			0			0
2nd	III	29	75	104	0	26	26	21	34	55			0			0			0
	IV			0			0	13	18	31	3	3	6			0			0
3rd	V	21	74	95			0	6	30	36	1	2	3			0			0
	VI			0			0			0			0			0			0



4th	VII	17	72	89			0			0			0			0			0
	VIII			0			0			0			0			0			0
5th	IX	18	20	38			0			0			0			0			0
	X			0			0			0			0			0			0
Sub Total (i)		110	320	430	1	55	56	41	101	142	7	11	18	0	0	0	0	0	0

Self-Support Program		Bachelor			Master			M. Phil			PhD			PGD			Diploma/Certificate		
Year	Semester	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1st	I	31	64	95	2	19	21	11	18	29			0	3	13	16	22	67	89
	II			0	1	15	16			0			0			0			0
2nd	III	23	49	72			0	9	13	22			0	11	23	34			0
	IV			0			0			0			0			0			0
3rd	V	19	27	46			0			0			0			0			0
	VI			0			0			0			0			0			0
4th	VII	21	38	59			0			0			0			0			0
	VIII			0			0			0			0			0			0
5th	IX			0			0			0			0			0			0
	X			0			0			0			0			0			0
Sub Total (ii)		94	178	272	3	34	37	20	31	51	0	0	0	14	36	50	22	67	89
Total (i) (ii)		204	498	702	4	89	93	61	132	193	7	11	18	14	36	50	22	67	89
Note: In case of annual system only one row in each year may be filled														G - Total		1145			

- Faculty-student ratio [in tabulated form]

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
40 students (M.A. Archaeology)
21 students (M.Phil Archaeology)
- Gender-wise Detail [in tabulated form for all programmes]
13-Female and 27-Male (M.A. Archaeology)
15-Female and 06-Male (M.Phil Archaeology)



- **Employability [maximum 02 lines]**
Fair opportunities for employment are available with Punjab Govt., Museums, other cultural institution and NGOs.
Students get jobs in Museums and Provincial or federal Department of Archaeology after successful completion of M.A. and M.Phil Degrees.
- **Faculty-student ratio [in tabulated form]**
1=8 students approx. (M.A. Archaeology)
1=7 students approx. (M.Phil. Archaeology)

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Basic Enrolment 728 students**
- **Equity**
- **Gender-wise Detail**

Programme	Male	Female	Total
Ph. D	0	4	4
M.Phil – I	02	13	15
M. Phil – II	0	09	09
MA – I	29	57	86
MA – II	21	49	70
BS-I	17	22	39
BS-II	06	28	34
PGD-ELT	13	39	52
Diploma in Linguistics	18	33	51
Spoken English Certificate (4 session in a year)	207	168	368
Total			728

- **Employability**
Students of the Department of English serve in different fields: government, Semi-government and private sectors, particularly in educational institutions and Civil Services.

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Basic Enrolment - 272**
- **Gender-wise Detail - Male 149 Female 123**
- **Employability - 18**
- **Faculty –Student ratio - 27**

**DEPARTMENT OF PHILOSOPHY**

- Basic enrolment (for the year (2014-15))

The Department of Philosophy is running four academic programmes i.e. (BS, M.A., M.Phil. and Ph.D)

Programme	Duration	Basic Enrollment
B.S. Philosophy (2014-2018)	4-Years	45
M.A. Philosophy (2014-2016)	2-Years	32
M.Phil Philosophy (2014-2016)	2 Years	14
Ph.D (2014-2018)	4 Years	5

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

Programme	Duration	Gender	
		Male	Female
B.S. Philosophy (2014-2018)	4-Years	23	22
M.A. Philosophy (2014-2016)	2-Years	20	12
M.Phil Philosophy (2014-2016)	2 Years	8	6
Ph.D (2014-2018)	4 Years	4	1

- Faculty-student ratio [in tabulated form] (96 Students and 9 Teachers)

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Basic enrolment: 478
- 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	10	60	70	18	29	47	3	16	19	3	7	10
2 nd Year	III				12	38	50	3	16	19	2	5	7
Self Supporting													
1 st Year	I	27	47	74	11	18	29	11	13	24	1	4	5
2 nd Year	III	19	50	69	09	23	34	5	15	20			
Total					478								



- 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

5.1. Basic enrolment

Sr. No.	Program	Total Number of Students Enrolled in 2014-15
1	BS (Hons.) Political Science	59
2	M.A Political Science	50
3	M.A International Relations	55
4	M.A Diplomacy & Strategic Studies	45
5	M.Phil Political Science	15
6	M.Phil International Relations	20
7	Ph.D Political Science	07
8	Ph.D International Relations	15
Total:		266

5.2. Equity Merit

5.3. Gender wise detail

Sr. No.	Program	Gender Wise Enrolled in 2014-15		Total Number of Students
		Male	Female	
1	BS (Hons.) Political Science	33	26	59
2	M.A Political Science	34	16	50
3	M.A International Relations	32	23	55
4	M.A Diplomacy & Strategic Studies	34	11	45
5	M.Phil Political Science	7	8	15
6	M.Phil International Relations	11	9	20
7	Ph.D Political Science	6	1	7
8	Ph.D International Relations	10	5	15
Total:		153	102	266



5.4. Employability

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

5.5. Faculty student ratio

1/55 (10 Faculty members, 551 students)

DEPARTMENT OF SOCIAL WORK

- Basic enrolment (for the year 2014-15):**

	M.SC. SOCIAL WORK 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 SESSION 2014-2016 (TOTAL 15 STUDENTS ENROLLED)	
Male	Female
05	10

PhD SOCIAL WORK (FIRST YEAR) SESSION 2014-2016 (TOTAL 08 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-Year) Communication Studies

Gender wise detail

Male	33
Female	30
Total	63

M.Sc Communication Studies (Morning Program)

Gender wise detail

Male	43
Female	30
Total	73

M.Sc Communication Studies (Replica Program)

Gender wise detail

Male	38
Female	32
Total	70

M.Sc Communication Studies (Development Journalism)

Gender wise detail

Male	35
Female	35
Total	70

M.Sc Communication Studies (Film & TV Production)

Gender wise detail

Male	30
Female	20
Total	50

**M. Phil (Research Track)****Gender wise detail**

Male	04
Female	09
Total	13

M. Phil (Professional Track)**Gender wise detail**

Male	05
Female	20
Total	25

Ph.D**Gender wise detail**

Male	08
Female	07
Total	15

PGD in Development Support Communication**Gender wise detail**

Male	23
Female	13
Total	36

PGD in Television Communication & Production**Gender wise detail**

Male	17
Female	09
Total	26

Total Male Students = 236

Total Female Students = 205

Grand Total = 441

Employability:

Graduate students of Institute of Communication Studies achieves the highest level of employability as compare to other institutions offering media and journalism education.

Faculty-Students Ration:

Total Number of Faculty Permanent Members = 22

Total Number of Visiting Faculty Members = 12

Total Number of Students (Approximately) = 1200

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- Basic enrolment Total number of enrolled students in the current period are 878



NO. OF STUDENTS ENROLMENT BY SEX AND YEAR FOR ACADEMIC SESSION 2014-2015

BS (4-YEARS) SOCIOLOGY & SOCIOCULTURAL STUDIES

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	14	39	31	33	23	45	39	33
Replica	34	37	43	32	37	40	35	44
Evening								

M.SC DEGREE

	1 st Year		2 nd Year	
	M	F	M	F
Morning	43	73	43	80
Replica	163	127	167	87
Evening				

M.PHIL

	1 st Year		2 nd Year	
	M	F	M	F
Regular	12	28	20	20
Replica	48	55	50	50
Evening	23	37	20	35

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	6	4	6	3	3	4				
Replica	07	03								
Evening	13	10	8	7						

- Employability [maximum 02 lines]**

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 [in tabulated form]

Number of teachers	Number of students enrolled	Ratio
17	1688	1:105

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

5.1 **Basic Enrolment:**

At the time of enrolment, our various programs are as under:
(In this respect see enclosed **Annex - "A"**).

5.2 **Equity:**

No discrimination is being made for enrolment in our College. At present Muslims, Hindus and Christians are also studying in our College.

5.3 **Gender Wise Detail:**

In this respect, see enclosed **Annex – "A"**

5.4 **Employability:**

Our graduates have so far been well accepted in Banks, Corporate Sector Insurance Sector, Central Supervisor Services and Government entities. We are also making efforts to increase the employability possibilities for their employment abroad. Some of them have procured jobs in Singapore, Switzerland, Middle East, South Africa etc. Our alumni hold top positions in financial sector.

5.5 **Faculty Student Ratio:**

Faculty – Student Ratio is: 1 (Faculty): 100 (Students)
The gap is being filled by associating part-time teachers.

ANNEX – A

BASIC ENROLMENT

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

Program	Session	Semester	Girls	Boys	Total
BBA (Hons)	2015-19	Ist Semester	35	40	75
BBA (Hons)	2014-18	4 th Semester	31	47	78
BBA (Hons)	2013-17	6 th Semester	28	24	52
BBA (Hons)	2012-16	8 th Semester	25	42	67
Total			119	153	272

**MBA Banking & Finance** (3.5 Years Morning Program)

Program	Session	Semester	Girls	Boys	Total
MBA	2015-19	Ist Semester	35	41	76
MBA	2014-18	4 th Semester	34	44	78
MBA	2013-17	6 th Semester	33	42	75
MBA	2012-16	7 th Semester	25	47	72
MBA (MS)	2014-16	2 nd Semester	17	27	44
Total			136	201	355

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

Program	Session	Semester	Girls	Boys	Total
EMBA	2014-18	3 rd Semester	21	131	452
EMBA	2013-17	5 th Semester	32	109	141
EMBA	2012-16	7 th Semester	32	105	137
EMBA	2011-15	Last Semester	24	108	132
Total			109	453	562

BBA (Hons) Insurance & Risk Management (Four YearsProgram)

Program	Session	Semester	Girls	Boys	Total
BBA (Hons)	2015-19	Ist Semester	38	26	64
BBA (Hons)	2014-18	4 th Semester	24	42	66
BBA (Hons)	2013-17	6 th Semester	35	32	67
BBA (Hons)	2012-16	8 th Semester	31	30	61
Total			128	130	258

MBA Insurance & Risk Management (3.5 Years Morning Program)

Program	Session	Semester	Girls	Boys	Total
MBA	2015-19	Ist Semester	38	35	73
MBA	2014-18	4 th Semester	31	39	70
MBA	2013-17	6 th Semester	34	35	69
MBA	2012-16	7 th Semester	33	31	64
MBA (MS)	2014-16	2 nd Semester	13	11	24
Total			149	151	300

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

Program	Session	Semester	Girls	Boys	Total
EMBA	2014-18	3 rd Semester	28	113	141
EMBA	2013-17	5 th Semester	36	110	146
EMBA	2012-16	7 th Semester	31	97	128
EMBA	2011-15	Last Semester	34	104	138
Total			129	424	553

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 .

5.3 Gender wise Detail							
Program		No. of students admitted				No. of Seats sectioned	
		Merit		Reserved		Merit	Reserved
		M	F	M	F		
Bachelor B. Com (4 Yrs)	Morning	107	112	28	7	264	41
	Replica	119	109	7	2	284	16
	Evening						--
Master M. Com (3½ years)	Morning	47	37	8	1	86	10
	Replica	55	39	--	--	94	04
	Evening	--	--	--	--		--
M. Com (1½ years)	Morning	23	27	--	--	50	--
	Replica	55	25	--	--	50	--
	Evening	--	--	--	--		--
M.Phil.	Morning	8	12			20	--
Ph.D.	Morning	--	--	--	--	20	--
Diploma		--	--	--	--	--	--
Certificate		--	--	--	--	--	--

**5.5. Faculty Student Ration**

No of Budgeted Post		No. of Faculty Member actually present Permanent Contractual		No. of Ph.D Teachers	No. of Non-Ph.D Teachers	Programs running in the College Programme No. of Students	
Professors	03	02	01	03	00	B.Com (Hons.) Various Semesters	2057
Associate Professors	06	01	00	01	00	M.Com 3 ½ years Various Semesters	1229
Assistant Professors	15	17	03	09	11	M.Com 1 ½ years	272
Lecturers	18	02	10	00	12	M.Phill Ph.D	20 20

Faculty of Economics & Management Sciences**DEPARTMENT OF ECONOMICS**

- 5.1 Basic enrolment (for the year 2014-15)
 5.2 Equity
 5.3 Gender-wise Detail (in tabulated form for all programmes)

Student Enrolment

Regular Fee Structure	Semester	M.Sc. (Morning)			M. Phil (Morning)			Ph.D		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1st Year	I	20	56	76	7	13	20	4	6	10
	II	0	0	0	0	0	0	0	0	0
2nd Year	III	18	56	74	7	13	20	0	0	0
	IV	0	0	0	0	0	0	0	0	0



3 rd Year	V	0	0	0	0	0	0	3	3	6
	VI	0	0	0	0	0	0	0	0	0
4 th Year	VII	0	0	0	0	0	0	6	3	9
	VIII	0	0	0	0	0	0	0	0	0
Total		38	112	150	14	26	40	4	6	25

Self-supporting Programs	Semester	M. Phil Self Supporting			M.Sc. Replica			MBEcon			PGDAE		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1st Year	I	10	30	40	27	46	73	22	51	73	32	29	61
	II	0	0	0	0	0	0	0	0	0			
2nd Year	III	0	0	0	23	42	65	16	56	72			
	IV	0	0	0	0	0	0	0	0	0			
Total		10	30	40	50	88	138	38	107	145	32	29	61

Program	Ph.D	M. Phil (Morning)	M.Phil (Self Supporting)	M.Sc. Morning	M.Sc. Replica	MBEcon	PGDAE	Total Students of Department
Total Student	25	40	40	150	138	145	61	599

- Faculty-student ratio is 45 student per teacher

**DEPARTMENT OF INFORMATION MANAGEMENT**

- **Basic enrolment**

Sixty seven students got admission in Masters (Morning & Afternoon) program, 10 in M.Phil and five enrolled in PhD.

- **Gender-wise Detail**

Program	Male	Female	Total
M.A (Morning, Afternoon)	25	45	70
MPhil Regular	6	7	13
PhD	10	5	15

- **Employability**

The Department regularly conducts surveys to know the job market of its graduates and the needed competencies. Efforts have been made to improve the job market and quality of the program,

Faculty-student ratio

There were 8 teachers available during this year. The student ratio was 1:12 .The department hired visiting faculty members to meet the deficiency

INSTITUTE OF ADMINISTRATIVE SCIENCES

ADMISSION ENROLLMENT YEAR 2014					Dropped Students	
Sr. No	Name of Program	Shift	Total Application Received	Enrollment	Due to Demerit	Due to Financial Constraint
1	M.Phil Management	Regular	930	16	1st Semester in process, Midterm exams are scheduled after winter vocation	
2	MPA (18 years)	Regular		25		
3	Master of HRM	Regular	958	61		
4	Master of HRM	Replica		61		
5	BS (4 years) Management	Regular	783	85		
6	BS (4 years) Management	Replica		86		
7	MPA (18 years)	Evening	120	Admission in process		
8	Master of HRM	Evening	230			
9	Master of Marketing	Evening				
10	Master of Health Administration	Evening				

334



FALL SEMESTER 2014 (Sep 2014 to Feb 2015)

Faculty Institute			Management & Economics Administrative Sciences						
Detail of Enrolled Students						Merit Scholarship Distributions Year 2014-2015			
Bachelor (Morning)						Students Scholarship			
Semester	Session	BS	Male	Female	Total				
I	2014-2018		23	64	87				
III	2013-2017		15	45	60				
V	2012-2016		22	44	66				
VII	2011-2015		14	48	62				
Total					275				
Bachelor (Self-supporting)									
Bachelor									
Semester	Session		Male	Female	Total				
I	2014-2018		37	47	84				
III	2013-2017		15	41	56				
V	2012-2016		20	36	56				
VII	2011-2015		24	35	59				
Total					255				
Semester	Session	Mphil	MPA	HRM	Total				
I	2014-2016	16	25	61	102				
III	2013-2015	14	25	53	92				
Total					194				
Master (self-supporting)									
Semester	Session	Mphil	MPA	HRM	Total				
I	2014-2016			60	50				
III	2013-2015			44	44				
					94				
Total					94				



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

Sr. No.	Program	Male	Female	Total
1	Ph.D in Business Administration	10	9	19
2	M.Phil in Business Administration	12	27	29
3	MBA ½ Years (Morning)	54	74	128
4	BBA Hons (Morning)	94	134	228
5	BBA Hons (Afternoon)	95	124	219
6	MBA (Evening)	377	45	422
7	PGD (Evening)	63	16	79
Total		705	429	1134

- Employability [maximum 02 lines]**

About 75%.

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

No. of Faculty (permanent/contract)	No. of Student (Morning programs)	Faculty-student Ratio
14	414	1:29

Faculty of Education

DEPARTMENT OF SPECIAL EDUCATION

- Basic enrolment in M.A. M.Phil in Special Education (for the year 2014-15)

M.A.Program	Male students	Female students	Total Number of students
Morning	13	50	63
Self-supporting	11	49	60
M.Phil	2	13	15

- Employability

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

**INSTITUTE OF EDUCATION & RESEARCH**

- **Basic Enrolment for the year 2014-15**

Program		No. of Students Admitted
Bachelor	Morning	200
	Replica	131
Master	Morning	462
	Replica	298
Ph. D		37
M. Phil		129

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

BACHELOR DEGREE	1 st Year		2 nd Year	
	M	F	M	F
Morning	25	175	6	87
Replica	14	117	14	122
MASTER DEGREE				
Morning	92	370	55	333
Replica	72	226	38	238
M.PHIL LEADING TO PH.D DEGREE				
Regular	11	60	10	38
Replica	11	47	07	24
Ph.D	12	25	--	05

- **Employability (maximum 02 lines)**

Our graduates have opportunities for getting jobs, in School Education Department, Colleges or Universities level as well as in private sector.

- **Faculty-Student Ratio**

Faculty		Student Morning	Student Evening	Overall
Type	No.			
Regular	43	1262	930	2192
Contract	2			
Visiting	20			
Total	65			
Student Teacher Ratio		1:19.41	1:14.30	1:33.72



Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Basic Enrolment: 125
Gender-wise Detail: Male = 73 Female = 52
Employability: About 60% (employability in male students = 100%)
Faculty-Student Ratio: 1:17.85

DEPARTMENT OF POLYMER ENGINEERING & TECHNOLOGY

- Basic enrolment **(for the year 2014-15)** **59**
- Equity
- Gender-wise Detail **[in tabulated form for all programmes] ----- M.40, F.19**
- Employability **[maximum 02 lines] -----**
 Students after completion of degree programmes are being now employed in different industries and are working. Moreover a number of students also got scholarships on the basis of our degree programme and are doing Ph.D in international Universities of Austria, Uk & Germany.
- Faculty-student ratio **[in tabulated form] ----- 1:10**

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

5.1 Basic Enrolment

4-years B.Sc Chemical Engineering program enrollment 2015

	Applicants	Enrolled	
2-			year M.Sc
	Morning	2178	63
	Evening	1335	46

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

Applicants	Enrolled
249	56

PhD (Engg.) Chemical Engineering program enrollement 2015

Applicants	Enrolled
11	06

5.2 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.

**5.3 Gender-wise detail**

4-year B.Sc Chemical Engineering program enrollment 2015

	Male	Female
Morning	54	09
Evening	46	00

2-years M.Sc Chemical Engineering Program enrollment 2015

Male	Female
46	10

PhD (Engg.) Chemical Engineering program enrollement 2015

Male	Female
05	01

5.4 Employability

The graduates of the Institute are serving in industrial sector as well as R & D organizations in Pakistan and abroad. Career Counseling cell is established at Institute level & recruitment drives are been conducted every by different organizations.

5.5 Faculty-student ratio

4-year B.Sc Engineering Program and 2-years M.Sc. Engineering Program

Program	B.Sc Engineering	M.Sc Engineering
Student Teacher Ratio	20:1	10:1

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

5.1 Basic enrolment: Overall 239 students were enrolled in 2014 session

5.2 Equity:

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

Programme	Male	Female	Total
BSc Industrial Engineering	39	05	44
MSc Quality & Performance Management	06	05	11
MS Total Quality Management	65	33	98
MS Industrial Engineering & Management	43	02	45
PhD Total Quality Management	10	5	15
Certificate/Diploma	06	03	09

5.4 Employability [maximum 02 lines]

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.

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

Programme	Faculty-Student Ratio
BSc Industrial Engineering	1:6.69
MSc Quality & Performance Management	1:3
MS Total Quality Management	1:23
MS Industrial Engineering & Management	1:11
PhD Total Quality Management	1:3
Certificate/ Diploma	1:1

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING**5.1 Basic Enrollment (for the year 2014-15):**

Program		No. of Students Admitted		No. of Seats Sectioned	
		Merit	Reserved	Merit	Reserved
Bachelor	Regular Program	31	10	31	15
	Self-Supporting Program	31	--	31	--
Ph. D		15	--	30	--
M. Phil / M.Sc. (Engg.)		20	--	40	--

5.2 Equity:**5.3 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
Regular Program	36	5	45	6	42	4	46	4
Self-Supporting Program	27	4	40	4	29	5	42	3

M.Phil / M.Sc. (Engg.) Degree

	1 st Year		2 nd Year	
	M	F	M	F
Evening	17	3	19	--

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	14	1	--	--	--	--	--	--	--	--

**5.4 Employability:**

Most of our graduates get jobs in Govt. and private sector. In Govt. sector, our students are serving in Pakistan Atomic Energy Commission, Pakistan Steel Mills, Heavy Mechanical Complex, NDC, AWC, Wah Ordinance factory, etc. In Private sectors, our students are serving in Descon, Steel mills, Foundaries, Plastic industry, Rolling mills, etc. Every year, a good proportion of our students also obtain jobs in Middle East.

5.3 Faculty-Student Ratio:

Department	Total Students in Undergraduate Program	No. of Teachers	Student-Teacher ratio
Metallurgy and Materials Engineering	185 (Regular Programme) 155 (Self-Supporting Programme)	16	11.56:1 (RP) 9.68:1 (SS)

DEPARTMENT OF ELECTRICAL ENGINEERING

Basic Enrollment: 43 Students Intake (B.Sc. Electrical Engineering)

5.2 Equity: Morning only

5.3 Gender-wise Detail

1 st Year		2 nd Year		3 rd Year		4 th Year	
M	F	M	F	M	F	M	F
36	7	53	9	56	9	47	9

5.4.1 Employability: Previous trend shows that average time to find a job is around 4 months. Generally a freshly employed student gets around 25K per month starting salary. Our ex-students are currently working in many government and multinational organizations.

5.5 Faculty Student Ratio:

Total number of students	226
Total number of dedicated teachers	12
Faculty-student ratio	19:1

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Basic enrolment (for the year 2014-15)
 1. **104 students are studying in M.A. Islamic Studies Part-I & 95 in Part-II and 61 Students are studying in M.A Islamic Studies Self-Supporting Program.**
 2. **30 students are studying at M.Phil level.**
 3. **15 students are enrolled in Ph.D.**



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

Sr. No.	Name of Programme	Number of Students	Male	Female
1	M.A. Part-I	104	13	91
2	M.A. Part-II	95	15	80
3	M.A Part-I (Self-Supporting)	61	03	58
4	M.Phil	29	18	11
5	Ph.D.	15	08	07

- Employability [maximum 02 lines]

Sr. No.	Name of Programme	Number of Students	Teacher	Ratio
1	M.A. Part-I	104	7	14.85
2	M.A. Part-II	105	7	15.00
3	M.A Part-I (Self-Supporting)	61	7	8.71
4	M.Phil	29	7	4.14
5	Ph.D.	15	6	2.50

- Faculty-student ratio [in tabulated form]

SHEIKH ZAYED ISLAMIC CENTRE

- Basic enrolment (for the year 2014-15)**
BS Islamic Studies **413**, M.Phil. **36** and Ph.D.**47**

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

Classes	Male	Female	Total
BS Islamic Studies	180	233	413
M.Phil. Islamic Studies	19	17	36
Ph.D. Islamic Studies	38	9	47

- Employability** [maximum 02 lines]
8 faculty members and 53 employees are working at Sheikh Zayed Islamic Centre, University of the Punjab, Lahore.
- Faculty-student ratio** [in tabulated form]
According to the budget estimates 2014-2015, the faculty-student ratio is 1:62



Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- Basic enrollment **(For the year 2014-15)** 2701
- Equity
- Gender-wise Detail Male 2234 Female 467
- 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 24

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- Basic enrolment (for the year 2014-15)

Sr. No.	Name of Programme	No. of Seats Per Year
1	Ph.D. in Clinical Psychology	10
2	MS Programme in Clinical Psychology	20
3	MS in Speech & Language Pathology	30
4	Advanced Diploma in Clinical Psychology (Morning)	20
5	Advanced Diploma in Clinical Psychology (Replica)	15
6	BS (Hons.) in Clinical Psychology	35

- Gender-wise Detail

Sr. No.	Name of Programme	Male	Female	Total
1	Ph.D. in Clinical Psychology	1	8	9
2	MS Programme in Clinical Psychology	0	30	30
3	MS in Speech & Language Pathology	0	28	28
4	Advanced Diploma in Clinical Psychology	2	33	35
5	Advanced Diploma in Clinical Psychology (Replica)	0	6	6
6	BS (Hons.) in Clinical Psychology	11	110	121

- **Employability**

The degree holders are appointed as Clinical Psychologists in different teaching hospitals, Pakistan Army, Private Organizations and different fields in government and private setups.

- Faculty – student ratio
1:16

**CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY****5.1: Basic Enrolment:**

Fifty six were enrolled

M.Phil= 40 Ph.D=16

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

M. Phil			Ph.D		
Male	Female	Total	Male	Female	Total
11	29	40	7	9	16

5.3: Employability:

Employability of the graduate from this Centre is applicable to the research, teaching, public / private sectors.

5.4: Faculty-Student Ratio:

Number of Faculty Member	Number of Students	Faculty Student Ratio
38	65	1:1.71

DEPARTMENT OF ZOOLOGY**5.1 Basic enrolment****Regular Scheme (Morning)**

	Bachelor			Master			M.Phil/ M.S.			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	5	47	52	-	-	-	-	-	-	-	-	-
Part-II	-	-	-	5	43	48	-	-	-	-	-	-	-	-	-
1 st semester	5	24	29	-	-	-	3	27	30	-	-	-	-	-	-
3 rd Semester	3	24	27	-	-	-	3	27	30	-	-	-	-	-	-
5 th Semester	3	26	29	-	-	-	-	-	-	-	-	-	-	-	-
7 th Semester	3	36	39	-	-	-	-	-	-	-	-	-	-	-	-
Total:	14	110	124	10	90	100	6	46	58	-	-	-	-	-	-

Self Supporting (Evening)

	Bachelor			Master			M.Phil/L.L. M			Ph.D.			Dip. Cert.		
Part	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Part-I	-	-	-	7	53	60	1	2	4				-	-	-
							3	9	2						



Part-II	-	-	-	3	57	60	4	2	3	-	-	-	-	-	-
							6	0							
Total:	-	-	-	10	110	120	1	5	7	-	-	-	-	-	-
							7	5	2						

5.2 Equity**5.3 Gender-wise Detail**

See 4.3 to 5.1

5.5 Faculty-student ratio

Students : Faculty
20 : 1

DEPARTMENT OF BOTANY

- **Basic enrolment** (for the year 2014-15)

Programme	Students
BS	25
M.Sc.	42
MS	10
M.Phil	10
Ph.D Regular	14
Ph.D old scheme	11

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

All Programmes	Male	Female
Bachelor Morning 1 st Year (1 st – 2 nd Semester)	--	
2 nd Year (3 rd – 4 th Semester)	--	17
3 rd Year (5 th – 6 th Semester)	02	16
4 th Year (7 th - 8 th Semester)	02	19
Master Morning 1 st Year (1 st – 2 nd Semester)	02	39
2 nd Year (3 rd - 4 th Semesters)	03	38
M. Phil 1 st Year (1 st – 2 nd Semester)	01	09
2 nd Year (3 rd - 4 th Semester)	--	10
MS 1 st Year (1 st – 2 nd Semester)	02	08
2 nd Year (3 rd – 4 th Semester)	--	10
PhD	04	21

- **Employability** [maximum 02 lines]

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.



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

Total Students	Faculty	Ratio
112	21	5.33

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- o Basic enrolment

Programme	Students
M.Sc. 2014	35
M.S. 2014	15
M.Phil. 2014	15
Ph.D. 2014	16

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

	Bachelor			Master			M.S/M.Phil			Ph.D.		
Year/Semester	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 st Semester	03	32	35	01	34	35	07	23	30	07	09	16
2 nd Semester												
3 rd Semester	02	30	32	01	28	29	05	13	18	03	08	11
4 th Semester												
5th Semester	04	35	39							04	06	10
6th Semester												
7th Semester	01	18	19							02	06	08
8 th Semester												
9 th Semester										04	09	13
10 th Semester												
12 th Semester										05	07	12
Sub-Total	10	115	125	02	62	64	12	36	48	25	45	70
Total Students	307											



- o Employability [maximum 02 lines]
 - o The graduate and postgraduates from this department are absorbed in hospitals, diagnostic laboratories , pharmaceuticals, food industry, research organization, universities and education department.
 - o Provide technical assistance for different instrumentation to sole agents and suppliers
 - o Our Alumini has also setup their own diagnostic Laboratories in different cities Alumini has also hired in international universities and organizations.
 - o Many students got scholarships and positions in national and international research organizations.
- o Faculty-student ratio [in tabulated form]

Students	Faculty	Ratio
307	24	12.79

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- Basic enrolment (for the year 2014-15)
M.Sc. Physical Education
- **Total 67 Students enrolled in Morning**
- **Total 43 Students enrolled in Evening**
- o BS Physical Education
- o **Total 110 students enrolled in BS Physical Education**
- Gender-wise Detail [in tabulated form for all programmes]
- **M.Sc. Physical Education**
- **Morning Male: 32 Female: 35**
- **Evening Male: 25 Female: 18**
- **BS Physical Education**
- **Male: 65 Female: 45**
- Employability [maximum 02 lines]
There is 70% passed out students selected as Lecturer and PET in education department and other working in leading private organizations.
- Faculty-student ratio [in tabulated form]

INSTITUTE OF AGRICULTURAL SCIENCES

- o **Basic enrolment**

BS (Hons.)	606
M.Sc. (Hons.)	140
M.Sc. (Hons.) Leading to Ph.D.	01
Ph.D.	103



○ **Gender-wise Detail**

[in tabulated form for all programmes]

BS (Hons.)	266 (Male)	340 (Female)
M.Sc. (Hons.)	81 (Male)	59 (Female)
M.Sc. (Hons.) Leading to Ph.D.	00 (Male)	01 (Female)
Ph.D.	53 (Male)	50 (Female)

○ **Employability** [maximum 02 lines]

There is lot of chances for the students to search their jobs in the field of Agriculture and equal opportunities in all other related fields. Now our students are being accepted for all jobs in private and Government organizations.

○ **Faculty-student ratio**

[in tabulated form]

BS (Hons.)	1:7
M.Sc. (Hons.)/	
M.Sc. (Hons.) leading to Ph.D.	1:6
Ph.D.	1:5

INSTITUTE OF APPLIED PSYCHOLOGY

5.1 Basic Enrolment

5.2 Equity

From the session 2014-15, 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

5.3 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
	Semester-III	00	00
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	00	00
	Semester-II	01	03

5.4 Employability

Our graduates are serving in wider settings, i.e. Universities, Colleges, Special Education Institutes, Hospitals, NGOs, Armed Forces, Pakistan Navy and also as Consultants. Employability is quite high and they working as academicians, researchers and as private practitioners.

5.5 Faculty-student ratio

No. of Faculty	No. of Students	Ratio
14	433	1:31

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Basic enrolment (2014-15)

Name of Program	Enrolment
BS Biochemistry	45
BS Biotechnology	45
M. Sc. Biochemistry/ Biotechnology	34
MS Biochemistry	15
MS Biotechnology	15
Ph. D	12

Gender-wise Detail

Regular Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Part-I	1 st	6	64	70	4	30	34	5	26	30	3	9	12
Part-II	3 rd	6	68	74	2	33	35	5	35	40	4	17	21
Part-III	5 th	10	77	87	0	0	0	0	0	0	2	5	7
Part-IV	7 th	8	59	67	0	0	0	0	0	0	0	5	5
Sub-Total (i)		23	258	298	6	63	69	10	61	71	9	36	45



Self-support Program Fee		BS 4 Years			Master			MS			Ph. D.		
Semester		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Part-II	3 rd	13	87	100	0	0	0	0	0	0	0	0	0
Total (i + ii)		38	347	385	6	63	69	10	61	71	9	36	45

Employability

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

Faculty-student ratio

Class	Regular Faculty	Students	Students ratio
BS	30	385	13
M. Sc.	19	69	4
MS	18	71	4
PhD	7	12	2

SCHOOL OF BIOLOGICAL SCIENCES

- Basic enrolment (for the year 2014-15)

- **Ph.D. Students**

S #	Roll No.	Students Name
01.	1401	Huma Tariq
02.	1402	Abdul Basit
03.	1403	MehreenAnjum
04.	1404	Mubashar Ahmad
05.	1405	BasitJabbar
06.	1406	Noor Muhammad
07.	1407	Nasir Mehmood
08.	1408	SadafSulman
09.	1409	Asif Ali
10.	1410	ShaistaArif

- **M.Phil Students**

S #	Roll No.	Students Name
11.	1411	Saba Fatima
12.	1412	Ayesha Aslam
13.	1413	Alina Gul
14.	1414	ToobaZahid
15.	1415	Iqra Hussain
16.	1416	Hira Nizam
17.	1417	Farhana Ibrahim
18.	1418	Momna Butt
19.	1419	Khadija Waqar



20.	1420	Ayesha Pervaiz
21	1421	Hamayun Arshad
22.	1422	Amina Younas
23.	1423	Shabana Malik
24.	1424	TayyabaRubab
25.	1425	Sidra Mustafa

Faculty of Oriental Learning

DEPARTMENT OF ARABIC

- Basic enrolment
Total Enrolled Students = 234
- Equity
- Gender-wise Detail
Male = 109, Female = 125
- Employability
One male appointed as Naib Qasid in department of Arabic, University of the Punjab, Lahore.
- Faculty-student ratio
1 Teacher = 23 Students

DEPARTMENT OF KASHMIRYAT

- Basic enrolment (2014-15)
 - v. 13 students are admitted in M.A Kashmiryat Part-I for the Year 2014-15
 - vi. 03 students are admitted in Ph. D Kashmiryat in 2014-15

- Gender wise Detail (in Tabulated form for all Program)

Programs	Session	Male	Femele
M. A. Kashmiryat	2014-15	11	02
Ph. D Kashmiryat	2014-15	01	02

- Faculty Student Ratio (in Tabulated form)

Faculty of Kashmiryat

04 Ph.D Teachers

Student Ratio

DEPARTMENT OF PERSIAN

- Basic enrolment (2014-15)
 - 21 students are admitted in M.A Persian Part-I for the Year 2014
 - 26 students are admitted in M.A Persian Part-I for the Year 2015
 - 15 students are admitted in M.Phil Persian (Fall Session) in 2014



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

10 Students are admitted in Ph.D Persian (Fall Session) in 2015

- Gender wise Detail (in Tabulated form for all Program)

Programs	Male	Female
M.A Persian Part-II Session 2014-16	10	11
M.A Persian Part-I Session 2005-17	09	17
M.Phil Persian Part-II (2014-2016 Fall Session)	05	10
M.Phil Persian Part-I	05	15
Ph.D Persian 2009-14	2	-
Ph.D Persian 2010-15	-	08
Ph.D Persian 2011-16	None- Admission	
Ph.D Persian 2012-17	03	05
Ph.D Persian 2013-18 (Spring)	01	01
Ph.D Persian 2014-19	None- Admission	
Ph.D Persian 2015-2010	5	5

- Employability (Maximum 02 Lines)
- Faculty Student Ratio (in Tabulated form)

Faculty of Persian

09 Ph.D Teachers

Student Ratio

DEPARTMENT OF HINDI

Academic Session 2014-15

There were 8 students enrolled in the Diploma in Hindi Language.

DEPARTMENT OF PUNJABI

- Basic enrolment (2014-15)
- i. 29 students are admitted in M.A Punjabi Part-I for the Year 2014-15
- Gender wise Detail (in Tabulated form for all Program)

Programs	Male	Female
M.A Punjabi 2014-15	10	17
M.A Punjabi 2015-16	07	06
M.Phil Punjabi 2015-16	06	09

- Employability (Maximum 02 Lines)
- Faculty Student Ratio (in Tabulated form)

Faculty of Punjabi

08 Ph.D Teachers

Student Ratio

55

DEPARTMENT OF URDU

- Basic enrolment (2014-15)
- ii. 73 students are admitted in M.A Urdu Part-I for the Year 2014-15
- iii. 31 students are admitted in M.Phil Urdu in 2014-15
- iv. 20 students are admitted in Ph.D Urdu in 2014-15



- Gender wise Detail (in Tabulated form for all Program)

Programs	Male	Female
M.A Urdu 2014-16	29	44
M.A Urdu 2015-16	32	38
M.Phil Urdu 2014-16	12	19
M.Phil Urdu 2015-16	18	17
Ph.D Urdu 2010-16	07	09
Ph.D Urdu 2012-17	06	05
Ph.D Urdu 2013-18	03	05
Ph.D Urdu 2014-19	12	08
Ph.D Urdu 2015-16	11	05

- Employability (Maximum 02 Lines)
- Faculty Student Ratio (in Tabulated form)

Faculty of Urdu	Student Ratio
07 Ph.D Teachers and 01 Non Ph.D	280

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

- Basic enrolment (for the year 2014-15)
- Gender-wise Detail

Pharm.D Morning Class			
Year	M	F	Total
1st Prof	44	127	171
2nd Prof	22	100	122
3rd Prof	31	93	124
4th Prof	23	89	112
Final Prof	24	83	107
Sub-Total	144	492	636

Pharm.D Evening Class			
Year	M	F	Total
1st Prof	28	102	130
2nd Prof	24	102	126
3rd Prof	19	96	115
4th Prof	14	86	100
Final Prof	20	82	102
Sub-Total (ii)	105	468	573



M.Phil			
	M	F	Total
Ist Semester	14	42	56
2nd Semester	18	37	55
Total	32	79	111

Ph.D			
	M	F	Total
Ist year	6	13	19
2nd year	9	26	35
3 rd year	10	6	16
4 th year	8	2	10
5 th year	12	6	18
Total	45	53	98

- Employability**

The College graduate have good employability. The graduate of the College are serving locally as well as internationally.

- Faculty-student ratio**

Pharm-D (Morning Class)		
Teachers	Students	Ratio
34	636	18.71

Pharm-D (Evening Class)		
Teachers	Students	Ratio
34	573	16.85

M.Phil		
Teachers	Students	Ratio
34	111	3.26

Ph.D		
Teachers	Students	Ratio
13	98	7.53



Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

5.1 Basic enrolment (**for year 2014-15**)

5.2 Equity

5.3 Gender-wise Detail

Sr. No.	Session	Programme	Gender Wise		Total
			Male	Female	
1.	2013-15	M.Phil. Solid State Physics	9	13	22
	2014-16		8	14	22
	2015-17		13	12	25
2	2013-15	M.Phil. Microelectronic Engineering & Semiconductor Physics	7	7	14
	2014-16		4	11	15
	2015-17		6	11	17
3	2013-15	MS. Nanotechnology	4	7	11
	2014-16		6	9	15
	2015-17		4	9	13
4.	2013-2018	Ph.D.	1	1	2
5.	2014-2019		6	4	10
6.	2015-2020		3	4	7

5.4 Employability

These graduates are being employed by Education departments, R&D departments and some go for Ph.D.

5.5 Faculty-student ratio

Sr.	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)	26
○ M.Phil. (Morning)	47
○ Ph. D.	19

- **Gender -wise Detail**

Program	Male	Female
M.Sc. (Morning)	12	14
M.Phil. (Morning)	26	21
Ph. D.	16	03
Total	54	38
G. Total	92	

- **Employability**

The Centre's graduates are highly demanding and are employed in national and international organizations both in public and private sectors. These organizations include:

- Water and Power Development Authority (WAPDA)
- Pakistan Council of Research in Water Resources (PCRWR)
- International Water Management Institute (IWMI)
- Climate Change, Alternate Energy and Water Resources Institute (CAEWRI), NARC, Islamabad.
- Pakistan Agriculture Research Council (PARC), Islamabad.
- Soil Conservation Department
- Pakistan Tourism Development Cooperation
- Sustainable Tourism Foundation of Pakistan
- Urban Unit Department
- Environment Protection Agency
- Forest Department
- Pakistan Meteorological Department
- Soil Survey of Pakistan
- Survey of Pakistan
- Universities/colleges in Pakistan
- Consulting firms/NGOs as NESPAK, ACE, PES, NDC, WFF and others

- **Faculty-Student Ratio**

No. of Faculty	No. of Students	Ratio
4	92	1:23

**CENTRE FOR UNDERGRADUATE STUDIES**

- Basic Enrollment (Seniors + Juniors)

Discipline	Students
BS (4 Years) Botany	43
BS (4 Years) Chemistry	123
BS (4 Years) Mathematics	68
BS (4 Years) Statistics	121
BS (4 Years) Zoology	54

- Gender-wise details

Discipline	Male	Female
BS (4 Years) Botany	1	42
BS (4 Years) Chemistry	16	107
BS (4 Years) Mathematics	17	51
BS (4 Years) Statistics	30	91
BS (4 Years) Zoology	8	46

- Employability

Category	Number
Librarian	1
Assistant	2
Senior Clerk	1
Senior KPO	1
Junior KPO	1
Junior Clerk	2
Lab Assistant	1
Lab Attendant	4
Library Attendant	1
Store Keeper	1
Naib Qasid	1
Plumber	1
Farash	2
Khakroob	3
Driver	1

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

5.1 Basic enrolment (for the year 2014-15) 1251

5.2 Equity As per rules

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

BACHELOR DEGREE

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



Replica	22	47	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

MASTER DEGREE

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

M.PHIL DEGREE

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

PH.D. DEGREE

	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year	
	M	F	M	F	M	F	M	F	M	F
Regular	4	-	3	3	2	7	5	2	1	5

5.4. Employability [maximum 02 lines]

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

5.5. Faculty-student ratio [in tabulated form]

No. of Faculty	No. of Students	Ratio
18 + 27 = 39 (Permanent / Contract & Visiting)	1251	1:32

**DEPARTMENT OF GEOGRAPHY**

- Basic enrolment : 339
- Gender-wise Detail [in tabulated form for all programmes]

Sr. No.	Programme	Male	Female	Total
1.	BS	96	83	179
2.	M.Sc.	43	91	134
3.	M.Phil	8	13	21
4.	Ph.D.	1	4	5

Level of Education		
	Male	Female
Bachelor Morning 1 st Year (2 nd Semester)	08	28
2 nd Year (4 th Semester)	11	23
3 rd Year (6 th Semester)	04	26
4 th Year (8 th Semester)	02	25
Master Morning [Includes executive courses as well] 16 years of Education:1 st Year	27	47
2 nd Year	25	41
Master Evening 1 st Year	51	30
2 nd Year		
M. Phil 1 st Year(1st Semester and 2 nd Semester)	07	33
2 nd Year(4 th Semester)	05	18
PhD 1 st Year (2 nd Semester)	-	08
Already enrolled	04	17

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. (Maximum 02 lines)



- Faculty-student ratio [in tabulated form]

No. of Faculty Member	No of Students	Ratio
8	339	43.37

DEPARTMENT OF MATHEMATICS

- Basic enrolment 512
- Gender-wise Detail

Employability

Eighteen (18) Teaching Faculty members.

Twenty one (21) Non-teaching staff.

Faculty	Students
18	512

DEPARTMENT OF PHYSICS

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

BACHELOR DEGREE

	1 st Year		2 nd Year		3 rd Year		4 th Year	
	M	F	M	F	M	F	M	F
Morning	18	22	7	24	7	13	3	16
Replica	-	-	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

MASTER DEGREE

	1 st Year		2 nd Year	
	M	F	M	F
MORNING	19	30	14	35
M.Sc. Physics				
REPLICA	-	-	27	17
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	3	1	1	1	1	1	0	1

○ **Employability** [maximum 02 lines]

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

Faculty-student ratio [in tabulated form]

No. of Faculty	No. of Students	Ratio
15+1=16 (Permanent & Contract)	308	19
15+8=23 (Permanent, Contract & Visiting)	308	14

DEPARTMENT OF SPACE SCIENCE**1.1 Basic enrolment**

248

5.3 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	20	12	17	09	17	11	19	13
Replica	-	-	-	-	-	-	-	-
Evening	-	-	-	-	-	-	-	-

MASTER DEGREE

	1 st Year		2 nd Year	
	M	F	M	F
Morning	09	15	15	09
Replica	-	-	-	-
Evening	-	-	-	-

M. PHIL DEGREE

	1 st Year		2 nd Year	
	M	F	M	F
Regular	24	17	06	10



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	10	-	09	01	05	-	-	-	-	-

5.4Employability

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

5.5Faculty-student ratio

No. of Faculty	No. of Students	Ratio
11 (Permanent) 02 on study leave	248	1:31
9+21 = 30 (Permanent / (Contract & visiting))	248	1:8

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

This year, a new practice has been started. Admission in MPhil/MS (2years) has been 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
	83	228

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
29	805



INSTITUTE OF GEOLOGY

5.1 Basic Enrollment

Sr. No	Name of Program	No. of Students Enrolled in 2014-2015		Total Number of Students		
		Male	Female	Male	Female	Total
1.	B.S. Applied Geology (Morning)	53	05	178	11	189
2.	B.S. Applied Geology (Replica)	56	06	56	06	61
3.	M.Phil Applied Geology	32	03	44	06	50
4.	PhD Applied Geology	03	01	09	04	13
TOTAL:		144	15	287	27	313

5.2 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

5.3 Faculty Students Ratio: 17:01

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Basic enrolment**
 - 2967 Total Enrolment of all programs

- **Gender-wise Detail**

Students Enrollment (Morning)

Semester	Existing Students Enrollment											
	Bachelor			Master			M.Phil			Ph.D		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Fall 2015	209	113	322	18	33	51	47	22	69	11	3	14
Spring 2015	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2014	270	99	369	35	23	58	19	24	43	7	7	14
Spring 2014	--	--	--	--	--	--	--	--	--	--	--	--



Fall 2013	244	102	346	--	--	--	--	--	--	5	1	6
Spring 2013	--	--	--	--	--	--	--	--	--	--	--	--
Fall 2012	232	87	319	--	--	--	--	--	--	1	4	5
Spring 2012	--	--	--	--	--	--	--	--	--	--	--	--
Sub-Total (i)	955	401	1356	53	56	109	66	46	112	24	15	39

Self-supporting Program (Afternoon)

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

Total Students Enrolment (Morning & Afternoon)

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

- **Employability**

Our enriched and balanced curriculum enables our graduates to meet the changing needs of employers. In spring 2011, more than 50% of our graduates were hired before the end of their degree.

- **Faculty-student ratio**

Degree Programs	No. of Students	Student Teacher Ratio
BS	2608	42:1
M.Sc.	208	3:1
M. Phil/PhD	151	2:1

**CENTRE FOR GEOGRAPHICAL INFORMATION SYSTEM (GIS)**

- Basic Enrolment (for the year 2014-15)

Sr. No.	Basic Enrolment (for the year 2014-15)	Gender-Wise Enrolled in 2015		Total No. of Students
		MALE	FEMALE	
1.	M.Sc. (Morning)	13	27	40
2.	M.Sc. (Afternoon)	21	19	40
Total		34	46	80

- Employability (Maximum 02 Lines)

Centre for Geographical Information System (GIS) facilitating its students with very specific administrations consisting of One Clerk, one Naib Qasid and one Network Administrator. While 5 Lecturers on permanent basis and an Assistant Professor (On Contract) serving here at GIS.

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES**Basic Enrolment:**

BS (Morning & Evening), MS Environmental Science, Ph.D Environmental Sciences, MSc Applied Hydrology, M.Phil Applied Hydrology, Ph.D Applied Hydrology, M.Sc Tourism & Hospitality Management

Equity**Gender-wise Detail**

		No. of students	
Class/Discipline/Program		Male	Female
BS Morning:	1 st Semester	07	33
	3 rd Semester	8	27
	5 th Semester	5	35
	7 th Semester	7	33
BS Evening:	1 st Semester	19	20
	3 rd Semester	9	30
	5 th Semester	8	26
	7 th Semester	14	28
MS Environmental Sciences:	1 st Semester	2	25
	3 rd Semester	3	27
Ph.D Environmental Science 1st Semester		4	5
MSc Applied Hydrology:	1 st Semester	3	17
	3 rd Semester	5	14
MPhil Applied Hydrology:	1 st Semester	3	12
	3 rd Semester	3	7



Ph.D Applied Hydrology	1 st Semester	3	2
MSc Tourism & Hospitality Management:	1 st Semester	14	6
	3 rd Semester	17	6

Employability

1. Lahore Waste Management Company
2. Environmental Protection Department
3. Health & Safety Sector of Pakistan & UAE
4. WAPDA
5. Forest Department
6. WWF
7. Research Organizations
8. Universities having Environmental Sciences Department
9. Hotels/Resorts in Pakistan & UAE
10. Industrial Organization

Faculty-student ratio

Ph.D 06**M.Phil 02****SCHOOL OF PHYSICAL SCIENCES**○ **Basic enrolment**

Different researchers, faculty members & postgraduate students come to SPS to use state of the art equipments in their research projects. School of Physical Sciences is also planning to start its own admission in M. Phil & PhD in the fields of Chemistry, Biochemistry and Physics in upcoming years.

○ **Equity**

Students and researchers are allowed to use resources of School of Physical Sciences without any gender discrimination, race and cast.

Punjab University Gujranwala Campus

5.1 Basic enrollment : 2384

5.2 Equity:

5.3 Gender-wise detail:

Male: 1207

Female : 1177

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	17	17	-	-
M.Com. 3.5 Years	24	99	40	97



B.Com. (Hons)	118	142	151	80
M.Sc. IT	15	92	41	67
BS. IT	121	84	153	43
LL.B 3 Year Programme	116	70	135	49
Total	573	728	634	449

5.4 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.

5.5 Faculty Student Ratio: one teacher for 68 students: (1:68)

Jhelum Campus

- Basic enrolment (for the year 2015-16) 360
- Gender-wise Detail [in tabulated form for all programmes] M 755 F 384
- Employability [maximum 02 lines]
 - Since the Punjab University Jhelum Campus has been started w.e.f 23rd April 2012 therefore, the academic sessions of Bachelor (Hons) is under process and 44 students of LL.B has passed out.
- Faculty-student ratio [in tabulated form] 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 ENGLISH LANGUAGE & LITERATURE

- **University- Industry Linkages/ Collaboration**
St. Andrews University, Scotland.

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
- Patents **[in number and detail about patent not more than one line]**
- Internship and Placement Office
 - Internships: Students internship at women and gender development GOs and NGOs is an in-built component of the degree programme. Each year about 90 students are sent for two months internship in around 30 NGOs/GOs working for women/gender development.



INSTITUTE OF COMMUNICATION STUDIES

Internship and placement Office

Institute of Communication Studies offer an extensive program for internship more than 200 students gets training as an internee in the leading media and corporate organization of Pakistan.

Students Counseling and Career Guidance

The function of students counseling and career guidance is performed by the coordinator of the programs. Owing to their proper guidance students get good jobs in field. Mr. Fahad Mahmood, Assistant Professor is a focal person.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

- **University Industry Linkage**

MoU has been signed between University of the Punjab and Pakistan Poverty Alleviation Fund on the initiative of Institute of Social & Cultural Studies. ISCS assumes the role of representative of the university and manages the activities regarding the signed MoU.

- A MoU with NESPAK and WAPDA has also been finalized.

- **New Initiatives**

(i) M.Phil and PhD 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 600 students were placed on internships in different national (Public and Private) as well as international organizations concerning their relevant field.

- **Student Counseling and Career Guidance**

There is a regular activity of providing counseling to students by the permanent faculty at the ISCS. Special seminars have also been organized, inviting experts from the field for providing career guidance to students.

Faculty of Commerce

HAILEY COLLEGE OF COMMERCE

6.1 Internship and Placement Office

6.2 Student Counseling & Career Guidance

HAILEY COLLEGE OF BANKING & FINANCE

6.1

University – Industry Linkage:

We have strong College – Industry Linkages. We believe in gown town relationship. We have collaborated with Insurance Association of Pakistan/Local/Banks/Stock Exchange/Financial Institutions.



- 6.2 **New Initiatives:**
We have taken new initiative to initiate MOUs with some Industrial Group, Banking, Insurance and Corporate Sectors for seeking their assistance in improving our educational system.
- 6.5 **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.
- 6.6 **Student Counseling and Career Guidance:**
Continuous students Counseling and Career Guidance is being provided by various faculty members of our College. This has proved to be very helpful. All faculty members have displayed Students' counseling hours on notice board and their offices doors to facilitate the students regarding solution to academic issues.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

o 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

- **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, UNICEF Pakistan and Punjab Economic Research Institute (PERI).
- **Alumni Meetings:** Our alumni body is a source of continued support for the Institute. The alumni networks that serve the leading organizations throughout the country facilitate existing students through professional interaction, internships and job placements. Alumni network reunions are regularly conducted to strengthen relationships with our stakeholders. IAS receives an overwhelming response in such reunions every year. This year's reunion is going to be organized on 5th November 2016.



- **Internships:** IAS has a very resourceful Placement office. It provides internship opportunities to Masters and BS students in various public, private and civil society organizations. Besides this, it also provides the students with career opportunities in numerous organizations and conduct door step student recruitment sessions to facilitate both students as well as professional organizations.
- **Organizational Visits:** Our students regularly visit professional organizations to get an insight of their professional practices to relate theory and practice and to strengthen the organization and university linkage.
- **Examination Section:** IAS has a well-managed and active examination section, which deals with the examination related matter for all semesters (Regular/Replica/Evening), manage result declaration, viva arrangements, issues transcripts and other studentship related letters. It also deals with different organizations/banks etc for studentship verification of their employees. IAS examination section arranges IAS Graduation Ceremony for the recently passed graduates.
- **Endowment Trust and Scholarships:** IAS provides credence to the deserving and qualified students by assisting them financially to live up their dreams for achieving good quality higher education. The institute has launched many scholarships and financial assistance programs based on need cum merit basis. The institute ensures the provision of these services on non-discriminatory and Equal Opportunity (EO) basis. A large number of IAS Alumni members contribute to these scholarships, funds and the trust Professor Dr. Mohammad Afzal Education Trust, IAS. These are as follows:

Regular Programs	Self- Supporting Program
Merit Scholarship	Merit Scholarship
Needy Scholarship	Student Welfare Fund
HEC Need Based Scholarship	HEC Need based Scholarship
PEEF Scholarship	PEEF Scholarship
Friends Education Fund	Dr. Afzal Education Trust
Regional and District Scholarships	
Prof. Dr. Masood Aslam Scholarship	

- **Gold Medal:** IAS honors first position holders(s) of BS (Hons.) Management program with **Prof. Dr. A.R. Jafri Gold Medal**. Besides this, **Prof. Dr. Muhammad Afzal Gold Medal** is given to the position holder(s) of Master of Human Resource Management program.
- **Sports:** IAS also focuses upon the physical development of the student. It arranges annual Sports Gala and encourages students to participate in sports.

Total Scholarships awarded in Year 2014-15

- Total Merit Scholarship Allocated = 61
- Total Needy Scholarship Allocated = 60
- PEEF Scholarship Holders = 14
- Financial Assistance for Self-support Students = 24



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 2014-15, 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 2015, 230 students of BBIT (Hon.) have done internships in diversified industries and organizations throughout Pakistan. Further IBIT has issued first Newsletter in 2015. Entrepreneurial Day, SPSS workshop and a seminar on "The Corporate world - HRM Perspective" were the most prominent activities at IBIT. Nishat Mills HR Team visited IBIT to hold an on-campus recruiting camp to hire Marketing Executives. 1st Alumni Dinner was organized at Dome Hall, Royal Palm. This event helped alumni maintain connections to their educational institution and fellow graduates. Mr. Nadeem Rehmani (VP & Operations Director Metro Cash Carry) conducted a training session on supply chain management.

INSTITUTE OF BUSINESS ADMINISTRATION

o 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
5	Askari Bank Ltd
6	Atlas Honda
7	Attock Petroleum Ltd
8	Azhar Group
9	Bank Alfalah Limited



Sr. No.	Organization Name
10	Brighto paints
11	Caltax
12	CCL Pharmaceuticals
13	Coca Cola
14	D.G. Cements
15	Dalda Foods
16	Dawn News
17	Dawood Hercules Chemical
18	Descon Engg.
19	Fatima Groups
20	FFC
21	FMC
22	ICI
23	Interwood
24	Kasur Cooking Oil
25	Ksb Pumps Pvt Ltd
26	Lahore Chamber of Commerce
27	Maple Leaf Cement
28	Moblink Telcomm.
29	Nagina Group Pvt Ltd
30	NBP
31	Nespak
32	Nestle Pakistan Ltd
33	Nishat Mill
34	Orient Electronic
35	Orix Leasing Pakistan Ltd
36	Packages Pvt Ltd
37	PC Hotal
38	PEL
39	Pepsi International
40	Porsche (Cars)
41	PTCL
42	PTV
43	Sapphire
44	S.N. G.P.L
45	Schazoo Zaka (pvt)Ltd
46	Shoukat Khanum
47	Siemens Pakistan
48	State Bank of Pakistan
49	Telenor Telcomm.
50	Tetra Pak Ltd
51	The Bank of Punjab
52	Total Parco
53	Ufone



Sr. No.	Organization Name
54	Warid Telcomm.
55	World Cell

- **Student Counseling and Career Guidance**

The student advisor is all the time available for student counseling at IBA.

DEPARTMENT OF INFORMATION MANAGEMENT

- **New Initiatives**

DoIM got institutional membership of ALISE and CILIP.

- **Student Counseling and Career Guidance**

New comers' formal orientation is given, followed by refreshments. They are briefed about the program, rules, procedures, facilities etc.

Continuing Professional and Research Development Cell has been created and various formal and informal efforts are made for Student' Counseling and Career Guidance

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 / Collaboration (for the year 2014-15) -----**

Shafi Reso Chem Lahore

Shalimar Resin Lahore

Marjan Polymer Lahore.

Anwar Khawaja Industries Sialkot

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

6.1 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.



6.2 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.

6.3 Technology Incubation Centre

Faculty members are encouraged to carry out researches of commercial importance.

6.4 Patents

- One patent published by Dr. Syed Nadir Hussain on, "Adsorption of contaminants from liquid and electrochemical regeneration of adsorbent". Patent application no. 20120228230, dated 13th September 2012.
- One patent filed by Dr. Amir Shafeeq on, "Pilot Plant for enhanced recovery of fuels from high density polyethylene (HDPE) ravage material" notified **(642/2014)** in weekly notification on patents and industrial designs on 19/09/2014 by Intellectual Property Organization (IPO) Government of Pakistan.

6.5 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.

6.6 Student counseling and Career guidance

CPDC and student advisor has mandate for student counseling and career guidance. CPDC works in close contact with industry for the recruitment and placement of the young engineers in local enterprises.

A separate Career Counseling & Alumni office has been established. During 2014, eighteen (18) companies visited Institute for recruiting our graduates and Institute fully supported these recruitment drives.

INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

6.1 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.

6.2 New Initiatives

- Laboratories have been updated according to Pakistan Engineering Council requirements.
- Development of new lab is in progress.



6.3 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.

6.4 Student counseling and Career Guidance

Cell is present in the institute and a teacher is in charge of this cell. Students contact the office for counseling and guidance.

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

6.1 University-Industry Linkage:

Students of the Department have visited different industries and students of 6th semester have done industrial training in the following industries:

Sr. No.	Industry Name	Address
1.	Ittefaq Sons (Pvt) Ltd.	Lahore
2.	Supra Steels	Climax Abad G.T.Road, Gujranwala
3.	PCSIR	Ferozepur Road, Lahore
4.	New Shalimar Steel Mills	Sheikhupura Road, Lahore
5.	HMC	Taxila, 47050
6.	Fiber Tech Composites	Canal Bank, Hanif Park, Harbanspura, Lahore-54850
7.	Sui Northern Gas Pipelines Ltd	Gas House 21 Kashmir Road, P.O.Box 56, Lahore
8.	Pakistan Standards and Quality Control Authority	125-A Industrial Area Kot Lakhpat Lahore-54770
9.	Pakistan Cycle Industrial Co-Operative Society Ltd.(Rustam Sohrab Cycle Factory)	P.O.Rustam Cycle Factory Sheikhupura Road, Shahdara
10.	PIA Engineering	Near PIA Training Center Airport Karachi 75200
11.	Chenab Engineering Works & Foundries Private Ltd.	Jumra Road, Nishatabad, Faisalabad
12.	Bolan Castings Ltd.	Hub District Lasbela Balochistan, Adjacent to Bela Engineers Ltd, Village Baroot sub-Tehsil, Hub District
13.	New Shalimar Steel Industries Private Ltd.	45-Peco Road, Badami Bagh, Lahore
14.	Batala Steels	17 Km, Sheikhupura Road, Lahore
15.	Qaderi Brothers Pvt.Ltd.	O/S Kashmiri Gate Peco Road, Badami Bagh Lahore
16.	DSW, Pakistan Railways	Mughal Pura Lahore
17.	Pakistan Steel Mills Corporation	Bin Qasim Karachi 75000 P.O.Box 5429



18.	KSB, Pumps	Hassan Abdal, Garden Trust Building 16/2, Sir Agha Khan Road, Lahore
19.	POF,	Institute of Technology Administration Department Wah Cantt
20.	BBJ, Pipe Industries Pvt.Ltd.	49 Km, Multan Road, Near Ittefaq Adda, Bhaipheru, BBJ, House 40, Abbot Road, Lahore
21.	Excel Foundary	Sheikhupura Road, Lahore
22.	Descon Engineering Ltd	18 Km Ferozepur Road, Lahore
23.	New Shalimar Steel Industry Pvt.Ltd.	Lakho Dair Road, Shadi Pura, band Road, Lahore
24.	NESCOM	Islamabad
25.	Mughal Steels	Sheikhupura Road, Lahore
26.	Millat Equipment Ltd	10 Km Raiwind Road, Lahore
27.	AFCO Steels	22 Km, Sheikhupura Road, Lahore
28.	Fast Cables & Co.	14-G, Gulberg III, Lahore, 7-Canal Bank Main Jallo Road, Lahore
29.	EMCO Industry Ltd.	2nd Floor, Emirates Bank Building Kashmir/Egerton Road, Lahore
30.	Treet Corporation Ltd.	72-B, Kot Lakhpat Industrial Area, Lahore 54770
31.	Pakistan Mineral Development Corporation (Pvt) Ltd.	Head Office 13-H-9, Islamabad, 44790
32.	Wahid Industries (Universal Pistons)	Fayyazi Street, Dull Khurd, Ferozepur Road, Lahore
33.	Emco Industries Limited	19-Km, Sheikhupura Road, Lahore
34.	Master Tiles and Ceramics Industries & Master Sanitary Fittings Industries	G.T. Road, Gujranwala
35.	Syed Bhais (Pvt.) Limited	200 Ferizepur Road, Lahore 54600
36.	Siemens Pakistan Engg. Co. Ltd.	Shared Services Department Carrier Telephone Industries Pvt. Ltd.
37.	Sonex Sanitary Fittings	Gujranwala
38.	Rastgar Engineering Company	1-9/3, Islamabad
39.	Qaderi Foundaries	Badami Bagh, Lahore
40.	Zong Cellular Phone Company	Lahore
41.	Telenor Zong Cellular Phone Company	Lahore
42.	Warid Zong Cellular Phone Company	Lahore
43.	Zte Software Development Company	Lahore
44.	Wateen Cellular Phone Company	Lahore
45.	Mobilink Cellular Phone Company	Lahore



6.5 Internship and Placement Office: None

Students of 5th semester completed 6 week in plant training in different industries during summer vacations.

6.6 Student Counseling & Career Guidance:

The institute's placement bureau works with the collaboration of senior faculty members. Jobs openings are indicated at department's notice board and students are informed about the interviews and tests whenever desired by the industry.

DEPARTMENT OF ELECTRICAL ENGINEERING

- 6.1 University-Industry Linkage: At Departmental level with Mobilink, SNGPL, SUPARCO,
- 6.2 New Initiatives: Trying to convert departmental level linkages to organizational level
- 6.5 Internship and Placement Office: Present, Arranges internship for all students every summer
- 6.6 Student Counseling and Career Guidance: Done at personal levels

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

- **Student Counseling and Career Guidance**

Sheikh Zayed Islamic Centre is providing the Counseling and Career Guidance to the student. Dr. Ishtiaq Ahmad Gondal is the nominated students' counselor and providing career guidance to the students of the Centre.

Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- Internship and Placement Office *Associated with the senior advocates Having at least 10 years actual standing in the field of Law.*
- Student Counseling and Career Guidance

For most of the time of Faculty of Law provides counseling and career guidance to Law students. In this connection, Law Moots are arranged by the Law Moot Society under the supervision of teacher's incharge. These exercises' enhance the capacity building of the students for future challenges and opportunities. Moreover, the subject of trial advocacy and office managements 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
 - Lahore General Hospital
 - 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.

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

6.1: 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, ,
- Allamalqbal Medical College (AIMC)/ Jinnah Hospital,
- Avicenna Medical College/Hospital, Lahore
- Mayo Hospital
- General Hospital

6.2: 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	Establishment of day care centre

6.5: 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 2014-15 fifty 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 ZOOLOGY

6.1 University-Industry Linkage

Prof. Dr. Javed Iqbal Qazi

Ph.D. Member, Core committee to develop/strengthen the University Industry Linkage, University of the Punjab, Lahore vide letter No. D/486/R dated 18.07.2013

Prof. Dr. Muhammad Naeem Khan

Department of Fisheries, Government of the Punjab, Lahore.
American Soybean Association (Pakistan Chapter), Karachi.

Dr. Najma Shaheen

- AB Mauri Pakistan (PVT) Limited December 29-, 2015

Dr. Nadeem Sheikh

Memorandum of understanding with Department of Internal Medicine, Division of Gastroenterology, Georg August University Goettingen Germany.

6.6 Student Counseling and Career Guidance

Related to Carrier Counseling Centre, University of the Punjab

DEPARTMENT OF BOTANY

o Student Counseling and Career Guidance (maximum 1 – 2 pages)

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, 2014 to 30th Sep, 2015

1. Saffron Pharmaceuticals Ltd, Faisalabad
2. AB Mauri Yeast Factory, Lahore
3. Research collaboration with Brighto Paints, Lahore

o New Initiatives

o Technology Incubation Centre

o Patents [in number and detail about patent not more than one line]

o Internship and Placement office

1. 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. One student from Allama Iqbal medical college.
3. One student from University Town ship
4. One student from GC University



5. One student from chemical engineering.
6. One student from comsats
7. One student from University of Lahore.
8. Two students of University of Lahore, completed internship in the department
9. Five students of Institute of Biochemistry and Biotechnology, University of Veterinary and Animal sciences, Lahore, completed internship in the Department.
10. Three students from Gulberg college for women Lahore.
11. Two students from Home economics college for women, Lahore

o **Student Counseling and Career Guidance**

1. The department has formulated Character Building Society (CBS) of the students, which organizes events related to different social issues and problems. It act as a plate form for student counseling and related issues. and organized the following for student counseling
2. One Day workshop to create self-recognition, self-esteem and self confidence
3. Weekly Board Display to create awareness against Anticorruption in Academia
4. Lecture on civil education arranged by Character building society of the Department
5. Celebrated Anticorruption day
6. Lecture on scientific corruption
7. Cleanliness week
8. Department has organized Two days fund raising Tecnospark event (CV writing and Interview skills) November 29-30, 2014
9. One day workshop on CV writing by Dr Abdul Qayum in collaboration with Career Counseling & Placement Centre.
10. Workshop and drills on fire and security throughout the year

INSTITUTE OF AGRICULTURAL SCIENCES

o **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 2015 Venue: University of the Punjab Date: April, 2013.

Institute of Plant Pathology, AARI, Faisalabad.

Maize and Millet Research Institute, Yousafwala, Sahiwal.

o **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

6.1 University-Industry Linkage

6.2 New Initiatives

6.3 Technology Incubation Centre

6.4 Patents

6.5 Internship and Placement Office

6.6 Student Counseling and Career Guidance

As psychologists we are sensitized to the students' psychological needs. While pursuing higher education, the students undergo a stressful and demanding time in their lives and they need help in coping with stress and optimizing their academic performance. Student Counseling and Assessment Services (SCAS) was therefore set up in 2005 at the premises of the Institute to provide counseling to university students in order to deal with their academic, emotional, social, adjustment, behavioral and other related problems. Initially the main objective of SCAS was to address the needs of Punjab University students, however owing to the increasing demand; these services were extended to the University employees. In order to facilitate and maintain the comfort level of the students, the SCAS has been moved to the premises of the University Health Centre since 2009.

Counseling services are offered by highly motivated, committed, fully trained and experienced professionals i.e. a team of clinical psychologists under the supervision of Director, Institute of Applied Psychology and Chief Medical officer, Health Centre. Ms. Sadia Shahzeb a Clinical Psychologist is supervising counseling and assessment services provided at the SCAS. SCAS can be approached to set up appointments and seek advice. Detailed information about SCAS is available at <http://pu.edu.pk/scas/> Ph No. 042-99231256.



All contacts and communication with counselor are kept completely confidential. The services also help in developing skills needed for a successful student life mainly: stress reduction and management, time management, confidence building and assertiveness skills. The SCAS also performs psychological assessment of students and employees referred by the University competent authority. Group Counseling sessions are also conducted to address large group of students' issues such as confidence building, time management skills, assertiveness, prioritizing, interpersonal skills etc. SCAS runs awareness activities for University students in form of putting stalls, delivering orientation lectures in Departments and distribution of information leaflets. Our ultimate aim is to enable University students to maximally utilize their potentials to show outstanding academic performance in particular and to lead a healthy and quality life in general. The number of students benefiting from counseling services has been increasing gradually and they have shown good progress.

The most commonly seen problems are listed as follows:

Academic problems	Adjustment / relationship problems	Psychological problems	Personal
<ul style="list-style-type: none">• Poor time management• Presentation anxiety• Lack of concentration/attention• Poor study habits.	<ul style="list-style-type: none">• Adjustment issues in hostel• Adjustment problem in department• Problems in managing finances• Relationship problems with friends and family	Mild level: Anxiety, Stress, Anger control problem, Lack of assertive skills, Lack of confidence, low self esteem Severe Level: Depression, suicidal ideation, Obsessive-compulsive disorder, Personality disorder, Schizophrenia, Delusional disorder	<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.

Psychological Scales/Tests Developed:

Sr. No.	Name of the Test	Developed by
1	Civil Moral Disengagement Scale (CMD)	Shiba Saeed & Rukhsana Kasuar, Ph.D
2	Cricketer's Psychological Characteristic Scale	Vicor Solomon & Rukhsana Kasuar, Ph.D
3	Desensitization to Violence Scale	Ammarah Sehar & Rukhsana Kasuar, Ph.D
4	Manifestation of Dishonesty Scale (MDS)	Madiha Yasin & Rukhsana Kasuar, Ph.D
5	Maternal Concerns and Attitudes Scale for the Safety of Daughters MCA-SD	Khadija Rasheed & Rukhsana Kasuar, Ph.D
6	Maternal Concerns and Attitudes Scale for the Safety of Sons MCA-SS	Khadija Rasheed & Rukhsana Kasuar, Ph.D
7	Peak Experience of Music Scale (PEMS)	M. Faran & Rukhsana Kausar, Ph.D
8	Professional Jealousy Scale	Shahnaz Bano & Rukhsana Kasuar, Ph.D
9	Sense of Responsibility Scale	Madiha Khan & Rukhsana Kasuar, Ph.D
10	Social Adjustment Scale	Ridaul Wafa & Rukhsana Kasuar, Ph.D
11	Tolerance Scale	Moona Mansur & Rukhsana Kasuar, Ph.D

Psychological Scales/Tests Translated:

Sr. No.	Name of the Test	Translated by	Name of Original Author/ Authors
1	Addiction Belief Scale	Rida ul Wafa & Rukhsana Kausar, Ph.D	Jeffrey A. Schaler, Ph.D., LLC
2	Adherence to Refills and Medication Scale	Farhana Nasim & Rukhsana Kausar, Ph.D	Sunil Kripalani
3	Anger Self-Report (30-Item Version)	Soulat Khan & Rukhsana Kausar, Ph.D	Frank Walkey Frank.Walkey@vuw.ac.nz
4	Belongingness and Emotional Security Scale	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	John Hodgins
5	Body Image State Scale	Nayab Manawar, Syeda Fatima Hasnain & Rukhsana Kausar, Ph.D	Cash, Thomas F.
6	Brief Self Control Scale	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	June P. Tangney, Roy Baumeister & Angela Luzio Boone
7	Child Perception of Interparental Conflict	Iqra Yousaf, Nida Zafar & Rukhsana Kausar, Ph.D	Frank D. Fincham
8	Cricket Mental Toughness Inventory (CMTI)	Vicor Solomon & Rukhsana Kasuar, Ph.D	Daniel Gucciardi



9	Diabetes Specific Locus of Control Scale	Farhana Nasim & Rukhsana Kausar, Ph.D	James H. Price, PhD, MPH
10	Eating Attitudes Test-26 - EAT-26	Nasreen Ramzan & Rukhsana Kasuar, Ph.D	Garner, Olmsted, Bohr & Garfinkel janellen@unm.edu (J.E. Smith garner@river-centre.org
11	Emotional Regulation Questionnaire	Soulat Khan & Rukhsana Kausar, Ph.D	James Gross gross@stanford.edu
12	Experience in Close Relationships-Relationship Structure Questionnaire (ECR-RS)	Shehnaz Bano & Rukhsana Kausar, Ph.D	R. Chris Fraley
13	Interpersonal Reactivity Index (IRI)	Madiha & Rukhsana Kausar, P.hD	Mark Davis
14	Kaufman Domains of Creativity Scale	Syeda Fatima Hasnain, Sidra tul Muntaha & Rukhsana Kausar, Ph.D.	James C. Kaufman
15	Leisure Motivation Scale	Syeda Fatima Hasnain, Sidra tul Muntaha & Rukhsana Kausar, Ph.D.	Tom Blaschko & Idyll Arbor.
16	Perceived Devaluation Discrimination Scale	Farah Yaqoob & Rukhsana Kausar, Ph.D	Link, Bruce G.
17	Self-Harm Behavior Questionnaire	Soulat Khan & Rukhsana Kausar, Ph.D	Augustine Osman augustine.osman@utsa.edu
18	Self-Rating Scale	Soulat Khan & Rukhsana Kausar, Ph.D	Jill Hooley Jmh@Wjh.Harvard.Edu
19	The Consideration of Future Consequences Scale	Ammarah Sehar & Rukhsana Kausar, Ph.D	Alan Strathman & Jeff Joireman, Ph.D
20	The Life Effectiveness Questionnaire	Moona Mansur & Rukhsana Kausar, Ph.D	James Neill Ph.D
21	The Listening Styles Profile (LSP-16)	Shiba Saeed & Rukhsana Kasuar, Ph.D	James B. Weaver gjk9@cdc.gov
22	Treatment Self-Regulation Questionnaire	Farhana Nasim & Rukhsana Kausar, Ph.D	Edward Deci
23	Uses of Music Inventory	M. Faran & Rukhsana Kausar, Ph.D	Adrian Furnham Ph.D

Future Plans:

The future goals being decided for uplifting the services of SCAS are as follows:

1. To raise awareness about psychological health and role of SCAS through presentation at departments of the University.



2. The Heads of the departments will be requested to nominate a teacher preferably student advisor as a liaison person for students referrals and follow ups.
3. Group sessions regarding common psychological problems among students will also be conducted.
4. In collaboration with Institute of Applied Psychology & Centre for clinical Psychology Staff training program will also be provided in future in collaboration with other professionals.

Faculty of Oriental Learning

DEPARTMENT OF KASHMIRYAT

- University-Industry Linkage/Collaboration (2014-15)
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.

DEPARTMENT OF PERSIAN

- University-Industry Linkage/Collaboration (2014-15)
 - Prof. Dr. Muhammad Saleem Mazhar and Prof. Dr. Muhammad Nasir attended International Conferences at Iran and Tajikistan.

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 internship Glacier Monitoring Research Centre, WAPDA.



- 04 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.
- 02 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

6.1. Internship and Placement Office

- i. A sub-office of Internship and Placement is being run to accommodate the students of this College.

6.2. 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 MATHEMATICS

- Student Counseling and Career Guidance
Dr. Muhammad Khalid Mahmood, Assistant Professor is a focal person of student Career Counseling and student guidance.

DEPARTMENT OF PHYSICS

- **Student Counseling and Career Guidance**
Yes, we do provide counseling services to the students of the Department.

DEPARTMENT OF SPACE SCIENCE

6.1 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

6. UNIVERSITIES BUILDING ECONOMIES

Institute of Geology provides consultancy services in material testing and mineral sector organization, WAPDA, NESPAK, and number of organizations in public & private sector.

6.1 New Initiatives

Institute of Geology is developing research collaboration with the China University of Geosciences, Wuhan, Hubei, China

6.4 Internship and Placement

- A number of students of the Institute of Geology got internship in OGDCL / OGTI, Islamabad; PCRWR, Lahore; NESPAK; GSP, Lahore and Road Research & Material Testing Institute, Lahore.
- A number of students of the Institute after qualification of B.S. / M.Phil. degrees got placement in various academic and research organizations i.e. OGDCL, GSP, and various Geological firms within the country.

6.5 Student Counseling and Career Guidance

Graduates of the Institute are provided guidance and career counseling by the faculty members of the Institute in line with their specialization and current scenarios in the country and abroad.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

○ Technology Incubation Centre

• Open Source Software Development:

A research and development project has been conducted at PUCIT during 2008 – 2010 with the title “Integration of Open Source Software Projects in IT Education”. NU FAST and Virtual University were the other two partners of this project. A funding of PKR 37.63 million was secured from ICT R&D Fund for this project. Some of the goals and objectives of this project were:

- To provide training to IT/CS students keeping in view the requirements of their prospective employers (i.e. the software industry).
- To allow students to learn good programming practices by reading professionally written high-quality code and by getting feedback from professionals.
- To address (and try to resolve) the issue of the scarcity of quality CS/SE faculty in most of the universities.



- To help software industry by providing them with the workforce that has worked on industrial strength projects, thus reducing the costs of training programs required for new inductees.

- **Internship and Placement Office**

Since its establishment over 5 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.

CENTRE FOR GEOGRAPHICAL INFORMATION SYSTEM (GIS)

- Internship and placement office

During last Academic session (2014-15) the Director, Prof. Dr. Sajid Rashid Ahmad has initiated to refer students for internship in various institutes and departments where GIS was practically being in progress. About 50 students got learnt the market based skills in these reputed organizations from which about 20 students have been appointed on jobs after completing their degree program.

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

6.1 University-Industry Linkage / Collaboration

Many of the teachers in CEES have established collaboration with industries in order to engage students for Environmental Impact Assessment (EIA) and Occupational Health and Safety (OHS) studies including Prof. Dr. M. Nawaz Chaudry and Dr. Irfan Ahmad Sheikh.

6.2 New Initiatives

1. Collaboration & Research Linkage with (China) Sichuan South Gas Compressor Co., Ltd. for the different biogas digesters installation in Punjab. **(Ms. Mariyam Zameer)**

6.3 Internship and Placement Office

An internship and placement office has been set up in the CEES operated by Ms. Mariyam Zameer where the letters of internship are officially issued to the students.

6.4 Student Counseling and Career Guidance

The student advisor is all the time available for student counseling in the CEES



SCHOOL OF PHYSICAL SCIENCES

- **University-Industry Linkage/collaboration**

School of Physical Sciences, University of the Punjab, Lahore is planning to develop industrial collaboration with different industries with the development of the projects related to physical, biochemical and molecular sciences.

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.**

- **Student counseling and Career Guidance (maximum 1 – 2 pages)**

Punjab University Jhelum Campus has made arrangements for the students Counseling and Career Guidance. There are four departments in PUJC, one teacher from each department is selected to achieve this goal and fulfill this purpose. The names of teachers according to the departments are as under:

- 1. Mr. Kashif Imran Zaidi (Department of Law)**
- 2. Mr. Muhammad Nadim (Department of Commerce)**
- 3. Mr. Kamran Shaukat Dar (Department of I.T)**
- 4. Syed Zagham Abbas (Department of Business Administration)**



Chapter

7

**STRENGTHENING PHYSICAL
INFRASTRUCTURE**

- *Development Projects (Laboratories, Libraries, etc.)*
- *Research Equipment*
- *Construction Projects*



CHAPTER

7

Strengthening Physical Infrastructure

Faculty of Arts & Humanities

COLLEGE OF ART & DESIGN

- **Development Projects (Laboratories, Libraries etc.)**
- We have a Computer Lab consisting 8 computers, an Art Gallery and a Library for our research scholars. Employability [maximum 02 lines]

The Graduates of College of Art & Design are employed in Public and Private Sector including Publication Houses, Advertising Agencies, Fashion Houses, Print and Electronic Media, Journalism, Interior Design Houses, Freelance Design Consultancies, Photography Studios, Art Criticism, Museum Related Fields such as Curatorship of Galleries, Set and Exhibition Design and Display, Book Illustration and Publishing, Environmental Design, Signage Design, Studio Workshop etc.

DEPARTMENT OF ARCHAEOLOGY

- Development projects (Laboratories, Libraries, etc.)
- Provision of furniture and conference table/ chairs in the library

DEPARTMENT OF ENGLISH LANGUAGE & LITERATURE

- **Development Projects (Laboratories, Libraries, etc)**

The M. Phil, ELT and Linguistics sections of the Department Library have been computerized. The formation of electronic data-bank of MA English books is in progress.

DEPARTMENT OF PHILOSOPHY

- Development projects (Laboratories, Libraries, etc.) (for the year 2014-15)
- **The Department has its own Computer Lab for Students**

DEPARTMENT OF HISTORY & PAKISTAN STUDIES

- **Construction Projects**
- Purchase new furniture for class rooms and all floors was covered with new tiles.



Faculty of Behavioral & Social Sciences

INSTITUTE OF COMMUNICATION STUDIES

Development Projects

Two new video cameras are added in Audio Video Lab equipment, editing system was also upgraded.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **Development projects (Laboratories, Libraries, etc.)**

In order to upgrade the library facilities 268 number of latest books has been added in the Institutes library. The detailed status of institute's library is as follows:

Category	No.
Total No. of General Books	15000
Total No. of Reference Books	1500
Total No. of Journals Subscribed (Foreign)	02
Total No. of Journals Subscribed (Local) Gifted	05
Total No. Thesis	3500
Total No. of Reports	-
Budget provision for book	2,50,000
Budget provision for other library requirements	

○ **Construction projects**

The first floor of ISCS is completed and functional. It includes a "state of the art" Conference room, faculty offices, Class rooms, Library, Mosque, Research Centers and Ladies common room.

On the western side of the Institute's building further construction is in progress which includes class rooms and faculty offices.

DEPARTMENT OF SOCIAL WORK

- a) Library of the Department added 323 new books on different subjects in this year.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

7.1

Development Projects (Laboratories, Libraries, etc.):

18 Numbers of Multimedia's was purchased to strengthen class room teaching.



117 Nos. books were purchased for Library (2014-2015).
7320 Nos. total books in Library.

7.2 Research Equipment:

Students are being facilitated with account on time journal and use of IT.

7.3 Construction Projects:

We are in process of developing our program for undertaking renovation and repairs of old Halls that will be used for faculty and administrative staff.

HAILEY COLLEGE OF COMMERCE

- | | |
|-------------------------------------|--|
| 7.1 Development projects | 03 Computer Labs, 01 Open Shelf Library |
| 7.2 Research Equipment | |
| 7.3 Construction Projects | Plan to construct Multipurpose hall,
Extension of Computer Labs |

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- o 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 one hundred and two (102) books in last year according to the need of the students.

- o Research Equipment

The Department has two computer labs according to the need of modern researchs.

- o Construction projects

Civil works for annexation of another academics block are in progress. By the end of this year, the Department will get four more classrooms and two halls for computer labs.

DEPARTMENT OF INFORMATION MANAGEMENT

- o Development projects (Laboratories, Libraries, etc.)
DoIM has extended its computer lab for students.



The Vice Chancellor, Prof. Dr. Mujahid Kamaran allocated to DoIM the whole building, vacated by College of Statistical & Actuarial Sciences on 19 December 2014 (Notification no: D/941/R dated: 19/12/14)

- Construction Project

The whole building of the department got renovated and various additions were made to the building and physical facilities.

INSTITUTE OF ADMINISTRATIVE SCIENCES

Up gradation of physical infrastructure:

Keeping in mind the growing need of having more class rooms and offices amid growing numbers of students and professionals, IAS has recently updated its old building by getting an additional floor constructed. This floor has two large examination halls along with 10 state of the art faculty offices to fulfill the needs of growing student body and the faculty.

Technological Infrastructure:

With the objective of making students well versed in usage of information technology and to enhance their computer literacy skills, IAS has well equipped computer laboratories which cover an area of 4800 square feet. IAS has two well-equipped computer laboratories offering state of the art networking and IT facilities. These labs are equipped with 250 computers with latest 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

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 30-09-2014	20,480
2	New books added during the reporting period	375
3	Total book as on September 30, 2015	20,855

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**INSTITUTE OF EDUCATION & RESEARCH**

- Research Equipment (Added during the said year)
- Construction projects Construction of four science labs is in progress.

DEPARTMENT OF SPECIAL EDUCATION

- In the Computer Lab of the department, 13 computers (desktop) have been added.

Faculty of Engineering & Technology**DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY**

- Development projects (Laboratories, Libraries, etc.) (for the year 2014-15)

Department of Textile Engineering & Technology purchased 408 books for the library from 2008 to date.

- Research Equipment (Added during the said year)

Department of Textile Engineering & Technology purchased following pieces of equipment for its laboratories from 2008 to date.

List of Equipment

Computerized microscopic system	Infra Red Dyeing Machine	Launder-o-meter-automatic
Yarn examining machine	HT Dyeing and Washing Machine	Perspiration tester
Automatic wrap reel for yarn	Padder	Water repellency tester
Twist tester	UTM (Universal strength testing machine)	Martindale abrasion & pilling tester
Lab knitting machine	Flammability tester 45°	Random Tumble Pilling Tester
Crock meter	Incubator Cabinet	Magnetic Stirrer Hot plate
AATCC Launder-o- Meter	PH Meter	Simple Hot Plate
Electronic Psychomotor	Analytical Balance	Yarn Examining Machine
WRAP WREEL	Reciprocating Vacuum Pump	Glass Ware A Grade
Digital Thermometer	Mechanical Shaker	Glass Ware B Grade



INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

7.1 Development projects

The institute receives budget for its development projects from University of the Punjab and HEC.

7.2 Research Equipments

The institute has state of the art research labs. Upgradation of these labs is a continuous process. Postgraduate labs are adorned with state of the art Analytical and Experimental facilities:

Automatic Density Meter
Karl fisher Titration Apparatus
Particle Size Analyzer
CFBC Feeder
Flame Photometer
Analytical Balance
pH meter
Conductivity Meter
Refractometer
Gas Chromatograph
Atomic Absorption Spectrometer
Micrometrics Chemisorb
Rheometer
High Performance Liquid Chromatography

7.3 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

7.1 Development projects (Laboratories, Libraries, etc.)

- Projects are in process to equip Laboratories as per requirements of Pakistan Engineering Council.

7.2 Research Equipment.

Computerized Numerical Control Machine (Lathe Machine).
Coordinate Measuring Machine.
HBRV Tester.

7.3 Construction Projects.

Two Labs and four Faculty rooms are under constructions.



DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

7.1 Development Projects:

The development of new laboratories and the refurbishment of existing laboratories are in process.

7.2 Research Equipment:

The Department of Metallurgy & Materials Engineering has been striving hard to acquire new state of the art equipment to uplift the research capabilities of the Department. A grant of Rupees 67 million for purchasing lab equipment has been approved by HEC. In this regard, a tender was opened in December 2015 and the purchase of equipment will be completed in year 2016.

In year 2014-15, the Department of Metallurgy & Materials Engineering has purchased two salt bath furnaces for the Physical Metallurgy Lab, which enhanced the Department research capability in the field of Heat treatment. A potentiostat/galvanostat was repaired. Several equipment were added in Advanced Materials Research Lab which includes hot plate/magnetic stirrer, ultrasonic bath, overhead stirrer, vacuum desiccator, potentiostat/galvanostat, Atomic force microscope, etc. In addition, two furnaces were repaired and made functional for the research and undergraduate laboratory courses.

7.3 Construction Projects:

The Corrosion Control Research Lab has been refurbished in the academic year 2014-2015.

DEPARTMENT OF ELECTRICAL ENGINEERING

7.1 Development Projects: HEC approved project in progress, including 12 Labs 1 library

7.2 Research Equipment: 1 new research lab for semiconductor devices approved from HEC

7.3 Construction Project: New building for EE department in progress having 38091 sq/ft covered area

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Digital Library, Video Conferencing facilities are provided by the IT Centre of the Punjab University.

SHEIKH ZAYED ISLAMIC CENTRE

- Development projects (Laboratories, Libraries, etc.) (for the year 2014-15)
 - i. Presently, the Computer Lab. and the Administrative Unit of the Centre is equipped with 54 computers in total. In the year 2014-15, no new computers were purchased.



- ii. The library of Sheikh Zayed Islamic Centre is equipped with 14943 books on the topic of Dawah, Fiqh and Sunnah by renowned authors. In the year 2014-15, 1500 books were added to the library of the Centre.

Faculty of Life Sciences

DEPARTMENT OF ZOOLOGY

7.1 Development projects (Laboratories, Libraries, etc.)

At present the Department of Zoology has a clear vision to extend its existing research facilities. These are following main components in this respect which are given as under:

Strengthening and up-gradation of existing facilities in Zoology Department.

Over all improvement and renovation of the department.

To establish field research laboratory at Fish Research Farm University of the Punjab for research students of the department.

Establishment of Entomology laboratory for studying Biodiversity and Ecology of insects and spiders.

To establish Animal house facilities in the department of zoology for rearing of experimental animals.

7.2 Research Equipment

Department has purchased following equipments during 2015

- Spirometer made in Italy
- Spotting Scope made in UK
- Binocular Magnification 10x50 Nikole

7.3 Construction projects

Departmental Museum has been constructed during 2015 which meet the demand of research students of Zoology Department.

Future Plans:

For Animal House, Computer Lab, PC-I has been submitted to the University for funding. We are focusing on basic to applied researches according to the need of our country.

DEPARTMENT OF BOTANY

o Development projects (Laboratories, Libraries, etc.) (for the year 2014-15)

A new research laboratory of “Plant Biotechnology” was developed in the Department of Botany, University of the Punjab, Lahore.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

o Development projects (Laboratories, Libraries, etc.)

1. Establishment of Cell Culture Facility for culturing various cancer cell lines, used in tumor metabolism studies and in anticancer drugs screening



2. Establishment of a separate Tumor Metabolism Lab in the department.
 3. Establishment of a new section of research lab 3 for handling/cultivation and experimentation on *Helicobacter pylori* and related organisms involved in stomach ulcer
 4. Up gradation of Computer Lab with latest technology
 5. WiFi in department
 6. Established pilot scale animal house (animal cages)
 7. Establishment of cell culture laboratory
 8. Establishment of linkages with Brighto paints with reference to microbes culture testing facilities
 9. Microbes culture testing facilities to the ORIC , PU
 10. Regular Microbiology (UK) Journal in Library
 11. Regular Journal of Botany in Library
 12. Regular Pakistan Journal of Zoology personally by faculty members.
- o **Research Equipment**
 - o Items Purchased from HEC's National Research Program for Universities, IFS project, PSF projects and from other departmental and university research grants
 - o Refrigerators, Auto Pipettes and Electronic Pipette Controller
 - o -86 C lab freezers
 - o Glass ware, glass columns
 - o Culture media, chemicals etc
 - o Microplate reader
 - o UV lamp with different ranges
 - o Locally assembled shaker for 200 flasks
 - o Basic equipment Eukaryotic Cell Culture lab (Water bath, Autoclave etc)
 - o Basic equipment for ulcer causing microorganism culturing
 - o Microtome
 - o Micro Centrifuge
 - o PCR
 - o Upgradation of general and research lab equipments
 - o Generator for running instruments
 - o Basic equipment for animal dissection facility



o **Construction Projects**

Established new laboratory: tumor
metabolism lab Established basic animal
house

Parking place for 10 cars

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- o Construction projects

The construction of three class rooms and offices is in progress.

INSTITUTE OF APPLIED PSYCHOLOGY

7.1 Development Projects (Laboratories, Libraries, etc.)

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

The Institute has an animal laboratory, the first of its kind in the country which provides opportunity to students to carry out pigeon experiments in the field of learning and conditioning. The students gain firsthand experience of demonstrating principles of operant conditioning on pigeons. The students learn to house, magazine train, conditioning through various schedules of reinforcement, generalization and extinction.

The human experimental lab is equipped with the latest apparatus to perform experiments on human memory, perception, learning, problem solving and other mental processes.

The planning is underway for establishing a computerized cognitive experimental lab where memory and language experiments will be carried out on computers as well as a behavioural observation lab equipped with one way mirror screen and video facilities along with a fully equipped neuropsychology lab, which will set a bench mark in the history of the Applied Psychology in Pakistan.

Keeping in mind the practical and professional needs of MS Health Psychology students, a Health Psychology Lab and Consultancy office were also established to facilitate students as well as clients.

The Institute of Applied Psychology takes pride in having the largest collection of international and indigenous psychological tests and evaluative techniques and keeps on adding latest tests to its list. Use of psychological tests is strictly monitored and is in accordance with the international codes of ethics. The major collection of tests falls under the following categories:

- Intelligence Scales and Tests
- Aptitude Tests
- Personality Inventories and Tests.
- Adjustment Tests
- Achievement Tests
- Art & Social Sciences Tests
- Diagnostic Tests
- Behaviour Checklists
- Language Tests
- Neuropsychological Tests



- Parental Stress Tests
- Family Relation Tests
- Interpersonal Problem Tests
- Self-Assessment Tests
- Reading Tests
- Cognitive Functioning Tests
- Executive Functioning Tests
- Memory Tests
- Vocational Tests

7.2 Research Equipment

Every year latest computers are added for the scholars of MS/MPhil and PhD. The institute also provides services of latest data analysis software for which training sessions are also arranged. Each year New Psychological tests are added to the Institute's testing lab which is one of the best testing Lab with a wide range of psychological tests for the assessment of personality, intelligence, aptitude, neurological functioning, diagnostic scales, adjustment, etc.

New and up-to-date equipment was also added to Health Psychology Lab and Consultancy office in order to facilitate students as well as clients.

7.3 Construction projects

MS Health Psychology Program was started in the year 2013 therefore keeping in view the needs of practical work of MS Health Psychology trainees a Health Psychology lab was constructed with relevant equipments to fulfill the needs of MS Health Psychology students.

INSTITUTE OF BIOCHEMISTRY & BIOTECHNOLOGY

Research Equipment

- 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. for the year 2014-15:

The infrastructure of School is distributed in three double storied buildings, adjacent to each other, which are provided with all fixtures and facilities of any modern Molecular Biology and Analytical Chemistry labs. Presently there are 14 functional and fully furnished laboratories with the necessary equipment for research work in the first building. The second building, which is replica of the first building, houses some specialized laboratories/facilities, for example, Animal Cell Culture, Radioactivity, Cold Room, HPLC, Proteomics, Atomic Absorption, Maldi-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 14000 sq.feet plinth has been being constructed. Which enabled the School to expand its existing research activities. The School had embark 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 the town in Punjab and other provinces of Pakistan. 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.

- Research Equipment **(Added during the said year)**

LIST OF EQUIPMENTS PURCHASED -2014-15

Sr#	Equipments Name	Specifications	Qty	Year
02.	Oven Memmert	Model: UNB-400, Make: Memmert Tem Range: Ambient +5 °C To 220 °C, Capacity: 53Ltr	03Nos.	2015
03.	Co2 Incubator	Model: INC153med, Make: Memmert, Temp Range: 20°C to 50°C, Voltage: 230V, Humidity Range: 88-97%, Co2 Range: 0-20%	02Nos.	2015
05.	2-D Gel Electrophoresis System	Model: Protean i121EF, Make: Bio-Rad USA, Tray Fox 13cm, Tray Fox 18cm, Tray 24cm, P2XL-wide format 1mm Tiflon Comb 15well 1mm	01No.	2015
06.	Trinocular Inverted Microscope	Model: XDS-2, Make: Optika Italy, Trinocular: 30° inclined 360° rotating, Distance: 48 to 75mm, Specimen stage: 250 x 230mm	01No.	2015
08.	Fume Hood	Make: Locally Fabricated 4ft Size: 54 x 54 x 26	04Nos.	2015
09.	Gel Dryer	Model: MG3545-110/220 Make: Major Science USA Mide: 35 x 45cm Dry Area: 13-78" x 17.72	01No.	2015
10.	Laminar Flow	Make: Locally Fabricated 4ft	04Nos.	2015
11.	Real Time PCR Machine	Model: Piko real 96 Make: Thermo Fisher USA 96 well piko PCR plate frame, 96 well piko PCR plate clear,	01No.	2015
12.	Ultrasonic Processor	Model: UP400S, Make: Hielscher Germany, Ultrasonic processor for stand operation, 400 watts, frequency 24KHz, Amplitude adjustable: 20- 100%	01No.	2015
13.	Gel Documentation System	Model: Omega Fluor, Make: Aplegen USA, Size: 28 x 18 x 17, 85lbs	01No.	2015
14.	FPLC System	Model: AKTA pure 25ml, with accessories Make: HVT Biotec Sweden	01No.	2015



15.	Water Bath	Model: 2838, Make: Thermo Fisher Scientific Chamber Capacity: 12Ltr Temp Range: Ambient to 99.9°C Dimension: 11.5 x 12.5 x 6 inch	02Nos.	2015
16.	Nitrogen Gas Generator	Model: NG6/-35-LC/MS Make: Wirac Automation Ltd. United Kingdom (UK)	01No.	2015
17.	Multimedia Projector	Model: P451X, 4500 Lumens X Make: NEC, GA Motorized projection Screen 10' x 8'	01No.	2015
26.	Shaking Incubator For Microplate	Model: Titramax 1000 Make: Heidolf Germany Vibrating plate form shaker titramx 1000, Heating Module.	01No.	2015
01.	New Rotary Vacuum Pump	Model: E2M28, 230V Make: Vacubrand Germany	01No.	2014
07.	HPLC System	Model: Quaternary Gradient micro, with instrument control & with built in 4 channel Degasser with HPLC Pump system quaternary Gradient, UV/Vis Variable Wave length Detector, Data System, Make: Sykam Germany	01No.	2014
24.	Gradient Thermo cycler PCR	Model: SC 300 Make: Kyrattec Australia Super Cycler Trinity Thermal Cycler	01No.	2014

○ **Construction projects:**

The construction of third block of School of Biological Sciences has been completed.

Faculty of Oriental Learning

DEPARTMENT OF URDU

Installed two Multimedia's in the Classroom.

DEPARTMENT OF KASHMIRYAT

14. Development projects (Laboratories (Nil), LIBRARY, etc.) (for the year 2013-14)

Sr. No.	Particulars	Available in 2014	Addition	Total
01	Books	5394	38	5432
02	Research Journals	256	10	266
03	Thesis (M.A)	284	02	286



04	Thesis (M.Phil)	05	02	07
05	Ph.D Dissertation	06	02	08

DEPARTMENT OF PUNJABI

- Installed one Multimedia's in Audio Visual Cell.

UNIVERSITY ORIENTAL COLLEGE

اورینٹل کالج لاہور: اورینٹل کالج لاہور کی دوسری بڑی لاہور کی ہے، جس میں زبان و ادب پر اہم اور نایاب کتب موجود ہیں۔ مین O لاہور کی نیو کیسٹن منتقل ہونے کی وجہ سے کالج کے اساتذہ اور طلبہ کے علاوہ دوسرے تعلیمی اداروں کے اساتذہ اور سکالر بھی استفادہ کے لئے آتے ہیں، اس لحاظ سے اورینٹل کالج لاہور کی اہمیت بہت بڑھ گئی ہے۔ لاہور کی کتب کی تعداد حسب ذیل ہے:

کالج سیکشن: 45567 عربی سیکشن: 10071 فارسی سیکشن: 8069

اردو سیکشن: 19704 ریفرنس سیکشن: 3083 لسانیات کتب: 2017

اورینٹل کالج پہلی کیشن: 12000 تھیسز (تفصیل کالج کے تدریسی شعبہ جات کی رپورٹ میں درج ہے)

کمپیوٹر لیب: اورینٹل کالج علامہ اقبال کیسٹن میں شعبہ اردو، فارسی، پنجابی، کشمیریات کے اساتذہ اور طلبہ کو تدریس و تحقیق کے سلسلے میں انٹرنیٹ اور کمپیوٹر لٹریچر کے لئے 47 کمپیوٹر پر مشتمل لیب موجود ہے۔ جب کہ شعبہ عربی اور انسٹیٹیوٹ آف لینگویجز کے اساتذہ و طلبہ کے لیے کالج کی سطح پر اورینٹل کالج قائد اعظم بلاک میں 10 کمپیوٹر سے انٹرنیٹ و کمپیوٹر لٹریچر لیب قائم ہے، جس سے بھرپور استفادہ کیا جاتا ہے۔

لینگویج لیب: مختلف زبانوں کے لہجے اور درست تلفظ کی ادائیگی کی تربیت کے لئے سمعی اور بصری آلات سے مزین ۱۰ سہیڈز پر مشتمل کالج کی سطح پر ایک لینگویج O لیب موجود ہے۔

Faculty of Pharmacy

UNIVERSITY COLLEGE OF PHARMACY

- Development projects
New Pharmaceutical Chemistry Research Laboratory for Postgraduates and refurbishment of pharmacognosy, physiology undergraduate have been established, renovation of other under graduate Labs, and Animal house have also been established.
- Research Equipment
Rotary Evaporator
- Construction projects
Tough tile flooring for College of Pharmacy.

Student Counseling and Career Guidance

We at College of Pharmacy provide counseling and career Guidance to our students, though we don't have a formal counseling and career guidance center. Each class has male and female tutors which have been taken from the faculty members. The students are advised to see their tutors for any guidance. The faculty members are available to every student for this service. Often it is announced in classes when they take lecture. We have a wide diversity of faculty with



expertise in several fields. Mostly students ask about the internship and Higher Education in Pharmacy. A dedicated person has been assigned to look after the internship program. Under this program the student are provided with the aims, information and the way to obtain placement for this internship. For higher education, depending upon the expertise, the faculty members have interactions individually as well as in class to counsel their students.

Faculty of Sciences

CENTRE OF EXCELLENCE IN SOLID STATE PHYSICS

7.1 Development projects (Laboratories, Libraries, etc)

Sr. No.	Duration	Sponsoring Agency	Funding
4.	½ Years	Higher Education Commission	0.500 (million)
5.	½ Years	Higher Education Commission	0.500 (million)
6.	3 Years	Higher Education Commission	11.160 (million)

7.2 Research Equipment **(Added during the said year)**

1. Ferroelectric Loop Tracer
2. M. Probe Visfiberoptics Spectroscopie Refletometer System

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Development Projects

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

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, Photographic Microscopes)

**COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES****7.1 Development projects (Laboratories, Libraries, etc.)****Library:**

New books have been added to the library and the number has increased beyond **3171**

7.2 Research Equipment

The following Research Equipments were purchased in Projects.

Sr. No.	Name of Equipment	Qty
1	Solid Phase Extraction Assembly	1
2	Oven	1
3	Gassifier	1
4	Shrider	1
5	Spectrophotomer	2
6	Centrifuge Shaker	1
7	Filtration Assembly	1
8	Water Bath	1
9	Sieve Shaker	1
10	Weeghing Balance	1
11	Hot Plate	1

7.3 Construction projects

1. The construction of first floor of Administrative block of the College has been completed. Eight faculty offices and four research laboratories have been constructed, Environmental Biotechnology Research Laboratory, Ecotoxicology Research Laboratory, Advanced Analytical Research Laboratory, Air and Noise Pollution Research Laboratory and Nanotechnology Research Laboratory.
2. A weather station has been constructed on the first floor of the College for studies pertaining to climate change.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES**7.1. 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.

7.2. Construction projects

- The construction work of administration block and four academic blocks have successfully completed and sifted there.



DEPARTMENT OF GEOGRAPHY

- Development projects (Laboratories, Libraries, etc.): *5 Labs. & One Library*
- Research Equipment: *Sound level meter and 13 computers*

DEPARTMENT OF MATHEMATICS

- Development projects (Laboratories, Libraries, etc.)
 - i. Four Computer Labs.
 - ii. One Library
- **Research Equipment**
 - 102 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.
- Furnishing of 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 (50 Computers)



- MS-Lab Old Campus (25 Computer)
- MS-Lab New Campus (15 Computer)
- Lab-A (95 Computer)
- Lab-B (60 Computer)
- Lab-C (100 Computer)
- Lab-D (100 Computer)
- Lab-A New Campus (60 Computer)
- Lab-B New Campus (60 Computer)
- MCSE Lab (50 Computer)

○ **Research Equipment**

The following research equipment was purchased for the said tenure.

Sr. #	Product
1	Mobile Phones (15)
2	Laptops (05)

○ **Construction projects**

- Two Academic Blocks
- Academic block with 12, state of the art Lecture Theater at old campus expected to complete by September 2017.

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 (Added during the said year)**

Following equipment was managed.

- PCR machine and UPS.
- High Speed centrifuge machine.
- Electrophoresis system for Proteins and DNA.
- HPLC.

○ **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.



Jhelum Campus

- Development projects (Laboratories, Libraries, etc.) **(for the year 2013-14)**
 - **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 **(Added during the said year)**
 - **117 Computers with all accessories.**



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

- Campus Management Solution **All results of CSAS are uploaded in CMS.**
- Web Portal (if available) - **YES**

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 (if available) (Yes)
- Campus Management Solution (if available) (Yes)

Faculty of Behavioral & Social Sciences

DEPARTMENT OF GENDER STUDIES

- Campus Management Solution
 - Trained the staff on handling the CMS. Presently entering data directly into the New software CMS
- Web Portal
 - Strengthening the website of the Department. Planning to start on-line short courses.

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.

DEPARTMENT OF SOCIAL WORK

- a) Department is also working on Campus Management Solution

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

8.1 – 8.6

The College has WiFi facility for Students and Staff members.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- Campus Management Solution Presently in operation
- Development of online admission system In progress

DEPARTMENT OF INFORMATION MANAGEMENT

- Digital Library

The teachers and students make extensive use of HEC online sources to fulfill their academic and research needs.

- The Department has developed its own digital library which is accessible on the intranet to the faculty and researchers
- Campus Management Solution
- The department has been entering its data in CMS and the work is in progress.
- Development of online admission system

We made use of the system as per requirement.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Campus Management Solution**

Campus Management Solution has been accelerated and required information have been uploaded in the CMS system.



Faculty of Law

PUNJAB UNIVERSITY LAW COLLEGE

- Campus Management Solution Yes

Faculty of Education

INSTITUTE OF EDUCATION & RESEARCH

- Digital Library Partially
- Video Conferencing (if available) Yes
- Campus Management Solution (if available) Yes

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- Digital Library (if available)

Higher Education Commission/Punjab University resources are available.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

8.1 Digital Library

The institute is currently being benefited from the digital libraries hosted by the HEC, PU located in the main library.

8.2 PERN

Faculty members are encouraged to utilize the PERN.

8.3 Video Conferencing

The Institute is utilizing video conferencing facility of the university on need basis.

8.4 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.

8.5 Web Portal

The Institute has a shared web portal with University of the Punjab.

8.6 Development of online admission system

The Institute of is planning to develop online admission system to facilitate the candidates in the admission process. However, merit lists are generated collectively for all Engineering disciplines using computer software. After admission process, a CMS formulated by HEC is introduced in the Institute to notify admission lists and results announcements.



INSTITUTE OF QUALITY & TECHNOLOGY MANAGEMENT

8.1.1 Digital Library: Digital Library service is available.

8.1.2 Video Conferencing facility is available in the University campus and can be arranged whenever needed.

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Digital Library (All the library books etc have been successfully digitalized through MLIMS Software)

Faculty of Oriental Learning

DEPARTMENT OF HINDI

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.

Faculty of Life Sciences

CENTRE FOR CLINICAL PSYCHOLOGY

- Campus Management Solution
CMS is used for the admissions, results, classes and accounts related activities.
- Web Portal
Information regarding Centre is available on Punjab University Web Portal.
- Development of online admission system
In future admissions will be conducted through online admission system through CMS.

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

8.1: Digital Library:

Digital library resources are available in the Centre as well as in the hostels for the students and faculty members.

8.2: PERN:

PERN 2 is operational for wired and wireless internet as well as intranet.

8.3: Video Conferencing:

Polycom VSX-7000 video conferencing solution is available for national and international communications.

8.4: Campus Management Solution:

Availing CMS deployed by the University of the Punjab.



8.5: Web Portal:

Website is available for the Centre <http://www.cemb.edu.pk>

DEPARTMENT OF ZOOLOGY

8.4 Campus Management Solution

Work is being done and an official has been assigned duties of CMS.

8.5 Development of online admission system

Work is being done and an official has been assigned duties of CMS. (data attached in cms formate)

DEPARTMENT OF BOTANY

- Campus Management Solution (if available) **Yes available**

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- Campus Management Solution
- Complete record of departmental students has been updated in CMS. Five office staff is continuously working on it.

INSTITUTE OF APPLIED PSYCHOLOGY

8.1 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.

8.2 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.

8.3 Video Conferencing

Presently institute strongly feels need of Video Conferencing facility and aims to develop infrastructure for the same.

8.4 Campus Management Solution

Campus Management Solution (CMS) is also in progress and all the data of the students is entered in this database every year after new admissions and passing out students results.

8.5 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.



8.6 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.

INSTITUT OF BIOCHEMISTRY & BIOTECHNOLOGY

<u>Digital Library:</u>	Under process
<u>PERN:</u>	Yes
<u>Video Conferencing:</u>	Yes
<u>Campus Management Solution:</u>	Under process
<u>Web Portal:</u>	Yes
<u>Development of online admission system:</u>	Under process

Faculty of Sciences

CENTRE FOR HIGH ENERGY PHYSICS

- Video conferencing

CHEP has Video conferencing facility especially for participation in BESIII Collaboration physics meetings or Collaboration meetings.

DEPARTMENT OF MATHEMATICS

- Campus Management Solution
Yes

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

8.1. Digital Library

Synchronization with PU Main Library for the use of digital library facilities to our students is under the way.

8.2. Video Conferencing

Presently not in operation, however, equipment & techniques are available in the College

8.3. 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.

8.4. Web Portal

Updated information regarding our College is available at www.pu.edu.pk

DEPARTMENT OF GEOGRAPHY

- Digital Library: Yes
- PERN: No
- 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](http://www.pu.edu.pk)

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

- **Digital Library**

Yes

- **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**

Completely redesigned and implemented PUCIT web page:
www.pucit.edu.pk

- **Development of online admission system**

Yes

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

8.1 Digital Library

Efforts are being made to convert the college library to a digital library. The whole data of books is being computerized.

8.2 Campus Management Solution

A CMS committee is continuously updating the data of the college in CMS

8.3 Web Portal

There is a plan to develop an official website of the college.

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

8.1 Digital Library:

PUGC library has the access to HEC Digital Library on JSTOR, Emerald, Springer Link and Wiley Online Library.

8.2 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.

8.3 Video Conferencing:

The equipment for video conferencing is available at PUGC.

8.4 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

Jhelum Campus

- | | |
|---|---------------|
| ○ Digital Library (if available) | Yes |
| ○ Campus Management Solution (if available) | under process |



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 (**for the year 2014-15**)

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 HISTORY & PAKISTAN STUDIES

- Alumni Affairs: Outstanding Achievements etc

Annual dinner of Old Historian Association was arranged in April 2015.

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.



INSTITUTE OF COMMUNICATION STUDIES

Department's role in building community:

Institute of Communication Studies is playing pivotal role in strengthening the community of the media professionals as well as community at the larger level. The Institute arranges various types of seminars, workshops, and lectures for highlighting and solving their issues related to the Pakistan society especially with reference to the media.

Alumni Affairs: Outstanding Achievements etc.

Meetings are causally held with the following significant Alumni.

Mr. Arif Nizami, Mr. Zahid Malik, Mr. Shuaib Bin Aziz, Mr. Shakoor Tahir, Mr. Asghar Abdullah, Mr. Sarwar Muneer Rao, Mr. Hamid Mir, Mr. Arshad Ansari, Dr. Waqar Chaudhry, Mr. Ashraf Azeem, Rizwan Ur Rehman Rizi Mr. Imran Mir, Taseer Mustafa, Muhammad Junaid, Muhammad Ajmal Jami, Nabeeha Ijaz, Huda Ikram, Sagheer Rame, Karmat Bhatti, Rameez Khan, Majid Nizami, Hafiz Usman, Asif Jafery, etc.

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ **Department-community interaction**

Efforts are made in this context through regular 'Field Work' activity and internship activities carried out in all the departments of this Institute.

Department's role in building community

Internship of students is an in-built component of the curriculum taught in all the department of ISCS. Through this activity students are given an understanding of the realities of issues discussed with them during their classes. Small projects are allocated to students concerning social welfare and urban development.

○ **Alumni Affairs: Outstanding Achievements etc.**

- The Annual get-together of Alumni Association of Punjab University Sociologists (AAPUS) was arranged at Institute of Social and Cultural Studies on 25th March, 2015. Various eminent sociologists attended this get-together.
- Many Alumnus of the Institute are pursuing higher academic degrees in various high profile universities across the globe. An Alumni directory is in process to compile the achievements of Alumnus

DEPARTMENT OF SOCIAL WORK

As a Faculty of Behavioral and Social Sciences, the Department took part in different workshops and seminars organized by Dean, Faculty of Behavioral and Social Sciences in the said year.

FACULTY OF COMMERCE

HAILEY COLLEGE OF BANKING & FINANCE

9.1

University – Community Interaction

We have organized interactive and religious culture in our college. We strictly observe discipline.



9.2

University's Role in Building Community:

SOPs set by University are strictly observed and implemented. Moral & Ethical values are strictly observed.

9.3

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

- o Department-community interaction
Prof. Qazi M. Farid Memorial Society

DEPARTMENT OF INFORMATION MANAGEMENT

- o Department-community interaction
- The year 2015 was a very significant one as the department turns of 100 years. PU took lead in the Asian Region by establishing a seat of formal learning in the discipline in 1915. Various events and activities were planned throughout the year to commemorate centennial celebrations of the Department. The very first event in this regard was "Meet & Greet Former Heads" held on 25th March 2015. Former heads of the department including Prof. Mumtaz Ali Anwar, Mr. Malik Bashir Tiwana, Mr. Malik Mushtaq Ahmad and Mr. Afzal Haq Qarshi were invited for the purpose to reconnect with the past. They shared their memories and contributions in the growth of library and information education at the University. Several prominent, senior professionals and students attended the ceremony. In the end Chairperson, Prof. Dr. Kanwal Ameen, shared the recent developments and the upcoming commemorative events including an international conference. The ceremony concluded with presenting shields to the invited guests.
- A ceremony for the formal commencement of early bird registration for International Conference on Information Management & Libraries (ICIML-2015) was held at the Department on Thursday 18 June, 2015 with the honorary registration of our five alumnae; Prof. Dr. Mumtaz Ali Anwar, Mr. Malik Bashir Tiwana, Mr. Afzal Haq Qureshi, Mr. Jamil Ahmad Rizivi and Mr. Rana Jammaat Ali. A gathering of PhD scholars along with DoIM faculty was there at the event. All the other participants got registered for ICIML during the ceremony. Ms. Amara Malik organized this ceremony
- The Department, in collaboration with the PU Library, National Book Foundation and PULISAA celebrated the World Book & Copyright Day on 22nd April, 2015 under the theme "Books: Building Blocks of a Civilized Society". A seminar, followed by an



awareness walk by the the faculty, students and professionals, was arranged. A number of professionals, teachers, media persons and students participated in the seminar. Vice Chancellor, PU Prof. Dr. Mujahid Kamran was the chief guest and renowned writer & poet Dr. Sughra Sadaf and prominent journalist & columnist Mr. Wasif Nagi were the guest speakers at the seminar. The speakers talked about the importance of book reading and appreciated the efforts of Dr. Mujahid Kamran and Prof. Dr. Kanwal Ameen in promoting reading culture at Punjab University. At the end, PU Library acknowledged book lover students by rewarding books prizes. In this regard the Department also arranged a quiz competition among students and winners of this competition were awarded books by National Book Foundation. Prof. Kanwal Ameen thanked Dr Shafiq Ur Rehman, Syeda Hina Batool and Hasseb Ahmad Piracha for working to make this event successful. At the end the participants bought books from NBF book stall.

- As mentioned above, the Department conducted collaborative workshops for librarians, researchers and faculty staff within and outside the Department.
- Department's role in building community
Through patronizing alumni association and organizing various activities, the Department is playing a pivotal role in bonding the community.

INSTITUTE OF BUSINESS ADMINISTRATION

- **Alumni Affairs: Outstanding Achievements etc.**

IBA Alumni Annual Dinner & General Body Meeting was arranged on Saturday December 13, 2014 at Qasr-e-Noor Community Centre, A Block, Model Town, Lahore.

Faculty of Engineering & Technology

CENTRE FOR COAL TECHNOLOGY

Department-Community Interaction: Department effectively interacts with the community including students' parents, consultants, industrialists and public media persons etc.

Department's role in Building Community: Centre for coal technology is playing a vital role in community building by providing consultancy and solutions to the local industries, which are switching to coal rapidly.

Alumni Affairs: Outstanding Achievements etc. Preparation of Alumni database is under progress.

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

9.1 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.



9.2 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.

9.3 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

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

DEPARTMENT OF ELECTRICAL ENGINEERING

9.3 Alumni Affairs: Department of Electrical Engineering has started back in 2005, Around 400 students has been graduated from this department. Lot of graduates are currently working in top government, research and multinational organizations within and outside Pakistan. Moreover our graduates got admissions in world best institutes for postgraduate studies.

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

9.3 Alumni Affairs:

Most of graduates are currently working in top government, research and multinational organizations within and outside Pakistan. Moreover our graduates got admissions in world best institutes for postgraduate studies.

Faculty of Islamic Studies

DEPARTMENT OF ISLAMIC STUDIES

- Department-community interaction (for the year 2014-15)
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

9.1: 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.



9.2: Department's role in building community:

Same as above

9.3: Alumni Affairs: Outstanding Achievements etc.:

List of Alumni and contact details has been prepared and available on web portal and a get together for alumni is in progress.

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

1. Department of Microbiology and Molecular Genetics is Member TWAS –UNESCO Associateship.
2. Dr Shahida Hasnain Member, Standing Committee on Science & Technology since 2010
3. Dr Shahida Hasnain Member, Technical Committee constituted by Ministry of Science & Technology for evaluation of CAMB , 2010
4. Dr Shahida Hasnain is Experts for Evaluation of Multidisciplinary Science Journals and Natural Science Journals, HEC, 2011-present
5. Dr Shahida Hasnain is Member Financial Assistance Committee for Multidisciplinary Science Journals and Natural Science Journals, HEC, 2015
6. Dr Shahida Hasnain is Member Board of studies, Hazara University ,Manshera
7. Prof. Dr Shahida Hasnain is National Distinguished Professor, HEC in MMG Department.
8. Dr Anjum Nasim Sabri is member , National curriculum Revision committee, in the subject of Microbiology
9. Dr. Anjum Nasim Sabri reviewed PSF project proposal technical reports as expert.
10. Dr. Anjum Nasim Sabri conducted Viva Voce examination and evaluated the theses of MS students of Earth and environmental sciences.
11. Dr. Anjum Nasim Sabri acted as expert in Public Service Commission selection (interview) committee for the subject biology.
12. Dr. Anjum Nasim Sabri Acted as expert for botany in selection committee of Women University Multan.
13. Dr. Anjum Nasim Sabri is Member board of studies of Microbiology and Molecular genetics department Women University Multan.
14. 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.
15. Dr. Sikander Sultan acted as External examiner for evaluation of Dissertation MPhil in Genetics, University of Hazara, Mansehra.
16. Dr. Sikander Sultan acted as expert for Botany in selection committee of Women University Multan.
17. Dr. Sikander Sultan acted as expert in Public Service Commission selection (interview) committee for the subject biology.



18. Dr. Muhammad Faisal acted as External examiner for evaluation of Dissertation MPhil and Ph.D. in Genetics, University of Hazara, Mansehra.
19. Dr. Muhammad Faisal is member of board of studies in Genetics, University of Hazara, Mansehra.
20. Dr. Muhammad Faisal is Member board of studies of Microbiology and Molecular genetics department Women University Multan.
21. Dr. Nazia Jamil reviewed and evaluated Ph.D. thesis entitled "PHA from microbial subpopulations in mixed culture" from Queensland University, Australia.
22. Dr Nazia Jamil is Member board of studies of Microbiology and Molecular genetics department Women University Multan.
23. Dr. Basharat Ali acted as External examiner for evaluation of thesis of BS and M.Phil. students at GCU, Lahore.
24. Dr. Imran Sajid acted as External examiner for evaluation of thesis of BS and M.Phil. students at LCWU, Lahore and UVAS, Lahore.
25. Dr. Zaigham Abbas 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.

Floriculture Research Farm

Sale of Plants at low price rate for communities as compared to the market Provide plants free of charge to the Pakistan Army for Shuhada Park in Lahore cantonment Board

Activities for the Awareness of the Society

Following activities has been organized by the department for the awareness of general public in the society.

Free Health Camp

Dates: 13th & 14th April, 2015

Time: 8:00-11:30 am

Venue: Department of Microbiology and Molecular Genetics (DMAG)
University of the Punjab, Lahore

"Sustained and regular screening for the early diagnosis of various diseases"

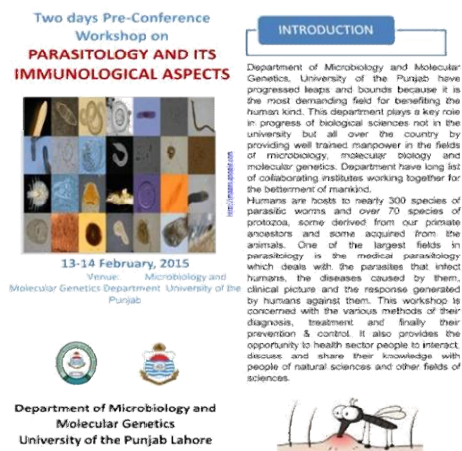
TEST OFFERED

- ✓HBV test
- ✓HBV test
- ✓HCV test
- ✓Fasting Glucose
- ✓Blood Pressure
- ✓Visceral Obesity
- ✓Body Mass Index (BMI)
- ✓Total Cholesterol
- ✓LDL-C (Bad Cholesterol)
- ✓HDL-C (Good Cholesterol)
- ✓Triglycerides
- ✓VLDL-C



Health camp for awareness

1. Organized, one day workshop on **Parasitology and immunological aspects** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore..13-14 February, 2015.



2. Organized, one day workshop on **Vaccinology**. Jointly organized by University of Lahore, PSM and Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. At Al Razi Hall Undergraduate studies, University of the Punjab.24 March, 2015. Organized 10th Biennial International conference of Pakistan Society of Microbiology. **“Exploring microbes for future endeavors**: In collaboration with Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore with PSM, American Society of Microbiology. 25-28 March, 2015.





3. Organized **series of lectures by Prof. Dr. Simon Silver**. Department of Microbiology and immunology. University of Illinois, Chicago. 1). Beyond the Fringe: When Science Moves from Innovative to Nonsense. 30,March,2015; 2) Out of Africa: Human Genome Diversity and Migration Over the Last 70,000 Years 31,March,2015; 3)Writing and Publishing a Scientific Manuscript: Radical Changes are now Happening. 01 April,2015; 4) Mega viruses. 02 April,2015.
4. Organized One day workshop on **Eucaryotic cell culture techniques** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.28 April, 2015.
5. organized one day workshop on **Western blotting** organized Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 5th May 2015.
6. organized one day workshop on **Ethical challenges in biomedical research**. Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. 23, May 2015.
7. organized one day seminar on **Targeted Cancer Therapy**” by Dr. Sairah Alvi. Director Scientific and Medical Affairs , 39 Windsor Drive Oak Brook IL 60523, At Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore. April 14th, 2015.



o **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

o **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 ZOOLOGY

9.1 Department-community interaction

The Department of Zoology organized Honey Bee Workshop annually, people from different fields attend this training course . especially private sector people take a lot of benefits.

DEPARTMENT OF SPORTS SCIENCES & PHYSICAL EDUCATION

- Department-community interaction (**for the year 2014-15**)

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

- **Department-community interaction**

Institute has very strong interaction with the farmers as well as agriculture community. Institute invites different agricultural resource persons for interaction with the students and for further collaboration with community.

Institute arranged different demonstration plots such as Kitchen gardening through which It help to interact with urban and rural communities

- **Department's role in building community**

Institute organized visit to farmer communities and different departments to understand the problems and issues of the farmers and try to highlight or provide the solutions of the specific problems

Institute arranges different events i.e. Annual function and Get together and invites all the peoples related with different communities

- **Alumni Affairs: Outstanding Achievements etc.**

Institute has developed very strong coordination with Punjab Agriculture extention department to promote the recent research and knowledge to the different communities.

Annual function was organized every year which produced excellent interaction with the societies



INSTITUTE OF APPLIED PSYCHOLOGY

9.1 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.

9.2 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.

9.3 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

- Alumni Affairs: Outstanding Achievements etc
 - 16 Graduates of the Department of Kashmiryat are teaching as Assistant Professor, Lecturer in Muzaffarabad University Azad & Jammu Kashmir, Post Graduate College, Kotli, Azad Kashmir, G.C University, Faisalabad, Shah Faisal University, Saudi Arabia.

DEPARTMENT OF PERSIAN

- Alumni Affaires: Outstanding Achievements etc
 - About 13 Graduates of the Department of Persian are selected as Lecturer in difference University and Colleges on internship basis for one year.

DEPARTMENT OF URDU

- Alumni Affaires: Outstanding Achievements etc
 - 35 Graduates of the Department of Urdu are selected as Lecturer in different colleges & universities through



Faculty of Sciences

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

University Building Communities

❖ 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 2015 (Special Day)

- The Centre celebrated four days "International Mountain Day 2015" from 8th Dec. to 11th Dec. 2015. The theme of this year "Promoting mountain products for better livelihoods" will focus on highlighting how mountain communities are protecting biodiversity by producing a large variety of typical products and providing crucial goods and services to all of us. 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 mountain community 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 GEOGRAPHICAL INFORMATION SYSTEM (GIS)

- University-community interaction (**for the year 2014-15**)

University has introduced Young Development Corp (YDC) program for the youth, one of our female student selected for this Corp.



CENTRE FOR UNDERGRADUATE STUDIES

University Building Community

- The Annual Sports gala and cultural day of Centre for Undergraduate Studies were held in March 2015. 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 2015 at the Annual Dinner Program. The sports program was a great success and was greatly appreciated by both students and teaching faculty.
- Like previous years, Center has successfully arranged field study tour to Rana Resort and Changa Manga Forest. 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, Ms. Arooj Nasir, Dr. Muhammad Younis and Dr. Asim Zafar participated as Judge in Punjab Science Fair 2014-15 that held from October 27-29, 2014 at Shaikat Khanum Memorial Cancer Hospital and Research Centre in collaboration with Intel Education Initiative and Pakistan Science Foundation.

COLLEGE OF STATISTICAL & ACTUARIAL SCIENCES

9.3. 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.*

INSTITUTE OF CHEMISTRY

There is strong interaction among the faculty members. There is small meeting arranged every day at 11:00 am in the institute where all the teachers are gathered and discuss different issues. At University level, lectures and seminars are arranged on regular basis. This could also provide a platform for the faculty members of the University to do interactions with other faculty members. Different events are also arranged in which students and teachers both participate that give the opportunity to students to get interact with the teachers.

INSTITUTE OF GEOLOGY

9.1 Department-Community Interaction

Institute of Geology provides expertise and consultancy services in the field of Geology to the various geological organizations in their ongoing projects in the country.



9.2 Department's role in building community

Faculty members, graduate and postgraduate students of the Institute Geology actively participate in various geological community services being organized by the geological associations like. Pakistan Association of Petroleum Geologists, Punjab Geological Society etc.

9.3 Alumni affairs: Outstanding achievements etc.

Constitution of Alumnae of the Institute of Geology is in progress.

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES

10.1 Department-community interaction

The College of Earth and Environmental Sciences is making all sorts of efforts to educate the masses on current environmental issues. On World Environment Day (June 5) awareness programs were arranged at the College.

1.2 Department's role in building community: A constructive role is being played by the faculty and students of the College.

Jhelum Campus

○ Department-community interaction (for the year 2014-15)

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.

○ Department's role in building community

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 TEACHING DEPARTMENT SPORTS ASSOCIATION****1. Badminton**

Date:	28-10-2014
Participating Teams:	09 Teams
Winner:	Shiblee College of Commerce Faisalabad.
Runner:	PUTDSA.
Third :	Govt. Degree College for Women Kot, Khawaja Saeed LHR.
Fourth:	Govt. Jinnah Degree College Mozang, Lahore.

2. Volleyball

Date:	30-10-2014
Participating Teams:	08 Teams
Winner:	PUTDSA.
Runner:	Govt. College for Women, Township, Lahore.
Third:	Govt. Islamia College for Women, Lahore Cantt.
Fourth:	Govt. Fatima Jinnah Degree College for Women, Chuna Mandi, LHR.

3. Wushu

Date:	29-11-2014.
Participating Teams:	06 Teams.
Winner:	Punjab University Teaching Department, Lahore.
Runner:	Kulliyat-tul-Banat Degree College for Women, Lahore.
Third :	Halley College of Commerce, University of the Punjab, Lahore.
Fourth:	University Law College New Campus Lahore.

4. Basketball

Date:	07-11-2014
Participating Teams:	05 Teams
Winner:	PUTD.
Runner:	Govt. College of Home Economics Gulberg Lahore.
Third :	Govt. College for Women, Baghbanpura, Lahore.
Fourth:	Himayat-e-Islam Degree College for Women, Lahore.

5. Cricket

Date:	13-11-2014
Participating Teams:	06 Teams



Winner: PUTD.
Runner: Govt. College for Women Township, Lahore.
Third : Govt. College of Home Economics Gulberg Lahore.
Fourth: Halley College of Commerce, University of the Punjab, Lahore.

6. Netball

Date: 10-02-2015
Participating Teams: 04 Teams
Winner: PUTD.
Runner: Himayat-e-Islam Degree College for Women, Lahore.
Third : Queen Mary College Lahore
Fourth: Kulliyatul Banat College Lahore

7. Handball

Date: 18- 11-2014
Participating Teams: 05 Teams
Winner: PUTD.
Runner: Govt. College for Women Baghbanpura, Lahore.
Third : Himayat-e-Islam Degree College Lahore.
Fourth: Govt. College for Women Township, Lahore.

8. Karate

Date: 21-11-2014
Participating Teams: 05 Teams
Winner: PUTD.
Runner: Queen Mary College Lahore.
Third : University Law College New Campus Lahore.
Fourth: Punjab university College of Information Technology.

9. Football

Date: 26-11-2014
Participating Teams: 04 Teams
Winner: Govt. College for Women Baghbanpura, Lahore.
Runner: Kulliya-tul-Banat Degree College for Women, Lahore.
Third : Himayat-e-Islam Degree College for Women, Lahore.

10. Rowing (Machine)

Date: 28-11-2014
Participating Teams: 06 Teams.
Winner: PUTD.
Runner: Queen Mary College Lahore.
Third : Punjab University Law College New Campus, Lahore.
Fourth: Govt. Fatima Jinnah College for Women, Chuna Mandi, LHR.

11. Taekwondo.

Date: 02-12-2014
Participating Teams: 07 Teams.
Winner: PUTD.



Runner: Govt. Guro Nanek Degree College for Women, Nankana Sahib.
Third : Govt. College of Home Economics Gulberg Lahore.
Fourth: Kulliya-tul-Banat Degree College for Women, Lahore.

12. Cycling.

Date: 06-02-2015.
Participating Teams: 08Teams
Winner: PUTD.
Runner: Kulliya-tul-Banat Degree College Lahore.
Third : Punjab University College of Art & Design Lahore.
Fourth: Punjab University College of Information Technology.

13. Netball.

Date: 10-02-2015.
Participating Teams: 04
Winner: PUTD.
Runner: Himatat-e-Islam Degree College Lahore.
Third : Queen Mary College Lahore.
Fourth: Kulliya-tul-Banat Degree College Lahore.

14. Hockey.

Date: 12-02-2015.
Participating Teams: 04 Teams
Winner: PUTD.
Runner: Govt. College for Women, Baghbanpura, Lahore.
Third : Govt. Fatima Jinnah College for Women, Chuna Mandi, Lahore.
Fourth: Kulliy-tul-Banat Degree College Lahoer.

15. Tennis.

Date: 17- 02-2015
Participating Teams: 04 Teams
Winner: PUTD
Runner: G.C.W Baghbanpura, Lahore.
Third: G.C.W Wahdat Road Lahore.
Fourth: Govt. Kuliyaatul Bant Girls College Lahore.

16. Table Tennis.

Date: 03-03-2015
Participating Teams: 04 Teams
Winner: Govt. College for Women Gujar Khan.
Runner: Punjab University Teaching Department.
Third : University College of Pharmacy P. U. Lahore.
Fourth: Govt. Degree College for Women, Kot Khawaja Saeed Lahore.

17. Athletics.

Date: 18-19.03.2015.
Participating Teams: 22 Teams.



Winner: PUTD.
Runner: Shablee College of Women Madina Town Faisalabad.
Third : Govt. Degree College for Women, Model town Gujranwala.
Fourth: Govt. College for Women Township, Lahore.
Best Athlete: Amna Siraj (74-Points).

Achievements

- Participated in for 9th National Women Wushu, 4-6, October, 2013.(Shumaila Khalid, Iqra Maroof, Faiza Aslam, Iqra Bukhari).
- Participated in for 45th National Athletics 19th May, 2013 Islamabad(Attiya, Sehrish Asghar, Kiran Butt, Asia Sattar, Hira Pervaiz).
- Participated in 9th Korean Ambassador Nat oval National Taekwondo 12-17, May, 2013 Islamabad(Mariam Altaf, Noor Asfia).
- 11th International Cycling Women Championship 2012-2013.(Sidra Ghulam Nabi, Asma Haq, Asia Tariq).
- Participated in South Asian Women Handball 14-17 March 2013 Lakhnow India. (Rooma Abbas Silver, Sadaf Rao, Amina Shahzadi).
- Tennis Training Camps 1st ECO University Games 2013 Turkey (Khunsha Babar, Natasha Qaiser).
- Chess Training Camps 1st ECO University Games 2013 Turkey (Maryam Asif Butt).
- National Youth and Junior Athletics Women championship 28-29 January, 2013 at Jinhah Stadium Islamabad.(Maryam Hameed).
- Saadia Khan Skiing Women Championship 15 to 27 January, 2013 at naltar Gilgist.(Rashida Waheed, Humeza Butt).

Scholarships for Players

Performance Based Monthly Scholarship

Sr. No.	Name	Game	Amount
1	Sehrish Asghar	Athletics	18,000/-
2	Rooma Abbas	BB,FB,NB,HB,	13,500/-
3	Nayyer Nasir	BB,HB,	7,000/-
4	Munazza Irum	Hockey	5,000/-
5	Bushra Nazir	Hockey	5,000/-
6	Shumaila Khalid	VB,FB, Hockey	10,000/-
7	Marrium Butt	Rifle Shooting, Rowing, Baseball	12,000/*-
8	Filza Aleem	Swimming, Judo, Rifle Shooting	14,500/-
9	Hunaiza Hanif	Karate	2,500/-
10	Saima Maqsood	Baseball	1,500/-



11	Farana Naz	Wushu	4,000/-
12	Sadia Latif	BB	4,000/-
13	Kinza Zubair	Wushu	4,000/-
14	Amna Mehboob	Squash	4,000/-
15	Humaiza Butt	FB,NB, Skiing	8,500/-
16	Asma Haq	Cycling	1,500/-
17	Saba Shabbir	Hockey	4,000/-
18	Ibra Sheikh	Hockey	4,000/-
19	Mehwish Dilshad	Karate	2,500/-
20	Fouzia Perveen	Karate	4,000/-
21	Qurat-ul-Ain	Karate	2,500/-
22	Aisha Yousaf	Hockey	2,500/-
23	Sidra Ashfaq	Judo	4,000/-
24	Gulbreen	Wushu	2,500/-
25	Komal Emmanuel	Wushu	4,000/-
26	Natasha Zaman Khan	Skiing	1,500/-
27	Ishrat Iqbal	Athletics	1,500/-
28	Rubab Imtiaz	Badminton	7,000/-
29	Robina Kausar	VB,NB,BB,	7,000/-
30	Sammia Haider	VB, NB, BB	15,000/-
31	Asia Sattar	BB, VB, HB, Athletics	17,000/-
32	Sadia Khaliq	Rowing,BB, Athletics	22,500/-
33	Samar Anjum	Squash	8,500/-
34	Noor Asfia	Taekwondo	8,500/-
35	Shumaila Nazir	Taekwondo	5,500/-
36	Urooj Sohail	Rifle Shooting	19,000/-
37	Sumaira Zahoor	Taekwondo	8,000/-
38	Attaiya Sultana	Athletics	5,500/-
39	Sonia Manzoor	Judo	8,500/-
40	Kashaf Javed	Judo	4,000/-
41	Iqra Maroof	Wushu	7,500/-
42	Iffrah Atif	Swimming	13,500/-
43	Adeela Saeed	Ju-Jitsu	4,500/-
44	Summiya Farukh	Football	4,500/-
45	Madiha Hussain	Karate	2,500/-
46	Marium Lodhi	Karate	2,500/-
47	Ume Kalsoom	Baseball	5,000/-
48	Rabia Akbar	Tennis	4,000/-



49	Ansa Ali	Karate	2,500/-
50	Marium Altaf	Taekwondo	2,500/-
51	Sehrish Naz	Table Tennis	1,500/-
52	Saira Zulfiqar	Football, Baseball	4,500/-
53	Ujala Abid	Swimming	4,500/-
54	Zunaira Liaqat	Rifle Shooting	4,500/-
55	Fatima Zahid	Football	4,000/-
56	Bushra Mehmood	Ju-Jitsu	4,000/-
57	Asia Tariq	Cycling	4,000/-
58	Barka Lodhi	Netball	7,000/-
59	Rabia Liaqat	Baseball	4,500/-
60	Maria Javed	Netball, Rowing	7,000/-
61	Uzma Farooq	Wushu	4,000/-
62	Kiran Yaqoob	Athletics	4,000/-
63	Romna Liaqat		2,500/-
64	Syeda Huda	Football	4,000/-
65	Ishrat Begum	Hockey	2,500/-
66	Mah Para Gull	Badminton	7,000/-
67	Saba Tahir	BB, HB,	7,000/-
68	Nadia Naseem	BB	1,500/-
69	Razia Hanif	Volleyball, Rowing	24,000/-
70	Ghazala Javed	Rifle Shooting	31,000/-
71	Saima Shehzadi	Athletics	4,000/-
72	Sadaf Rao	Football, Handball, Netball	11,000/-
73	Amna Shehzadi	Handball	4,000/-
74	Nazia Saba	Handball	4,000/-
75	Kanwal Naz	Judo, Ju-Jitsu	5,500/-
76	Amna Siraj	Athletics	14,000/-
77	Ayesha Zaman	Hockey	4,000/-
78	Aneela Gulzar	Athletics	4,000/-
79	Irum Rathore	Baseball, Rowing,	4,500/-
80	Azra Farooq	VB, FB, Tennis	13,500/-
81	Umaiza Bashir	Hockey	5,000/-
82	Hina Pervaiz	Athletics	6,000/-
83	Sidra Kanwal	Chess	4,000/-
84	Sobia Ghafoor	Volleyball	4,000/-
85	Sadia Baloch	Volleyball	8,000/-



86	Rabia Kanwal	Volleyball, Handball	7,000/-
87	Abida Saddique		1,500/-
88	Naima Nadim	Rifle Shooting	5,000/-
89	Kiran	Table Tennis	1,500/-
90	Natalia	Table Tennis	1,500/-
91	Asifa	Table Tennis	1,500/-
92	Mahnoor Hamid		7,000/-
93	Samra Sultana		2,500/-
94	Rabeel Arshad		1,500/-
95	Haleema Sadia	Volleyball	4,000/-
96	Munaza Illyas	Volleyball	7,000/-
97	Mah Noor	Taekwondo	22,500/-
98	Mavra Syed	Tennis	4,000/-
99	Irsa Khawer	Chess	4,000/-
100	Rubab Afzal		5,500/-
101	Sana Amjad	Hockey	4,000/-
102	Rashida Malik	Hockey	4,000/-
103	Amina Ghaffar	Hockey	4,000/-

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**able Tennis Championship**

Date: 13-17/04/2015

Venue: Bahria University Islamabad.

Position: Second

Participants: Mahrukh Ahsan, Sehrish Naz, Nairus Fareed, Asifa Zafar, Natalia Firdous, Kiran Shaheen, (University of the Punjab, Lahore).

Hockey Championship.

Date: 22-27/04/2015

Venue: K.C. Univesity of Lahore.

Position: Winner.



Participants: Munazza Iram, Bushra Nazir, Shamaila Khalid, Rashida Malik, Anazza Bashir, Sana Amjad, Ibra Sheik, Saba Shabeer, Azra Farooq, Sidra Ashfaq, Bushra Fareed, Sehrish Abdul Waheed, Amina , Mehwish Rafiq, (University of the Punjab, Lahore).

Cricket Championship.

Date: 22-27/04/2015

Venue: K.C. Univesity of Lahore.

Position: Third.

Participants: Saima Maqsood, Nadia Naseem, Saira, Summyia Farrukh, Umme Kalsoom, Rabia Akbar, Gulnaz Nasir, Sadia Abdul Khaliq, Badar-un-Nisa Shaukat, Rabai Liaqut, Rabia, Irum Shahzadi, Azra Farooq, Farzana Shafi, Nooreena Khalil, Sehrish Maqsood, (University of the Punjab, Lahore).

Athletics Championship.

Date: 25-27/04/2015

Venue: University of the Punjab, Lahore.

Position: Winner

Participants: Sehrish Asghar, Kiran Yaqoob, Sadaf Parveen, Attiya Sultana, Aneela Gulzar, Abida Siddique, Amna Saraj, Sadia Abdul Khaliq, Gulnaz Nasir, Arzoo Ashraf, Noor Asfia, Safia Ashiq, Mamoonah Salah, Sehrish, (University of the Punjab, Lahore).

Taekwondo Championship.

Date: 02-05/05/2015

Venue: Karachi University.

Position: Second.

Participants: Shumaila Nazeer, Noor Asfia, Hina Ashiq, Laila Saman, Samrina Safdar, Mariam Altaf, Shamsa Khadim, Rabeel Arshad, Samra Sultana, Mahnoor Hamid, Sumaira Zahoor, Rubab Irshad, Rabai Tabusim, (University of the Punjab, Lahore).

Swimming Championship.

Date: 02-05/05/2015

Venue: Iqra University, Karachi.

Position: First.

Participants: Filza Aleem, Iffra Atif Malik, Ujala Abid, Mahnoor, Aleena Haseeb, (University of the Punjab, Lahore).

Volleyball Championship.

Date: 13-15/05/2015

Venue: SBBU, Peshawar.

Position: Winner.

Participants: Arzoo Ashraf, Sadia Balouch, Munaza Ilyas, Azra Farooq, Sobia Ghafoor, Rabia Kanwal, Razia Hanif, Tahira Ayub, Haleema Sadia, Shamaila Khalid, Qurat-ul-Ain, Saba Arshed, (University of the Punjab, Lahore).

Basketball Championship.

Date: 16-20/05/2015

Venue: Bahria University Islamabad.

Position: Runners-Up



Participants: Samia Haider, Saba Tahir, Sadia Latif, Barka Lodhi, Nazia Saba, Deborah Martin, Rooma Abbas, Amna Shehzadi, Sehrish Maqsood, Sadaf Perveen, Bushra Fareed, Azra Farooq, (University of the Punjab, Lahore).

Football Championship.

Date: 01-05/06/2015

Venue: University of Lahore.

Position: Winner.

Participants: Fatima Zahid, Sayyada Huda Sabzwari, Nooreena Khalil, Saira, Shumaila Khalid, Humeza Riaz, Qurat-ul-Ain, Sadaf Perveen, Amina Shehzadi, Mehwish Rafiq, Amna Saraj, Azra Farooq, Irum Shahzadi, Sumaira Yasmeen, Summiya Farrukh, Sohaila Rahman, (University of the Punjab, Lahore).

Baseball Championship.

Date: 01-05/06/2015

Venue: University of Sargodha.

Position: Third

Participants: Sadia Abdul Khaliq, Azra Farooq, Umme Kalsoom, Iqra Maroof, Nadia Naseem, Saira, Summyia Farrukh, Zunaira Liaqat, Rabia Liaqut, Saima Maqsood, Irum Shahzadi, Noreena Khalil, Muafia jamal, Rabai Akbar, Gulnaz Nasir, (University of the Punjab, Lahore).

Badminton Championship.

Date: 01-05/06/2015

Venue: University of Sargodha.

Position: Winner.

Participants: Mehpara Gul, Kousar javaid, Ghazala Javed, Rubab Imatiaz, Aliya Ashiq, Aqsa Zakariya, (University of the Punjab, Lahore).

Rifle Shooting Championship.

Date: 07-12/06/2015.

Venue: Comsat University, Islamabad.

Position: Winner.

Participants: Filza Aleem, Zunaira Liaqat, Arooj Sohail, Ghazala Javed, Naima Nadeem, Rubab Afzaal, Mahnoor Zahid, (University of the Punjab, Lahore).

Special Thanks

I like to share these moments of pride with you for your contributions which helped us nurture the games during all kind of uncertainties. Allhamdolillah – All of us remained committed.

Punjab University Women Sports Department is grateful to the worthy Vice- Chancellor University of the Punjab, Prof. Dr. Mujahid Kamran for his vision and all out support for the promotion of the women sports and the Punjab university Administration especially Registrar and Treasurer for their timely approvals / execution of our plans.

We are thankful to the Principals and Physical Education staff from all affiliated / constituted Colleges for their participation and making our tournaments successful.



We are thankful to all Technical officials for their assistance in organizing events in most transparent way. We are thankful to our Coaches who trained our athletes to win laurels for Punjab University. We are thankful to the parents who trusted us and had given permission to the players to participate in sports.

I am thankful to my team including office Staff, Deputy Directress Sports (W) for their support in sharing the responsibilities.

For us it should be the beginning only for a prosperous tomorrow as we have to go a long way. Let us join our hands together to make Punjab University sports grow and glow. I hope that we will take on from now onwards and make it to the new heights InshaAllah.

*May our courage be indomitable!
May our efforts be Indefatigable!
May our hopes Eternal!
So why should we fail
May God Bless our Efforts!
Pakistan Zindabad*

Punjab University Sports Department for Men

During the session for the year 2014-15 the Punjab University Sports Department (Men), not only conducted Inter-Collegiate sports tournaments in various games and sports, but also selected, trained and managed University Teaching Departments combined teams as well as Punjab University teams for their participation in the University Inter-Collegiate and Inter-University Championships.

The standard and performance of both University Teaching Departments and Punjab University teams had been remarkably praise-worthy. P.U.T.D. got around Champion in the University Inter-Collegiate tournaments; Punjab University team also got around Runners-up' Position in the Inter-University Championship.

The details of achievements of Punjab University teams in the Inter-University tournaments are as under:

Sr. No.	<u>Name of Game</u>	<u>Position Secured</u>
1.	Athletics	Winner
2.	Boxing	Winner
3.	Table Tennis	Winner
4.	Squash	Winner
5.	Badminton	Winner
6.	Weight Lifting	Runners-Up
7.	Wrestling	Runners-Up
8.	Basketball	Runners-Up
9.	Rifle Shooting	Runners-Up
10.	Judo	Runners-Up
11.	Rugby	Runners-Up
12.	Taekwondo	Runners-Up
13.	Body Building	Third
14.	Cricket	Third



15. Handball	Third
16. Swimming	Forth
17. Mountaineering	Forth
Total	
Gold	5
Silver	7
Bronze	3
4th Position	2
No. Position	6
No. Organized	12

As mentioned on pre page , Inter-Collegiate tournaments in 08 different disciplines were held and member of teams from affiliated Colleges and constituent Institutions participated. The results were as under:-

<u>Games</u>	<u>Winner</u>	<u>Runners-up</u>
Badminton	P.U.T.D.	Hailey College of Commerce.
Basketball	P.U.T.D.	Hailey College of Commerce.
Football	P.U.T.D.	P.U. Law College, Lahore
Chess	PUTD	P.U.C.I.T.
Volleyball	P.U.T.D	P.U.C.I.T.
Table Tennis	H.C.C., Lahore	P.U.T.D.
Athletics	P.U.T.D	Ikhwan Sc. College, Barki
Wushu	P.U.T.D	H.C.C., Lahore

P.U.T.D. Secured first position by getting 77 Points. Hailey College of Commerce was second with 31 points; whereas Punjab University College of Information & Technology secured Third position with 14 points.

Punjab University combined Teaching Departments teams were duly selected, their camps training were arranged. Their participation in the University Inter-Collegiate tournaments was ensured. The detail of performance of these teams is given hereunder:-

<u>Sr. No.</u>	<u>Name of Game</u>	<u>Results</u>
1.	Badminton	Winner
2.	Football	Winner
3.	Basketball	Winner
4.	Volleyball	Winner
5.	Chess	Winner
6.	Athletics	Winner
7.	Wushu	Winner
8.	Table Tennis	Runners-up

The performance of PUTD teams & players on pre page Championships was really praise-worthy. Out of major Colleges, the P.U.T.D. got the distinction of 'Overall Winner – a rare achievement.

Apart from arranging/managing, Inter-Department tournaments in Badminton, Hockey, Football, Table Tennis, Basketball, Tug-of-War, Cricket, Chess & Volleyball were conducted in which a large number of student-players of the University Teaching Departments/ Institutes actively and keenly participated. The results and positions obtained by these Departments/Institutes are as such:



<u>Game</u>	<u>Winner</u>	<u>Runners-up</u>
Badminton	Chem. Engg. & Tech	I.A.S.
Basketball	Sports Sciences	Communication St.
Football	I.B.I.T.	Chem. Engg. & Tech
Cricket	Sports Sciences	Sh. Zayed Islamic Centre
Chess	I.B.A.	I.Q.T.M.
Hockey	Communication St.	Applied Psychology
Tug-of-War	Sports Sciences	Communication St.
Table Tennis	Sports Sciences	Chem. Engg. & Tech
Volleyball	Sports Sciences	Chem. Engg. & Tech

Sports Sciences won the title of 'All-round Champions' with 35 points while Institute of Chemical Engg. & Technology was 'All-round Runners-up' with 21 points.

Furthermore, vast area of playing-fields both at Old and New Campuses, Boat Club, Physical Fitness Centre and New Campus, Swimming Pool are properly looked after, up kept and maintained in a befitting manner.

In brief, the work and performance of Punjab University Sports Department (Men), remained highly satisfactory for the sessions 2014-'15. It is further added that National Games results, Intervarsity and Inter Collegiate are enclosed. List of Students/Players awarded scholarship on the basis of Performance of HEC as well as National levels is also enclosed.

Inter-University Result

Gold	05
Silver	07
Bronze	03

Athletics

Gold	09
Silver	10
Bronze	05

Rifle Shooting

Gold	12
Silver	04
Bronze	10

Body-Building

Gold	00
Silver	01
Bronze	04

Weight Lifting

Gold	01
-------------	-----------



Silver 04

Bronze 02

Wrestling

Gold 00

Silver 04

Bronze 03

Boxing

Gold 04

Silver 02

Bronze 01

Taekwondo

Gold 05

Silver 07

Bronze 03

Judo

Gold 02

Silver 04

Bronze 02

Swimming

Gold 01

Silver 06

Bronze 03

Inter-Collegiate

Punjab University Teaching Departments

Gold 7

Silver 1

Bronze 00

Over All Total Medal

Gold 56



Silver 60

Bronze 36

List of Scholarship on Performance Base of HEC and National Level for session 2014-15

Sr. No.	Name	Game	Department	Performance detail
1	Muhammad Zahid	Athletics	Chem. Engg.	HEC Gold, National Bronze
2	M. Adnan Jahangir	Athletics	IBA	HEC 2 Gold, 1 Silver International
3	Khurshid Ahmad	Athletics	Sports Sciences	HEC 1 Bronze,
4	Ali Raza	Athletics	Sports Sciences	HEC Gold International
5	Hafiz Shahbaz ali	Athletics	Sports Sciences	HEC 1 Silver, 1 Bronze International
6	Majid Ali	Athletics	Sports Sciences	HEC 1 Silver
7	Huzran Khan	Athletics	Sports Sciences	HEC 1 Silver & 1 Bronze
8	Shahid Nawaz	Athletics	Sports Sciences	HEC 1 Silver
9	Shah Behram	Athletics	Sports Sciences	HEC Gold
10	M. Shafiq Bajwa	Athletics	Sports Sciences	HEC 2 Gold 2 Silver International
11	Musawar Rehman Iqbal	Athletics	Sports Sciences	HEC 1 Gold 1 Silver & 1 Bronze
12	Farhan Haider	Athletics	IBIT	HEC 2 Gold 2 Silver & 2 Bronze
13	Asmat Ullah	Athletics	IQTM	HEC 2 Silver
14	Muhammad Yasir	Athletics	Akhwan Sc. Col. Barki	HEC 1 Silver
15	Muhammad Nasir	Athletics	Sports Sciences	HEC Gold International
16	Muhammad Irfan	Athletics	Sports Sciences	HEC 1 Gold
17	Aoun Abbas	Badminton	Urdu Department	HEC Gold
18	Anjum Bashir	Badminton	IBIT	HEC Gold
19	Rana Hussain	Badminton	PUCIT	HEC Gold
20	Hafiz Nadeem	Badminton	Islamic Studies	HEC Gold
21	Naeem Ashraf	Badminton	IAS	HEC Gold
22	Mohsin Ali	Body Building	Sports Sciences	HEC Bronze
23	Hafiz Wasif Robani	Body Building	GC	HEC Silver
24	Hamza Zameer	Body Building	Chem. Engg.	HEC 1 Bronze
25	Irtaza Zulfikhar	Body Building	Sports Sciences	HEC Bronze



26	Muhammad Sulman	Body Building	Mass. Com	HEC Silver
27	Waseem Saleem	Boxing	HCB&F	HEC Gold
28	Junaid Mushtaq	Boxing/Wushu	Sports Sciences	HEC Gold
29	M. Noor Hassan	Boxing	Nobel College	HEC 1 Silver
30	M. Arslan Ullah	Boxing	PUCIT	HEC Silver
31	M. Waqqas	Boxing	Nobel College	HEC 1 Bronze
32	Ahmad Akram	Cricket	IBA	HEC Bronze
33	Nadeem Akmal	Cricket	HCB&F	HEC Bronze
34	M. Moshan	Cricket	HCC	HEC Bronze
35	Hafiz Saad bin Khalid	Cricket	HCC	HEC Bronze
36	Ahmad Rashid	Cricket	Sports Sciences	HEC Bronze
37	M. Umer Ali	Cricket	Sports Sciences	HEC Bronze
38	Ahsan Tariq	Cricket	Economics	HEC Bronze
39	H. Rana Sherhroze	Cricket	HCB&F	HEC Bronze
40	M. Noman Butt	Cricket	Sports Sciences	HEC Bronze
41	Sajjawal Javaid Butt	Cricket	P.U. Law	HEC Bronze
42	Muhammad Azeem	Cricket	Mass. Com	HEC Bronze
43	Ali Nayle	Cricket	H.M	HEC Bronze
44	M. Zain Islam	Cricket	Sports Sciences	HEC Bronze
45	Faizan Ali Butt	Cricket	HCC	HEC Bronze
46	Wajjid Ali	Cricket	Geology	HEC Bronze
47	M. Sarmad Wali	Cricket	Geography	HEC Bronze
48	Rajab Iqbal	Handball	Sports Sciences	HEC Bronze
49	M. Ghazanfar Shah	Handball	IQTM	HEC Bronze
50	Umair Younis	Handball	HCC	HEC Bronze
51	Irfan Mehboob	Handball	HCC	HEC Bronze
52	Waqar Amjad	Handball	PUCIT	HEC Bronze
53	Amir Hamza Butt	Handball	Gujranwala Campus	HEC Bronze
54	Ali Iftikhar Butt	Handball	HCB&F	HEC Bronze
55	Muhammad Zahid	Handball	Sports Sciences	HEC Bronze
56	Asif Muneer	Handball	Nobel College	HEC Bronze
57	Hafiz Muhammad Rafiq	Judo	Sports Sciences	HEC Silver
58	M. Arsalan Azhar	Judo	Gujranwala Campus	HEC Bronze
59	M. Jazib Manzoor	Ju-Jitsu	HCB&F	HEC Silver
60	Shamraiz Akhtar	Ju-Jit/Wres.	Sports Sciences	HEC Silver & Bronze
61	Salman Feroze	Judo / Wrestling	Statistics	HEC Gold & Silver



62	Hussain Nazir	Basketball	PUCIT	HEC Silver
63	Kaleem Ullah	Basketball	Geology	HEC Silver
64	Kibriya Butt	Basketball	Earth Env. Science	HEC Silver
65	Haris Waheed	Basketball	PUCIT	HEC Silver
66	Saad Aslam	Basketball	Chem. Engg.	HEC Silver
67	Shahzaib Sarwar	Basketball	Earth Env. Science	HEC Silver
68	Saboor Mehdi	Basketball	HCC	HEC Silver
69	Zahid Arif	Basketball /H.ball	Sports Sciences	HEC Silver & Bronze
70	Aqib Riaz	Basketball	PUCIT	HEC Silver
71	Hafiz Wrwah Bin Asif	Basketball	Fine Arts	HEC Silver
72	Safeer Rehmat	N.ball/Handball	ICS	HEC Gold & Bronze
73	Haris Daar	Netball	BBA	HEC Gold
74	Sannan Khurshid	Netball	PUCIT	HEC Gold
75	Muhammad Bilal	Netball/H.ball	PUGC	HEC Bronze
76	Shoaib Yahya	Netball/H.ball	PUCIT	HEC Bronze
77	Mian Danish Quddos	Rifle Shooting	PU Law College	HEC 3 Gold & 1 Silver
78	Mian Sajjad	Rifle Shooting	HCC	Team 2 Bronze
79	Ahmad Niaz Khan	Rifle Shooting	HCB&F	HEC 1 Gold
80	Mujtaba Ahsan	Rifle Shooting	Law College	HEC 1 Bronze
81	Abdul Wahab	Rifle Shooting	Sports Sciences	HEC 2 Gold & 5 Bronze
82	Hamza Naveed Malik	Rifle Shooting	Fine Arts	HEC 2 Gold 1 Silver & 1 Bronze
83	M. Kamran Latif	Rifle Shooting	PUCIT	HEC 2 Gold & 1 Silver
84	Musab Zahid	Rifle Shooting	Chem. Engg.	HEC 1 Gold & 1 Bronze
85	Turrah Ali	Rifle Shooting	PUCIT	HEC 3 Gold , 1 Silver & 4 Bronze
86	M. Ghalib Javed	Rugby	PUCIT	HEC Silver International
87	Abdul Ahad	Rugby	IBA	HEC Silver International
88	Kamal Ahmad	Rugby	PUCIT	HEC Silver International
89	Ghalib Asghar	Rugby	Law College	HEC Silver International
90	Muhammad Abdullah (D)	Rugby	Sports Sciences	HEC Silver International
91	Khurram Saleem	Rugby	Chem. Engg.	HEC Silver International



92	Usman Chaudhry	Rugby	IBA	HEC Silver International
93	Ali Raza	Rugby	Applied Physiology	HEC Silver International
94	Rehman Ullah	Rugby	Chem. Engg.	HEC Silver
95	Abdul Jabbar	Rugby	Sports Sciences	HEC Silver
96	Areeb Ali	Rugby	Nobel College	HEC Silver International
97	Sana Ullah	Swimming	IBA	HEC Bronze
98	Sami Ullah	Swimming	IBA	HEC 1 Gold, 5 Silver & 1 Bronze
99	Raza Asif Majeed	Swimming	IBIT	HEC Bronze
100	Abdullah	Swimming	Chem. Engg.	HEC 1 Silver
101	Arslan Asad	Taek. Karate	Law College	HEC 1 Gold International
102	M. Faheem Khan	Taekwondo	CEES	HEC 1 Gold & 2 Silver International
103	Hidayat Ullah	Taekwondo	Sports Sciences	HEC Gold
104	Faisal Nazir	Taekwondo	Special Education	HEC 2 Silver
105	Jibran Asad	Taekwondo	Geology	HEC Gold
106	Nouman	Taekwondo	Sports Sciences	HEC Bronze
107	Sufiyan Anayat	Taekwondo	Sports Sciences	HEC 2 Silver, 1 Bronze
108	Muhammad Zubair	Taekwondo	Sports Sciences	HEC 1 Silver
109	Mazher Ali Khan	Taekwondo	IQTM	HEC Bronze
110	Subhan Asim	Table Tennis	PUCIT	HEC Gold
111	Tauheed ur Rehman	Table Tennis	IBA	HEC Gold
112	Abid Iqbal	Table Tennis	PUCIT	HEC Gold
113	Hasham Ahmad	Table Tennis	Earth Env. Science	HEC Gold
114	Tajjamal Hussain	Weight Lifting	PUGC	HEC Silver
115	Usman Awan	Weight Lifting	Sports Sciences	HEC Silver
116	Ahsan Anwar	Weight Lifting	Sports Sciences	HEC Bronze
117	Alamgir Mustafa	Weight Lifting	Sports Sciences	HEC Bronze
118	Salman Aqeel	Weight Lifting	Sports Sciences	HEC Gold
119	Muhammad Arslan	Weight Lifting	Gujranwala Campus	HEC Silver
120	M. Umer Anwar	Weight Lifting	IBA	HEC Silver
121	Ahmad Latif	Wrestling /Judo	Nobel College	HEC 2 Silver
122	Muhammad Ibrahim	Judo	Chem. Engg.	HEC 2 Silver & 1 Bronze



123	Jahazaib Butt	Wrestling	English	HEC 1 Silver
124	Maaz Khan	Wushu	Sports Sciences	International Gold
125	M. Amir Ahmad	Wushu	Hotel Management	HEC Bronze
126	Mirza Arslan Azam	Wrestling/Archery	Zoology	HEC Gold
127	Amir Khan (D)	Wushu, Boxing	Sports Sciences	HEC Gold

Faculty of Behavioral & Social Sciences

INSTITUTE OF SOCIAL & CULTURAL STUDIES

○ Inter-departmental sports

Sports gala and cultural day was celebrated in March 2015.

Faculty of Commerce

HAILEY COLLEGE OF BANKING & FINANCE

10.1 Inter-Departmental Sports

Our College participated in several Inter-Departmental. Sports activities namely; Cricket, Hockey, Football, Badminton, Table Tennis, Wushu, Kabbadi, Volleyball, Athletics, Cycling, Tackwondo and Rifle Shooting etc. We have achieved greater heights and also won several medals.

10.2 Participation in National Championships:

Our students have participated in various National Championships. One of our female students of MBA (MS) **Ms. Sehrish Asghar** achieved high position and won several gold, medals in 100,200 & 400 meters Relay Races in the National Championships.

Two students of our College named **Hafiz Shah Rukh** and **Hassan Obaid Farooqi** were the members of the team which established Guinness Book of World record in Hockey (Dribbling and Passes). The broke the 20 years record set by the Players of India and Holland.

Mr. Sajid Ali secured bronze medal in World Kunfu Championship held in Beijing (China).

10.3 Achievements at National Level:

As stated in 10.2 above.



10.4

Incentives and Honors / Awards for Sports Persons:

As an appreciation we present cash awards, role of honor, shield etc. to outstanding Sports persons.

Faculty of Islamic Studies

SHEIKH ZAYED ISLAMIC CENTRE

- **Inter-departmental sports (for the year 2014-15) Gender wise details**

The students of the Centre participate in inter-departmental sports organized annually by the Sports Department, University of the Punjab, Lahore.

Faculty of Economics & Management Sciences

DEPARTMENT OF ECONOMICS

- Inter-departmental sports
Participation in Cricket, Hockey and Football and Tug of War games in tournament at university level.
- Incentives and honors/ awards for sports persons
Distribution of cash and other prizes by Prof. Qazi M. Farid Memorial Society

INSTITUTE OF BUSINESS & INFORMATION TECHNOLOGY

a. Inter Departmental Sports: 1st in Inter department Football and 3rd in Tug of War.

DEPARTMENT OF INFORMATION MANAGEMENT

Annual sports were held in March 2015.

Faculty of Life Sciences

CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY

10.1: Inter-departmental sports:

Sports such as Badminton, Cricket matches, Football, Chess, Table Tennis, Luddo matches are organized among students and faculty members.

10.4: Incentives and honours/ awards for sports persons:

Certificates and trophies are presented to the winners

INSTITUTE OF APPLIED PSYCHOLOGY

10.1 Inter-Departmental Sports

10.2 Participation in National Championships

10.3 Achievements at national level



- Mehak Azam of BS II has participated in Inter-departmental Arfana/Sufiana Kalaam singing competition of Punjab University held at Al-Raazi Hall and was awarded a consolation prize. She has also attended the All Pakistan Bilingual Declamation Contest 2015.
- Sumaira Inayat of BS II participated in LUMS football tournament on 28th Jan, 2015. She bagged the first position in Badminton and was a runner up in the Football competition held as a part of the Irfan Gold Cup Tournament held at Superior University on 3rd May, 2015.
- Zakariya Hashmi of BS IV recently served as an ambassador of Punjab University for IYIC, an international youth conference for students focusing on prevalent social issues.
- Students of BS semester VI participated in poster presentation competition entitled Peace Psychology held at Government College University on 18th May 2015. The students made artistic and creative posters to display their idea of peace and harmony in the society in an innovative manner.
- Ayesha Abdul Khaliq of MS Health worked as an event organizer during the 3rd Jashan e Baharan Festival, organized by CMYMC (Chief Minister Youth Mobilization Conference). Rana Mashood Ahmad granting the certificate of appreciation for organizing many different programs of CMYMC.
- Marriyam Khalid of MSc II (Replica) participated in 12th Youthcon Youth Conference conducted by National Student Council held on 11-12th April 2015. The conference comprised of different informational sessions on motivation and entrepreneurship. It was attended by numerous delegates belonging to various institutions of Pakistan.
- Maria Idrees of BS-V went on a student exchange program of expertsyasia to Czech Republic at Masaryk University.

10.4 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.

DEPARTMENT OF ZOOLOGY

10.1 Inter-departmental sports

As and when announced

CENTRE FOR CLINICAL PSYCHOLOGY

- Inter-departmental sports (for the year 2014-15) Gender wise details
Centre for Clinical Psychology organized Sports Day and Fun Fair on 17th April, 2015.

Faculty of Sciences

INSTITUTE OF CHEMISTRY

The students of Institute of Chemistry, University of the Punjab are very active in the inter-departmental sports and they are being provided all the facilities to participate in the departmental annual sports each year.



DEPARTMENT OF GEOGRAPHY

[Related to Sports Departments, Men/ Women]

Inter-departmental sports:

- Every year in the month of February the department organizes annual sports week in which all the student participates. The sports week followed by prize distribution to encourage the students. The students who participate in sports are given shields and certificates. During last two years this event is followed by one day picnic.
- Every year five students are admitted on sports basis who participate at national and International level being member of Punjab University team.
- **Sports Gala -2015**
- Students (Male and Female) participated in sports gala 2014-15
- **Achievements at national level:**
- Win one shield and two Trophies in Inter-Departmental Jashn-e- Baharan girls sports Gala, 2013
- **Incentives and honours/ awards for sports persons:**
- A number of students who play in the University teams obtained a number of awards.

PUNJAB UNIVERSITY COLLEGE OF INFORMATION TECHNOLOGY

[Related to Sports Departments, Men/ Women]

- Inter-departmental sports
yes

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

Sports

❖ Inter-Departmental Sports

- As per University's Annual Sport week schedule, the Centre organizes this annual sport week in which all the students participate. The sports week followed by prize distribution to encourage the students. The students who participate in sports are given shields and certificates.
- Irfan Ali, M.Sc. Student Session (2013-15) take part in "Trekking competition" arranged By HEC-Islamabad and got 2nd position (Got Silver Medal)

Faculty of Engineering & Technology

INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

10.1 Interdepartmental sports

- Apart from academics, sports is a regular activity at the Institute. Every year during the spring season, sports gala is arranged by the Institute to encourage the students for their active participation in sports as well. Different sports activities like cricket matches, football, luddo, hockey, table tennis, badminton and chess are organized among students and faculty members.



FACULTY OF ORIENTAL LEARNING

UNIVERSITY ORIENTAL COLLEGE

○ کھیلیں: کالج کے تمام شعبوں کے مابین طلباء اور طالبات کی کھیلوں کا انعقاد فروری 2015ء میں ہوا، نتائج کے مطابق حسب ذیل طلبہ کو میڈلز، شیلڈز اور سرٹیفکیٹ تقسیم کیے گئے۔

طالبات سپورٹس			طلباء سپورٹس		
نام کھیل	اول پوزیشن	دوم پوزیشن	نام کھیل	اول پوزیشن	دوم پوزیشن
بیڈمنٹن سنگلز	شہزاد احمد (شعبہ کشمیریات)	محمد ساجد اکرم (شعبہ کشمیریات)	بیڈمنٹن سنگلز	اقرا انعم (شعبہ فارسی)	سحر بشیر (شعبہ اردو)
ٹینس سنگلز	عبدالرؤف (شعبہ اردو)	فہد (شعبہ اردو)	ٹینس سنگلز	سونیہ (شعبہ کشمیریات)	رابعہ ضیاء (شعبہ اردو)
رسی کشی	شعبہ پنجابی	شعبہ کشمیریات	رسی کشی	شعبہ پنجابی	شعبہ اردو

مقابلوں کے اختتام پر تقریباً تقسیم انعامات کا انعقاد مورخہ 16-04-2015 کو شیرانی ہال میں ہوا، مہمان خصوصی پروفیسر ڈاکٹر شازیہ قریشی، پرنسپل لاء کالج نے جیتنے والے طلباء و طالبات اور ٹیموں کو میڈلز، شیلڈز اور ٹرافیوں تقسیم کیں۔

Jhelum Campus

- Inter-departmental sports (for the year 2014-15) Gender wise details
The annual sports of the Punjab University Jhelum Campus were conducted w.e.f. 13th April 2015 to 17th April 2015 in which 375 male and 240 female students of all the four departments have participated and won the positions.
- Incentives and honors/ awards for sports persons (Gender wise details)

Sr. #	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	LLB	BCOM
4	Tug of War Girls	BSCS	BBA
5	Volley Ball Boys	LLB	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. 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 (Awards and representation in Govt policy making committees, memberships on various Councils etc.)
 - Member Provincial Task Force on Women Empowerment and Provincial CEDAW Committee

DEPARTMENT OF SOCIAL WORK

i. Faculty Leadership (Department of Social Work)

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 Research Methods-I” & “Social Research Methods-II”
- Monitoring and Guiding Social Work Practicum of different groups.

a) Research Work

Supervised the research study of Masters Level, the details are as below:

- Life Experiences of Christian Minorities in Yohanabad, Lahore
- Post Effects of Mob Attack (March 2013) at Joseph Colony

b) Attended / Conducted

Attended in Indigenous On-Campus Training of Departmental Heads from 27th to 31st October, 2014 at Institute of Administrative Sciences, University of the Punjab, Lahore
Organized a Seminar on International Human Rights day with the topic “Status of right day in Pakistan, on 10th December, 2014 at Al Razi Hall, Undergraduate Block, University of the Punjab, Lahore.

Attended a Seminar on “Interfaith Harmony a Shared Responsibility ” on January 26, 2015 at Awan-e-Iqbal Banquet Hall, Egerton Road, Lahore organized by Human Rights and Minorities Affairs Department, Government of the Punjab.

Attended National Education Forum, 2015 on March 12, 2015 at Institute of Social and Cultural Studies, University of the Punjab, Lahore.

Attended a Seminar on “Quality Assurance in Education” on April 03, 2015 organized by Quality Enhancement Cell, University of the Punjab, Lahore in Collaboration with PIQC Institute of Quality.

Organized a Seminar on “Empathy in Times of Indifference” & “Self Discovery” at Department of Social Work, University of the Punjab, Lahore on April 15, 2015

Attended Drug Addiction Symposium on 8-9 May, 2015 at Psychiatry Unit, King Edward Medical University, Lahore

Attended two days training workshop on “Corporate Governance for Microfinance Institutions” on August 11-12, 2015



Attended three days Training of the Trainers on “Implementing Human Rights Agenda” organized by Ministry of Law, Justice and Human Rights, Government of Pakistan in collaboration with The Asia Foundation and Pattan Development Organization on 8-10 September, 2015, Lahore

Dr. Tahira Jabeen/Assistant Processor

- Member Board Faculty of Behavioral and Social Sciences
- Member Board of Studies, Social Sciences, BZ University, Multan.
- 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’.
- Doing a Research Project training Need Assessment of Child Protection Staff with UNICEF
- Supervised two MSc research theses.
- Supervising Field Work Practicum.

Attended

- Attended sessions in 3 days International Conference on Freedom of Expression, Mass Communication Department, PU, Nov 2-4, 2015.
- PEEF Seminar, PU, June 2015.
- 3 days First Aid Training Workshop, Red Crescent Society of Pakistan, July-Aug 2015.

Dr. Syeda Mahnaz Hassan, Assistant Professor

Research Publications

Sr. No.	Research paper	Name of journal	Date of publication
1	Bridging up the gap: Illiteracy among women and implication of school social work practice.	Journal of the Research Society of Pakistan, 51(2). 109-127.	December 2014 “Y” Category
2	Verifying Effectiveness of Social Welfare Services in Pakistan through Methodological Triangulation: A Qualitative Analysis of Public Sector Institutions in Punjab.	Pakistan Journal of Social Sciences, 35(1), 185-199.	June 2015 “Y” Category
3	‘Situation and scope’ of existing labour laws to address the issues of home-based women workers in Pakistan.	Pakistan Journal of Criminology, 6(2), 1-11.	Dec. 2014 “Y” Category
4	Community participation and sustainability of water supply program in district Faisalabad, Pakistan.	Journal of Quality and Technology Management, X (II), 125-137.	Dec. 2014 “X” Category
5	Making an impact? Analysis of Social Protection Programs in Pakistan.	Journal of the Research Society of Pakistan, 52(1), 201-210.	Jan-Jun. 2015 “Y” Category



6	Globalization: Feminization of poverty and need for gender responsive social protection in Pakistan.	Pakistan Vision, 15(2), 58-80.	December 2014 "Y" Category
7	Problems faced by Women in Police Stations: Need for Police Reforms in Pakistan.	Pakistan Journal of Criminology 7(1). 85-100.	Jan 2015 "Y" Category
8	Gendered perspective of informal sector of the economy in Pakistan.	Pakistan Journal of Commerce and Social Sciences, 9(1), 185-201.	April 2015 "Y" Category
9	Understanding globalization and its future: An analysis.	Pakistan Journal of Social Sciences, 34(2), 607-624.	December 2014 "Y" Category
10	Islamic based microfinance: A tool for sustainable development.	Al-Qalam, 19(2), 35-50.	December 2014 "Y" Category
11	SWOT analysis of contemporary microfinance impact assessment approaches.	Pakistan Journal of Social Sciences, 34(2), 485-499.	December 2014 "Y" Category
12	Socio-religious perspectives of HIV/AIDS among female sex workers in Lahore, Pakistan.	Al-Adwa, XXIX (XLII) 42:29, 43-54.	Dec. 2014 "Y" Category
13	Effect of Religiosity on the Household Women's Care-giving Behaviour towards Elderly in the Family: A Case of Sargodha City (Pakistan)	Pakistan Journal of Gender Studies, Vol -11, 113-124.	September 2015 "Y" Category

Mr. Muhammad Arshad, Assistant Professor

a) Research Work:

1. Supervised the research study of Masters Level, the details are as below:

- Violence against Married Women by Their Intimate Partners: Experiences of Inmates of Dar-ul-Aman, Lahore.
- A Study of Out Of School Children in Village Jalleki (Kasur District).

b) Conducted a one month long Rural Development Training of students of MSc Social Work Part-2 in Kasur, Gujranwala and Shiekhupura districts.

c) Higher Education

1. Enrolled in Ph.D Program in Social Work, University of the Punjab.

d) Lectures Delivered and Trainings/Seminars/Workshops Attended.

1. Attended and participated in the Capacity Building Training Workshop on the "World Bank Operations and Management of Land Acquisition, Resettlement & Rehabilitation" on June 15-17, 2015 organized by Institute of Social & Cultural Studies, University of the Punjab.



2. Attended a consultative session with stakeholders regarding “Violence Against Children on 26 February 2015 organized by Children Advocacy Network in Lahore.
3. Attended a provincial seminar on International Women Day on March 7, 2015 in Lahore organized by AGAHE NGO.
4. Attended a seminar on “Encountering Violence – Recent Research on Pakistan in Comparative Perspective” on Thursday, March 26, 2015 organized by Institute of Social and Cultural Studies, University of the Punjab, Lahore.
5. Attended a provincial level consultative meeting on 2 April 2015 regarding Government's Commitment on SRH (Sexual Reproductive Health) for Adolescents & Youth in Punjab organized by Plan International Pakistan in Lahore.
6. Attended and participated in a provincial level consultation meeting with Stakeholders on Child Marriages on May 21, 2015 by Rahnuma – FPAP in Lahore.
7. Attended a provincial level consultation with civil society on the Alternative Report on the Convention on the Rights of the Child (UNCRC) on May 26, 2015 in Lahore by Child Rights Movement (CRM) Punjab.
8. As resource person for Child Protection and Welfare Bureau, Government of the Punjab conducted awareness raising workshops on Child Labor in Rahim Yar Khan, Rajan Pur and Bahawalpur Districts on June 11, 12, 13, 2015.
9. Attended a 2-days Capacity Building Training about Maternal & Neonatal Child Health (MNCH) and Every New born Action Plan (ENAP) on September 18/19, 2015 conducted by Child Rights Movement-Punjab.
10. Worked as technical consultant for Government of the Punjab (Social Welfare Department) and developed a Reporting Mechanism for Voluntary reporters on recognizing, reporting and Responding Child Abuse in Punjab Province.
11. Conducted a one month long Rural Development Training of students of MSc Social Work Part-2 in Kasur, Gujranwala and Shiekhupura districts.
12. Developed a one year diploma course on NGO Management and Leadership

Modified and updated syllabi of course on NGO Management and Leadership for MSc Part-II Social Work.

FACULTY OF COMMERCE

HAILEY COLLEGE OF BANKING & FINANCE

- 11.2 **Student Leadership (Co-curricular Activities: University Drams, Exhibitions, Expos, Competitions, Debates at National and International Levels:**



Several societies exist in our College and throughout the year Exhibitions, Competitions, and Debates were arranged by them to actively involve the students and to help develop leadership in them. This institutionalized effort has been very helpful.

Faculty of Economics & Management Sciences

DEPARTMENT OF INFORMATION MANAGEMENT

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

Faculty of Engineering & Technology

DEPARTMENT OF TEXTILE ENGINEERING & TECHNOLOGY

- Faculty Leadership (Awards and representation in Govt. policy making committees, memberships on various Councils etc.) **(for the year 2014-15)**
- 1. The Chairman of the Department, as member Academic Council of National Textile University (NTU), Faisalabad, participated in the meeting held on 23.10.2012.
- 2. The Chairman of the Department, as member participated in the Selection Board of the National Textile University, Faisalabad held on 30.08.2012
- 3. 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.
- 4. 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

11.1 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.

11.2 Student leadership

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



Faculty of Sciences

INSTITUTE OF CHEMISTRY

There are different events are arranged at Institute level at different religious and national days.

DEPARTMENT OF GEOGRAPHY

- Faculty Leadership (Awards and representation in Govt. policy making committees, memberships on various Councils etc.):

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

Related to Directorate of Students Affairs.

- 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.

CENTRE FOR INTEGRATED MOUNTAIN RESEARCH

❖ Faculty Leadership

- **Dr. Khalida Khan**

- Looking after administrative affairs of the Centre as a Director.
- Chairperson, UNESCO.
- Member, SAARC Academic Alliance, 2014
- Convener Board of studies Centre for Mountain Conservation and Watershed management- Integrated Mountain Research (CIMR)
- Convener, Advisory Committee, Centre for Integrated Mountain Research, P.U.,
- Member of Board of Trustees by the HEAD Foundation, (Kohistan and Gilgit Baltistan Community Foundation) Jan. 2013, based at Islamabad
- Initiation of academic and research programs for the CASR, Khanaspur Campus
- Supervising the M.Sc., M.Phil. and Ph.D. research thesis
- Initiation of 3 CH course in MPhil/PHD program titled “Satoyama Initiative and Sustainable Development” under International Partnership for Satoyama Initiative (IPSI), Japan,



- Preparation of Development Project “PC-I of the CIMR”, Punjab University, Lahore Submitted for mega project of Punjab University for HEC
- Preparation of PCI regarding revival of Khanspur Campus, Ayubia as a Field Research Station right in the mountainous areas of Pakistan
- **Engr. Muhammad Yaseen**
 - Syllabus Design and Coordination committee, PU-in Charge of Quality enhancement cell, CIMR, University of the Punjab.
 - Focal Person, Office of Research Innovation and Commercialization, ORIC, University of the Punjab.
 - Involve in teaching, research and assist to HoD of the CIMR.
- ❖ **Students Leadership**
 - Students are encouraged to join various community and social organization for developing leadership qualities.
 - Annually, programs been organized on the occasions of 12th RabiulAwal, 14th August, Iqbal & Quid’s day and International Mountain Day

Faculty of Life Sciences

DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS

- **Faculty Leadership (Awards and representation in Govt policy making committees, Membership on various Councils etc.)**
 1. Department of Microbiology and Molecular Genetics is Member TWAS –UNESCO Associateship.
 2. Dr Shahida Hasnain Member, Standing Committee on Science & Technology since 2010
 3. Dr Shahida Hasnain Member, Technical Committee constituted by Ministry of Science & Technology for evaluation of CAMB , 2010
 4. Dr Shahida Hasnain is Experts for Evaluation of Multidisciplinary Science Journals and Natural Science Journals, HEC, 2011-present
 5. Dr Shahida Hasnain is Member Financial Assistance Committee for Multidisciplinary Science Journals and Natural Science Journals, HEC, 2015
 6. Dr Shahida Hasnain is Member Board of studies, Hazara University ,Manshera
 7. Prof. Dr Shahida Hasnain is National Distinguished Professor, HEC in MMG Department.
 8. Dr. Anjum Nasim Sabri Convenor, Board of studies, Microbiology and Molecular Genetics department.
 9. Dr. Anjum Nasim Sabri Member Board of studies, Microbiology and Molecular Genetics department, The Women University Multan.
 10. Dr. Anjum Nasim Sabri Member Academic Council, Punjab University, Lahore.



11. Dr. Anjum Nasim Sabri Member DTRC of centre for undergraduate studies, University of the Punjab, Lahore.
 12. Dr. Anjum Nasim Sabri Member Committee, Floriculture Research farm and Conventional and Non-conventional vegetable Research Farm. University of the Punjab, Lahore.
 13. Dr. Anjum Nasim Sabri Member, Board of Faculty of Life Science, University of the Punjab, Lahore.
 14. Dr. Anjum Nasim Sabri Member, Doctoral programme coordination Committee (14th June 2012 - todate), Punjab University, Lahore.
 15. Dr. Anjum Nasim Sabri Chairperson, Biosafety Bioresource Committee, University of the Punjab. (16.04.2013 –till to date).
 16. Dr. Anjum Nasim Sabri Member, standing committee on plagiarism, University of the Punjab, Lahore
 17. Dr. Anjum Nasim Sabri Member, Reception committee in 123rd Convocation. University of the Punjab. Lahore.
 18. Dr. Anjum Nasim Sabri Member National curriculum Revision committee, HEC in Microbiology.
 19. Dr. Anjum Nasim Sabri Convenor, National curriculum Revision committee, HEC in Molecular Biology.
 20. Dr. Sikander Sultan is Member National curriculum Revision committee, HEC in Molecular Biology.
 21. Dr. Mehboob Ahmed is Member National curriculum Revision committee, HEC in Bioinformatics.
 22. Dr. Nosheen is secretary of Biosafety Bioresource Committee, University of the Punjab. (16.04.2013 –till todate).
 23. Dr. Muhammad Faisal Member Board of studies, Microbiology and Molecular Genetics department, The Women University Multan.
 24. Dr. Nazia Jamil Member Board of studies, Microbiology and Molecular Genetics department, The Women University Multan.
- o **Student Leadership (Co-curricular Activities: University dramas, exhibitions, expos, competitions, debates at national and international levels)**
1. Hasnain Javed, Syeda Samar Mustafa, Hafiza Jawairia Hashmi, **Nazia Jamil**, 2015. A Dilemma of Drug resistant Childhood TB in Developing World. Biennial Cardiorespiratory Conference, Lahore Pakistan. March 27-29, 2015. Oral Presented by PhD student Hasnain.
 2. 2nd prize to the Naima Khan on poster presentation In 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, **2015**
 3. 1st, 2nd and 3rd prize to the students of MMG on Thematic poster presentation In 10th biennial International Conference of Pakistan Society for Microbiology, March 25- 28, **2015**

4. Best Model award to the students of MMG In 10th biennial International Conference of Pakistan Society for Microbiology, March 25-28, **2015**
5. Students of Department of Microbiology and Molecular Genetics participated in different Interdepartmental competitions organized by Directorate of Students Affairs and got following positions:
 - I. **Ghazal and Poetry Competition** Ms Rabail Razi, **1st Position**
 - II. **English Essay Writing** Ms Zainab Mir, **1st Position**
 - III. **Urdu Essay Writing** Ms Maryam Aslam, **3rd Position**



6. POSTER COMPETITION ON ECOSYSTEM

Department of Microbiology and Molecular Genetics, University of the Punjab, has organized poster competition on ecosystems on 29th May, 2015. Chairperson MMG Department, Prof. Dr. Anjum Nasim Sabri, Prof. Dr. Shahida Hasnain, Vice Chancellor, Women University of Multan, Prof. Dr. Razi Abbas Shamsi, Faculty of MMG, Poster competition organizer Dr. Rida Batool, coordinators of Character Building society, MMG, (Dr. Imran Sajid and Dr. Nosheen Zahra Zaidi) and a large number of students were present in the exhibition.. First position was won by poster on Ecosystem designed by group no 1. Second position was earned by group no 4 c and their designed poster was on Nitrogen cycle. Third position was given to the poster on Deforestation designed by group number 6.



Character Building Society arranged SANITATION WEEK in May 2015 with theme "Cleanliness is half ISLAMIC faith"



Directorate of Student Affairs

(A)- ANNUAL REPORT (01.10.2014 to 30.09.2015).

The Annual Report of Directorate of Students Affairs from 01.10.2014 to 30.09.2015 submitted according to format Chapter No. 11 (Students Leadership Co-curricular Activities). Punjab University students participated in various **Inter Varsity Competitions** at national level in the categories of Urdu & English Debates, Arts Competitions, Qiraat & Naat, Skit & Mime, etc. The selection of students was purely on merit as directed by the Worthy Vice-Chancellor. The details of achievements are mentioned in the table given below:-

(A)-Achievements of Punjab University Students in various Inter Universities Co-curricular Competitions at National Level from 01.10.2014 to 30.09.2015.

Category	1 st Positions	2 nd Positions	3 rd Positions	Total Positions
Qiraat	02	01	01	04
Naat		01	02	03
Urdu Speech	19	09	08	36
English Speech	08	06	08	22
Essay Writing	01			01
Painting	08	01	01	10
Sketching	01			01
Calligraphy	02			02
Photography	05	01	01	07
Singing	04		03	07
Documentary/Short films	07	02		09
Drama	22	02		24
Poetry	03	02		05



Quiz	02			02
Misc.	05	02		07
Total Positions:	89	27	24	140
Team Trophies:				19
Runners up Trophies				09

(B)- BRIEF SUMMARY OF COMPETITIONS (INTER DEPARTMENTAL) AND PROGRAMS ORGANIZED BY DIRECTORATE OF STUDENTS AFFAIRS (STC) FROM 1ST OCTOBER, 2014 TO 30TH SEPTEMBER, 2015 IN THE UNIVERSITY.

- The Directorate of Students Affairs organized an Interdepartmental Qiraat & Naat Competition on 25-02-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized an Interdepartmental English & Urdu Essay Writing Competition on 27-02-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized an Interdepartmental National Songs & Arfana Kalam Competition on 03-03-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized an Interdepartmental Bilingual Declamation (English & Urdu) Competition on 11-03-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized an Interdepartmental Quiz Competition on 12-03-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized an Interdepartmental Poetry (Ghazal, Nazm & Bait Bazi) Competition on 13-03-2015 at Al-Raazi Hall, Centre for Undergraduate Studies.
- The Directorate of Students Affairs organized All Pakistan Bilingual Declamation Competition on 26-27 May, 2015 at Faisal Auditorium, University of the Punjab, Lahore.
- The Directorate of Students Affairs organized the Defence Day program on 07-09-2015 at Faisal Auditorium, University of the Punjab, Lahore.

(C)-ADMISSIONS 2015-2016.

Directorate of Students Affairs published admission guide book 2015 to facilitate the candidates seeking admission for academic year 2015. On the direction of worthy Vice-Chancellor about 15,000/- copies of admission guide book 2015 were distributed among the candidates seeking admission, free of cost.

The officers and staff of Directorate of Students Affairs were deputed on admission stalls to provide necessary information about admission in Punjab University in the months of August and September, 2015.

Directorate of Students Affairs coordinated the **Selection Committee** for seats reserved on the basis of Co-curricular Activities in M.A/M.Sc., BS (Hons.), D-Pharm and Engineering programs. The students were recommended for admission against seats reserved for Qiraat, Naat, Quiz and Urdu/English Debates, Acting, Singing etc. after trials by the selection committee.



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 2014-15	Revised 2014-15	Actual 2014-15
	OPENING BALANCE	17.165	17.165	17.165
1	GOVERNMENT GRANTS	1,978.655	2,138.045	2,161.169
2	EXAMINATION FEES	1,803.993	1,746.770	1,698.377
3	REGISTRATION & DEGREE FEE	696.135	686.135	631.886
4	FACULTY OF BEHAVIORAL & SOCIAL SCIENCES	4.740	5.350	6.217
5	FACULTY OF ECO. & MANAGEMENT SCIENCES	20.800	20.800	21.281
6	FACULTY OF ARTS & HUMANITIES	5.770	5.770	5.000
7	FACULTY OF SCIENCE	40.950	43.200	48.072
8	FACULTY OF LIFE SCIENCES	9.900	10.300	12.101
9	FACULTY OF ENGG. & TECH.	5.600	5.600	4.240
10	FACULTY OF PHARMACY	3.500	3.500	3.577
11	FACULTY OF LAW	5.500	5.500	3.998
12	FACULTY OF COMMERCE	15.000	15.500	15.672
13	FACULTY OF ORIENTAL LEARNING	3.225	3.050	3.291
14	FACULTY OF ISLAMIC STUDIES	1.375	1.500	1.826
15	FACULTY OF EDUCATION	0.450	0.450	0.529
16	SUB CAMPUSES	10.432	11.222	12.014
17	FOREIGN STUDENTS	23.000	27.000	35.996
18	SELF SUPPORTING SCHEME	163.450	180.925	209.490
19	HOSTELS ADMISSION FEE & ROOM RENTS	8.670	8.670	9.034



20	RENTS COLLECTION	48.630	60.830	61.441
21	PUBLICATION	3.700	28.900	20.723
22	UTILITY CHARGES (RECOVERY)	239.811	253.950	261.669
23	INCOME FROM QUAID-E-AZAM CAMPUS	28.475	40.150	49.693
24	ENDOWMENT FUNDS INCOME	350.000	400.000	407.952
25	MISCELLANEOUS INCOME	122.000	115.500	126.297
	Total: (Income)	5,593.761	5,818.617	5,811.545
	Total Funds Available	5,610.926	5,835.782	5,828.710

Note: Excluding I.E.R.

Sr.No.	Head of Expenditure	Estimates2014-15	Revised2014-15	Actual2014-15
01	General Administration	309.206	308.428	284.568
02	Examinations	791.288	784.745	650.559
03	Faculty of Behavioral & Social Sciences	138.717	135.149	123.170
04	Faculty of Eco. & Management Sciences	168.551	152.463	135.535
05	Faculty of Arts & Humanities	172.250	164.935	158.788
06	Faculty of Science	606.400	539.082	502.630
07	Faculty of Life Sciences	305.859	293.318	282.061
08	Faculty of Engineering & Technology	204.070	186.576	174.658
09	Faculty of Pharmacy	85.612	75.683	69.550
10	Faculty of Law	92.125	85.703	79.815
11	Faculty of Commerce	132.110	132.012	124.910
12	Faculty of Oriental Learning	163.380	145.268	133.923
13	Faculty of Islamic Studiess	49.702	45.038	41.283
14	Faculty of Education	46.355	42.595	39.340
15	Sub Campus Gujranwala	100.626	85.366	72.521
16	Unvergraduate Studiesss	30.631	29.947	28.393
17	Improvement of Education	520.149	523.723	448.507
18	Sports & Games	33.910	32.799	30.908



19	University Hostels	112.189	109.250	103.043
20	Department of Press & Publication	43.236	43.187	39.254
21	Campus Corporation	238.129	235.301	208.325
22	Maintenance of Land & Garden	156.871	157.497	147.155
23	Works & Maint. of Buildings	176.734	177.224	159.160
24	Utility Charges	383.330	383.330	327.498
25	Medical Facility	119.799	141.386	130.116
26	Miscellaneous	92.461	114.269	92.340
27	Students Scholarships	116.787	139.495	134.139
28	Pension / Employees Benefits	682.477	661.172	608.877
29	Development Budget	387.245	405.874	304.424
	Total: (Expenditure) for the Year	6,460.199	6,330.815	5,635.450
	Surplus / Deficit for the Year	(866.438)	(512.198)	176.095
	Transfer to Endowment Funds	-	-	185.000
	Closing Balance	(849.273)	(495.033)	8.260

Note: Excluding I.E.R.

Finance year at Glance:

- The University started financial year 2014-2015 with projected deficit of Rs.866.468 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 2014-2015 closed with contributions of Rs.185 Million to Endowment funds and savings of 8.260 million.

Development Budget:

- Development Expenditure of Rs.387.245 Million was estimated for 2014-2015 including Rs.200 Million for development of buildings & structures and Rs.187.245 Million for purchase of Equipment, Furniture, Computers, Software's.

**Recurring Budget:**

- Following are the details of Budget Estimates for the year 2014-2015:

S.No	Description	Amount (Rs. in Million)
i)	Pay & Regular Allowances	3,345.657
ii)	Other Benefits & Facilities	412.962
iii)	Pension	611.027
iv)	Conduct & Remuneration of Examinations	506.400
v)	Utility Charges	560.116
vi)	Lumpsum Provision for Research	100.000
vii)	Scholarships (Faculty / Students)	199.287
viii)	Other Current Expenditures	337.505
	Total:	6,072.954

Self Generated Income

- Self generated income of the University of the Punjab comprised of four major sources as under:

• On-campus students.	Rs. 686.135 Million
• Off-campus students.	Rs.2,224.355 Million
• Other income from land and other activities.	Rs. 331.934 Million
• Endowment Funds	Rs. 407.952 Million

Trend of per student spending:

Year	Annual Operational Expenses	Total on-campus regular students	Annual Expenses per student
2013-2014	5,691,855,000	19,376	Rs. 293,758
2014-2015	6,072,954,000	21,137	Rs. 287,314



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** (03.01.2008 to date)
- Pro Vice Chancellor ---

- **Deans**

Sr. No	Faculty	Name	Date of Appointment
1	Faculty of Arts & Humanities	Prof. Dr. Muhammad Iqbal Chawla	19.10.2015
2	Faculty of Behavioral & Social Sciences	Prof. Dr. Muhammad Zakria Zakar	23.07.2015
3	Faculty of Economics & Management Sciences	Prof. Dr. Nasira Jabeen	29.02.2016
4	Faculty of Islamic Studies	Prof. Dr. Tahira Basharat	28.04.2014
5	Faculty of Engineering & Technology	Prof. Dr. Muhammad Taqi Zahid Butt	27.07.2015
6	Faculty of Pharmacy	Prof. Dr. Khalid Hussain	28.11.2015
7	Faculty of Education	Prof. Dr. Mumtaz Akhtar	13.03.2014
8	Faculty of Oriental Learning	Prof. Dr. Muhammad Fakhr ul Haq Noori	02.02.2016
9	Faculty of Commerce	Prof. Dr. Hassan Mobeen Alam	14.08.2014
10	Faculty of Law	Prof. Dr. Muhammad Zakria Zakar	05.05.2015
11	Faculty of Sciences	Prof. Dr. Shahid Kamal	16.12.2014

- **Heads of Administrative Departments**

- Registrar (i) **Prof Dr. Muhammad Amin Athar**
Director
Institute of Biochemistry & Biotechnology
(Additional assignment from 23.02.2014 to 10.10.2014)
- (ii) **Dr. Liaqat Ali**
Professor on contract
Hailey College of Commerce.
(Additional assignment from 11.10.2014 to date)



- Treasurer
 - Rao Muhammad Sharif**
Additional Treasurer
(Additional assignment from 06.03.2012 to 08.09.2015)
(on contract from 09.09.2015 to date)
- Controller of Examinations
 - (i) **Prof. Dr. Liaqat Ali**
Principal,
Hailey College of Commerce
(Additional assignment from 03.03.2011 to 12.10.2014)
 - (ii) **Prof Dr. Shahid Munir**
Director,
Centre for Coal Technology
(Additional assignment from 13.10.2014 to date)
- Chief Librarians
 - (i) **Ch. Muhammad Hanif**
(16.09.2004 to 31.01.2014)
(on contract from 01.02.2014 to 30.11.2014)
 - (ii) **Mr. Hasseb Ahmad Piracha**
temporary basis from 01.12.2014 to date
- Chief Medical Officer
 - (i) **Dr. Nauman Ahmed**
(from 16.03.2011 to 26.09.2014)
(on contract from 27.09.2014 to 28.12.2015)
 - (ii) **Dr. Tehseen Zamir Ali**
Deputy Chief Medical Officer
(Additional assignment from 29.12.2015 to date)
- Chairman, Hall Council
 - (i) **Prof. Dr. Muhammad Akhtar**
Chairman,
Department of Zoology
(Additional assignment from 28.05.2012 to 25.08.2015)
 - (ii) **Prof. Dr. Abid Hussain Ch.**
Chairman,
Department of Secondary Education (IER)
(Additional assignment from 26.08.2015 to date)
- Director, Directorate
 - Mr. Shahid Mahmood Gul**



of Student Affairs	Assistant Professor Department of Philosophy Additional assignment from 29.01.2014 to date	
○ Resident Officer-I	(i) Dr. Ahsan Sharif Assistant Professor Institute of Chemistry (Additional assignment from 25.06.2014 to 17.10.2014)	
	(ii) 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 College of Art & Design (Additional assignment from 25.04.2012 to date)	Professor,
○ Director, I.T. Centre	Mr. Imran Qureshi (01.12.2009 to date)	
○ Director, Public Relations	Vacant	
○ Director,	Ms. Maria Isabel Maldonado Directorate of external Linkages Assistant Professor Spanish Language (Additional assignment from 18.01.2010 to date)	
○ Public Relations Officer	Mr. Khurram Shahzad (on contract basis 03.02.2011 to 18.10.2015) (on regular basis 19.10.2015 to date)	



- Resident Auditor

Mr. Naeem Iqbal Qureshi

Government of the Punjab, Finance Department
Town Accounts Officer, Town Municipal
Administration, Aziz Bhatti Town, Lahore
(on deputation from 16.02.2010 to 12.02.2016)

• **Directors**

Sr. No	Departments	Name	Date of Appointment
1	Institute of Administrative Sciences	Prof. Dr. Nasira Jabeen	15.09.2015
2	Institute of Business Administration	Mrs. Sajida Nasir	25.06.2015
3	Social & Cultural Studies	Prof. Dr. Muhammad Zakria Zakar	04.04.2015
4	Institute of Communication Studies	Dr. Nosheena Saleem	13.02.2013
5	Director General P.U Gujranwala Campus	Dr. Sayyid Salman Rizvi	25.06.2015
6	Institute of Agricultural Sciences	Prof. Dr. Muhammad Saleem Haider	14.03.2014
7	Centre for Clinical Psychology	Prof. Dr. Rukhsana Kausar	15.11.2011
8	Institute of Chemical Engineering & Technology	Prof. Dr. Amir Ijaz	01.06.2015
9	Institute of Quality & Technology Management	Prof. Dr. Abdus Salam	01.06.2012
10	Sheikh Zayed Islamic Centre	Dr. Muhammad Ijaz	21.03.2009
11	Institute of Education & Research	Prof. Dr. Mumtaz Akhtar	22.12.2008
12	Institute of Biochemistry & Biotechnology	Dr. Mahjabeen Saleem	01.09.2015
13	Institute of Chemistry	Prof. Dr. Muhammad Makshoof Akhtar	24.02.2014
14	Institute of Geology	Prof. Dr. Nasir Ahmad	07.05.2015
15	Centre for High Energy Physics	Dr. Bilal Masood	30.05.2014
16	Centre for Undergraduate Studies	Prof. Dr. Amir Ijaz	17.01.2014
17	Centre for Coal Technology	Prof. Dr. Shahid Munir	02.12.2014
18	Institute of Languages	Dr. Maria Isabel Maldonado	13.07.2010
19	School of Physical Sciences	Mr. Zafar Iqbal Butt	02.06.2014
20	Pakistan Study Centre	Prof. Dr. Mussarrat Abid	27.04.2015
21	Centre for South Asian Studies	Prof. Dr. Umbreen Javed	08.02.2011
22	Centre for Solid State Physics	Prof. Dr. Shahzad Naseem	15.06.2002
23	School of Biological Science	Prof. Dr. Muhammad Akhtar	14.02.2015
24	Centre for Social Sciences Research	Dr. Riffat Munawar	28.03.2013
25	Institute of Business & Information Technology	Dr. Aamir Sarwar	20.10.2014
26	Career Counseling & Placement Centre	Dr. Abdul Qayyum Chaudhry	17.04.2015
27	Centre for Geographical Information System	Prof. Dr. Sajid Rashid Ahmad	31.10.2014



28	Centre for Excellence in Molecular Biology	Dr. Tayyab Husnain	12.01.2015
29	Centre for Integrated Mountain Research	Dr. Khalida Khan	20.10.2014
30	Centre for Applied Molecular Biology	Dr. Muhammad Idrees	01.07.2015
31	Lit. History of the Muslim of Indo-Pak sub Continent	Prof.Dr. Kh. Muhammad Zakria	30.06.2008

- **Chairmen/Chairpersons**

Sr. No	Departments	Name	Date of Appointment
1	Department of History	Prof. Dr. Muhammad Iqbal Chawla	01.03.2013
2	Department of Archaeology	Dr. Tauqeer Ahmed Warriach	27.10.2015
3	Department of Philosophy	Dr. Shagufta Begum	04.04.2013
4	Department of Islamic Studies	Prof.Dr. Muhammad Saad Siddiqui	31.12.2013
5	Department of Economics	Prof. Dr. Hafeez ur Rehman	22.08.2013
6	Department of Social Work	Miss. Bushra Naheed	11.02.2013
7	Department of Political Sciences	Prof.Dr. Umbreen Javed	15.05.2010
8	Department of Information Management	Prof. Dr. Kanwal Ameen	25.05.2015
9	Department of English & Language Literature	Dr. Amra Raza	01.10.2014
10	Department of Arabic	Prof.Dr. Khalid Dad Malik	22.03.2014
11	Department of Persian	Prof.Dr. Ghulam Moeen Ud Din	14.05.2013
12	Department of Urdu	Prof.Dr. Muhammad Kamran	29.10.2013
13	Department of Punjabi	Prof.Dr.Muhammad Saeed Khawar Bhuta	02.02.2016
14	Department of Kashmiryat (Incharge)	Dr. Nusrat Nisar	27.08.2012
15	Department of Applied Psychology	Prof. Dr.Rukhsana Kausar	29.11.2011
16	Department of Mathematics	Prof.Dr. Muhammad Sharif	16.05.2013
17	Department of Geography	Prof. Dr. Abdul Ghaffar	12.07.2013
18	Department of Metallurgy & Material Engg.	Prof. Dr. Rafiq Ahmad	23.06.2011
19	Department of Botany	Prof. Dr. Muhammad Saleem	23.02.2014
20	Department of Microbiology & Molecular Genetics	Prof. Dr. Anjum Nasim Sabri	18.05.2014
21	Department of Physics	Dr. Hafiz Muhammad Rafiq	14.07.2015
22	Department of Spcace Sciecncce	Dr. Syed Amer Mahmood	11.08.2014
23	Department of Zoology	Prof. Dr. Javed Iqbal Qazi	02.04.2015
24	Department of Electrical Engineering	Prof. Dr. Rafiq Ahmad	25.06.2010
25	Department of Textile Engineering & Technology	Prof. Dr. Tahir Jamil	21.03.2014



26	Department of Polymer Engineering & Technology	Prof. Dr. Tahir Jamil	30.08.2014
27	Urdu Development Committee (Convener)	Prof. Dr. Muhammad Kamran	16.10.2014
28	Department of Special Education	Dr. Humara Bano	27.03.2012
29	Department of Gender Studies	Prof. Dr. Muhammad Zakria Zakar	30.04.2013
30	Department of French	Dr. Saleha Nazeer	29.01.2010

• PRINCIPALS

Sr. No	Colleges	Name	Date of Appointment
1	College of Engineering & Emerging Technologies	Prof. Dr. Rafiq Ahmad	10.09.2011
2	University College of Pharmacy	Prof. Dr. Nadeem Irfan Bukhari	27.11.2015
3	University Law College	Dr. Shazia Qureshi	18.04.2014
4	Hailey College of Commerce	Prof. Dr. Hassan Mobeen Alam	10.08.2014
5	Hailey College of Banking & Finance	Prof. Dr. Mubasher Munawar Khan	13.08.2014
6	College of Statistical & Actuarial Sciences	Prof. Dr. Shahid Kamal	21.12.2015
7	College of Earth & Environmental Sciences	Prof. Dr. Sajid Rashid Ahmad	03.08.2015
8	Punjab Univ College of Info. Tech.	Dr. Syed Mansoor Sawar	10.11.2010
9	University College of Art Design	Prof. Dr. Shahida Manzoor	08.08.2014
10	University Oriental College	Prof. Dr. Muhammad Fakhar ul Haq Noori	02.02.2016

• Meetings of Various Bodies of the University

The detail of meetings of various bodies of the University of the Punjab conducted by the Meetings Section from 1st October, 2014 to 30th September, 2015 are as under:-

Sr. No.	Statutory Body	No. of Meetings	Date
1.	Senate	00	Nil
2.	Syndicate	05	20-02-2015 27-02-2015 02-06-2015 27-06-2015 29-08-2015
3.	Academic Council	03	18-12-2014 26-02-2015 30-07-2015 14-10-2015



4.	Advanced Studies & Research Board	13	26-11-2014 22-12-2014 13-01-2015 11-02-2015 25-03-2015 07-05-2015 28-05-2015 23-06-2015 15-07-2015 20-08-2015 10-09-2015 07-10-2015 16-11-2015
----	-----------------------------------	----	--



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**

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 2014-15, the Planning & Development Wing monitored the six (06) on-going federally funded projects as per following details:

On-going Projects Funded by Federal Government (HEC)

During 2014-15, P&D wing has proposed Higher Education Commission One (1) new project to

Sr. No.	Name of the Projects	Total Cost (Rs. In Million)
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	Financial Assistance for Punjab University.	99.740
5	Strengthening of Newly Initiated Academic Programs.	179.804
6	Provision for Sports Facilities.	92.484

be included in Public Sector Development Program (PSDP) as per following details

Sr.	Name of Project	Estimated Cost (Rs. In Million).
1.	Strengthening of Academic and Research Programs at University of the Punjab, Lahore.	984.94

Statistical Data Collection during 2014-15

Sr. #	Task accomplished
1	Collection of Annual Statistical Data 2014-15



2	Compilation of Telephone Directory 2014
3	Laptop Distribution under Prime Minister Laptop Scheme

STUDENTS FINANCIAL AID CENTRE (SFAC)**Annual Report 2014-15**

Students 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	310
2	Faculty of Economics & Management	429
3	Faculty of Arts & Humanities	270
4	Faculty of Commerce	645
5	Faculty of Law	284
6	Faculty of Oriental Learning	130
7	Faculty of Islamic Studies	53
8	Faculty of Engineering & Technology	281
9	Faculty of Life Sciences	618
10	Faculty of Sciences	1214
11	Faculty of Pharmacy	196
12	Faculty of Education	34
13	Gujranwala Faculty	345
14	Jhelum Campus	151
15	At the disposal of the Vice-Chancellor	40
Total		5000

- Total Allocation of disabled students: 1,000,000/- @ 4132/- each student for **242** students.
- PEEF Scholarships Master Level **256** Students Stipend per Month @ 5000/- Boarder and @ 3000/- Day Scholar) + Tuition fee, Admission fee, Examination fee.
- PEEF Meritorious Level **51** Students (Students Stipend per Month @ 4950/- Boarder and 3000/- Day Scholars).
- Balochistan Students Stipend **212** Scholarships @ 3000/- per Month
- Pakistan Scottish Scholarships Scheme (PS3) **02**
- 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 **49**
- Other Scholarships by Different Donors **390**
- National Bank Students Loan **01** Students

**Scholars Proceeded Abroad for Oral / Poster Presentation of Research Papers
From 01.10.2014 to 30.09.2015**

Sr. No.	Name & Designation	Department	Subject	Country	Period
1.	Prof. Dr. Umbreen Javaid Chairperson	Department of Political Science	Travel grant for oral presentation of research paper titled "Pakistan's military operation against religious militants in North Waziristan: issues of internally displaced people, a challenge to human security"	Istanbul, Turkey	23-24 October, 2014
2.	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"	London, UK	04-07 November, 2014
3.	Dr. Muhammad Saeed Associate Professor	Institute of Education and Research	Travel grant for oral presentation of research paper titled "Relationship between school climate, job satisfaction and job performance of secondary school teachers in Punjab"	Universiti Sains Malaysia	17-19 November, 2014
4.	Dr. Nasir Mahmood Associate Professor	Institute of Education and Research	Travel grant for oral presentation of research paper titled "Employing Creative Writing as Language Learning Tool for Second Language Learning in Elementary School Students"	Milano, Italy	29-31 October, 2014
5.	Dr. Waheed Afzal Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for poster presentation of research paper titled "Conceptual Process Design for Separation of Rare Gases Using Ionic Liquids"	Atlanta, GA, USA	16-21 November, 2014
6.	Dr. Tajamal Hussain Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Carbon Nanotubes With Different Dimension And Their Use In Polymer Composites"	Boston Massachusetts, USA	30 November to 05 December, 2014
7.	Dr. Saima Dawood Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Self Schemas and Marital Satisfaction among Depressed Women: The Moderating role of the Marital Schemas"	Bangkok, Thailand	11-12 October, 2014
8.	Ms. Humaira Naz Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Illness Perception, Coping with Pain and mental Health of patients with Chronic Pain"	Bangkok, Thailand	11-12 October, 2014



9.	Ms. Faiza Safdar Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Sexual Satisfaction, Social Support and Psychological Distress in Patients with Diabetes"	Bangkok, Thailand	11-12 October, 2014
10.	Ms. Tehreem Arshad Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Terror threat perception and Coping strategies in community struck by terrorism"	Bangkok, Thailand	11-12 October, 2014
11.	Dr. Mahboob Hussain Assistant Professor	Department of History & Pakistan Studies	Travel grant for oral presentation of research paper titled "Internal conflict in Pakistan: A Study of Balochistan and Parliament"	Istanbul, Turkey	10-12 December, 2014
12.	Mr. Ather Ashraf Assistant Professor	Punjab University College of Information Technology	Travel grant for oral presentation of research paper titled "Decision Support System for Flood Disaster Management"	Washington, D.C, USA	11-16 November, 2014
13.	Engr. Dr. Mahmood Saleem Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Experimental Simulation of Stable Vs Unstable behavior of bag Filter Under Three common Regeneration Schemes"	Atlanta, USA	16-21 November, 2014
14.	Dr. Tahir Ahmad Assistant Professor	Department of Metallurgy and Materials Engineering	Travel grant for oral presentation of research paper titled "Studying of Effect of Precipitation Hardening on 6061 Aluminum Alloy Weldments"	Langkawi, Malaysia	25-26 November, 2014
15.	Dr. Zulfiqar Ahmed Bowra Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "Role of OCB in the relationship of POS, Psychological Empowerment and intentions to quit: Evidence from Malaysian Hotel industry"	Dubai, UAE	10-12 October, 2014
16.	Dr. Muhammad Imtiaz Shafiq Assistant Professor	Institute of Biochemistry & Biotechnology	Travel grant for poster presentation of research paper titled "Synthesis and Characterization of chitosan-polyamide reverse osmosis membranes modified with inorganic nanoparticles"	Melbourne Victoria, Australia	19-21 November, 2014
17.	Syeda Adila Batool Assistant Professor	Department of Space Science	Travel grant for oral presentation of research paper titled "Hospital waste management in Lahore , Pakistan"	Venice, Italy	17-20 November, 2014
18.	Dr. Saba Riaz Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Impact of Putative Bacterocins against Multidrug Resistant Clinical Isolates"	Kuala Lumpur, Malaysia	26-29 November, 2014
19.	Dr. Asad Shabbir Assistant Professor	Department of Botany	Travel grant for poster presentation of research paper titled "Parthenium weed invasion in crops: a new emerging threat to agricultural lands in Pakistan"	Antalya, Turkey	03-08 November, 2014
20.	Dr. Muhammad Rafiq Assistant Professor	Department of Information Management	Travel grant for oral presentation of research paper titled "Going from Analogue to Digital: Barriers to Change in Pakistan Libraries"	Chiangmai, Thailand	05-07 November, 2014



21.	Dr. Muhammad Shafiq Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Molecular characterization of new variant of tomato leaf curl palampur virus infecting Cucurbita pepo in Pakistan"	Yokohama, Japan	25-27 November, 2014
22.	Dr. Muhammad Akram Scientific Officer (Adhoc)	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"	Sarawak, Malaysia	18-22 November, 2014
23.	Mr. Zargham Ullah Khan Lecturer	Hailey College of Banking & Finance	Travel grant for poster presentation of research paper titled "An Investigation of the Impact of Late Sittings of Employees on their Health and Job Performance"	Las Vegas, USA	16-20 March, 2015
24.	Hafiz Muhammad Hamid Raza Lecturer	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Development in water desalination performance using cellulose acetate/carbon nanotubes/chitosan composite membranes"	Melbourne Victoria, Australia	19-21 November, 2014
25.	Prof. Dr. Rafaqat Ali Akbar Chairman	Department of Elementary Education, Institute of Education and Research	Travel grant for oral presentation of research paper titled "Teacher Educators Teaching beliefs: Predictors of Classroom practices an example from Pakistan"	Penang, Malaysia	17-19 November, 2014
26.	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"	Phuket, Thailand	27-28 December, 2014
27.	Dr. Naveed Iqbal Assistant Professor	Department of Business Administration, Gujranwala Campus	Travel grant for oral presentation of research paper titled "Does Investment in Human Capital Development Bring any Benefits for Enterprises?"	Sharjah, UAE	17-20 November, 2014
28.	Dr. Kanwal Khalid Assistant Professor (On deputation from 31.01.2014 for one year)	College of Art & Design	Travel grant for poster presentation of research paper titled "Architecture in Paintings, As an Independent Visual Entity"	New York, USA	11-14 February, 2015
29.	Dr. Abida Nasreen Assistant Professor	Institute of Education & Research	Travel grant for oral presentation of research paper titled "Compensation and Rewards Management Practices in the Higher Education Institutions in Pakistan"	London, UK	10-12 November, 2014
30.	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"	Phuket, Thailand	27-28 December, 2014
31.	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"	Phuket, Thailand	27-28 December, 2014



32.	Prof. Dr. Muhammad Iqbal Chawla Chairman	Department of History & Pakistan Studies	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Lord Mountbatten and Balochistan: An Appraisal"	USA	11-14 September, 2014
33.	Mr. Ahmad Ali Naqvi Lecturer	Department of Political Science	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Politics of Inclusivity: Human Security of Religious Minorities in Pakistan"	London, UK	04-07 November, 2014
34.	Ms. Tahira Mubashir Lecturer	Institute of Applied Psychology	Travel grant for oral presentation of research paper titled "Job Stress, Psychological Capital and Turnover Intentions in Employees of Hospitality Industry in Pakistan"	Freiburg, Germany	02-05 December, 2014
35.	Prof. Dr. Mobasher Ahmad Butt Dean & Principal	University College of Pharmacy	Travel grant for Poster presentation of research paper titled "Effect of Retinoic acid metabolism inhibitors on some steroid hydroxylases"	London, UK	16-18 December, 2014
36.	Dr. Khalida Khan Director	Centre for Integrated Mountain Research	Travel grant for poster presentation of research paper titled "Impact of altitudinal variability on streamflows in mountainous catchments under changing climate (Upper Indus Basin), Himalayas Pakistan"	San Francisco, California, USA	15-19 December, 2014
37.	Prof. Dr. Abid Hussain Ch. Chairman	Department of Secondary Education Institute of Education & Research	Travel grant for oral presentation of research paper titled "Test Anxiety and Self-Concept of University Students Enrolled in B.ED Honors Degree Program of USAID"	Honolulu, Hawaii, USA	05-08 January, 2015
38.	Prof. Dr. Muhammad Nasir	Department of Persian	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "An Overview of the Works, Style & Thoughts of Last Great Classical Poet JAMI"	Dushanbe, Tajikistan	25-27 November, 2014
39.	Dr. Zulfiqar Ali Associate Professor	Department of Zoology	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for one oral/ two poster presentation of research papers titled:- 1. Comparative study particulate matter in various environments in the UK and Pakistan (oral). 2. Comparison of PM 2.5 concentration above 3000 elevation in China and Pakistan (poster). 3. Changes in particulate matter concentrations at different altitudinal levels with environmental dynamics (poster)	Birmingham, UK	26-27 November, 2014



40.	Dr. Zafar Iqbal Associate Professor	Department of Zoology	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for Poster presentation of research paper titled "An outlook of diseases in commercial fishes in Punjab, Pakistan"	Ho Chi Minh City, Vietnam	24-28 November, 2014
41.	Mr. Mohsin Rashid Lecturer	Institute of Quality & Technology Management	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Management of Industrial Effluent From Paper and Pulp Industries Using Gravimetric Circular Clarifier Technique"	Mauritius	29-30 November, 2014
42.	Dr. Salik Nawaz Khan Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Varietal susceptibility of commercial mango germplasm against toxins of Lacioidiplodia theobromae associated with quick decline Mango"	Bali, Indonesia	08-09 December, 2014
43.	Dr. Arshad Javaid Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Isolation of a Herbicidal Constituent from Culture Filtrates of Drechslera hawaiiensis for Management of Rumex Dentatus"	Bali, Indonesia	08-09 December, 2014
44.	Dr. Naumana Kiran Assistant Professor	Department of History	Travel grant for oral presentation of research paper titled "The Federal Cabinet of Pakistan: A Study of Balancing Relations towards USA and China, 1947-1965"	New Delhi, India	28-30 December, 2014
45.	Dr. Muhammad Imran Assistant Professor	Institute of Chemistry	Travel grant for Poster presentation of research paper titled "Heterocyclic derived boron centred compounds and their reactivity towards Na, K and Bi (III)"	Hurghada, Egypt	14-17 February, 2015
46.	Dr. Muhammad Kashif Samee Assistant Professor (TTS)	Department of Electrical Engineering	Travel grant for Oral presentation of research paper titled "Robust and Reversible Watermarking Scheme in DFT Domain"	Noida, India	15-17 December, 2014
47.	Dr. Muhammad Mudasar Ghafoor Assistant Professor	Department of Commerce University of the Punjab Gujranwala Campus	Travel grant for oral presentation of research paper titled "Antecedents and Consequences of Job Satisfaction: Evidence from Pakistani Universities"	Harvard University, USA	08-10 March, 2015
48.	Dr. Amani Moazzam Baig Mirza Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Mentoring and its impact on Politicking and networking abilities"	Kuala Lumpur, Malaysia	15-16 December, 2014
49.	Mr. Shahzeb Khan Assistant Professor	Department of English Language & Literature	Travel grant for oral presentation of research paper titled "Mohsin Hamid's Guarded Narrative Space in Mothsmoke"	Vancouver, Canada	06-07 January, 2015
50.	Dr. Adnan Mujahid Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Tailoring imprinted polymers for selective recognition of fluorinated drug Sitagliptin"	Florida, USA	11-16 January, 2015



51.	Dr. Sania Zahra Malik Assistant Professor	Institute of Business Administration	Travel grant for oral presentation of research paper titled "The Mediating Effect of Subjective Vitality on the Relationship between Energizing Connections and Goal Commitment"	Istanbul, Turkey	02-04 February, 2015
52.	Mr. Muddassir Latif Rawn Assistant Professor	Institute of Business Administration	Travel grant for Poster presentation of research paper titled "Relationship of Privacy Concern Issues on Retail Customer's Purchase Behavior : An Empirical Study on Emerging Market of Pakistan"	Dubai, UAE	08-09 January, 2015
53.	Ms. Hina Saleem Lecturer	Institute of Business & Information Technology	Travel grant for oral presentation of research paper titled "The Impact of Leadership Styles on Job Satisfaction and Mediating Role of Perceived Organizational Politics"	Kuala Lumpur, Malaysia	15-16 December, 2014
54.	Ms. Sonia Omer Assistant Professor	Department of Social Work	Travel grant which had already been approved by the Overseas Scholarships Committee in its meeting dated 12.07.2012 for oral presentation of research paper titled "Situational analysis of the gender based violence faced by housemaids (age 8-15) at their workplace"	Nairobi, Kenya	01-03 August, 2012
55.	Dr. Saba Irshad Assistant Professor	Institute of Biochemistry & Biotechnology	Travel grant for Poster presentation of research paper titled "Comparative Biological Evaluation of two spices; Turmeric (<i>Curcuma longa</i> L) and Black pepper (<i>Piper nigrum</i> L) and Partial purification of Lectin from Turmeric"	Suzhou, China	26-28 December, 2014
56.	Dr. Yasir Rehman Assistant Professor (Contract)	Department of Microbiology and Molecular Genetics	Travel grant for oral presentation of research paper titled "Arsenic resistance, reduction and adsorption by Enterobacter, Klebsiella and Aeromonas species isolated from industrial areas of Punjab, Pakistan"	Tokyo, Japan	03-05 February, 2015
57.	Dr. Rukhsana Iftikhar Assistant Professor	Department of History	Travel grant for oral presentation of research paper titled "Genesis of Indian culture: Akbar quest for unity in traditional society"	Kuala Lumpur, Malaysia	17-18 January, 2015
58.	Dr. Nazia Jamil Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Production and in-vitro Evaluation of Bioplastic produced by bacteria using Bagasse"	Dubai, UAE	11-12 January, 2015
59.	Dr. Rida Batool Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Colonization by Chromium Reducing Bacteria Led to Cellular Changes in Roots of Wheat"	Dubai, UAE	11-12 January, 2015
60.	Ms. Humaira Tariq Lecturer (English)	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Identity at Stake: Mohsin Hamid's The Reluctant Fundamentalist"	Kuala Lumpur, Malaysia	30-31 December, 2014



61.	Ms. Ghulam Fatima Lecturer	Department of Special Education	Travel grant for oral presentation of research paper titled "Challenges Faced by Educated Persons with Physical Disabilities at their Workplaces in Pakistan"	Honolulu, Hawaii, USA	05-08 January, 2015
62.	Engr. Sanaullah Lecturer	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Rheological Behavior of Selected Pakistani Crudes"	Dubai, UAE	10-11 January, 2015
63.	Ms. Deebe Akhter Lecturer	College of Statistical and Actuarial Sciences	Travel grant for oral presentation of research paper titled "Multidimensional Impact on Contraception in Punjab (Pakistan) – Use of Multilevel Approach"	Miami, USA	04-06 January, 2015
64.	Prof. Dr. Muhammad Saleem Chairman	Department of Botany	Travel grant for Poster presentation of research paper titled "Controls and Mechanisms of Molecular Biodiversity in Coprophilous fungi"	California, USA	17-22 March, 2015
65.	Dr. Mohsin Ali Raza Assistant Professor	Department of Metallurgy and Materials CEET	Travel grant for poster presentation of research paper titled "Boron nitride/vapour grown carbon nanofibre/rubbery epoxy-based hybrid composites for thermal interface applications"	Sitges (near Barcelona), Spain	09-13 March, 2015
66.	Mr. Hassam Muazzam Lecturer	Department of Electrical Engineering CEET	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Comparative Analysis of Analog Controllers for DC-DC Buck Converter"	Hong Kong	26-28 December, 2014
67.	Dr. Muhammad Arshad Chief Editor/ Professor	Department of Urdu Encyclopedia of Islam	Travel grant for oral presentation of research paper titled "Muhammad Asad's Concept of Ijtihad: A Critical Evaluation"	London, UK	13-15 April, 2015
68.	Prof. Dr. Sajid Rashid Ahmad	Institute of Geology	Travel grant for Poster presentation of research paper titled "Geographical Information System (GIS) Mapping of Natural Gas Distribution Network"	Brisbane, Australia	10-12 March, 2015
69.	Prof. Dr. Zahid Munir Amir	Department of Urdu	Travel grant for oral presentation of research paper titled "Muhammad Iqbal on Peaceful Co Existence"	Cairo University, Egypt	21-22 February, 2015
70.	Dr. Muhammad Bilal Chatha Assistant Professor	Institute of Agricultural Sciences	Travel grant to the scholar already approved by the Vice Chancellor, University of the Punjab for Poster presentation of research paper titled "Improving germinability and vigor enhancement of Sunflower (Helianthus annuus L.) Hybrid seed under low temperature through seed priming"	Kennewick Washington, USA	20-22 January, 2015
71.	Dr. Ambreen Ahmed Assistant Professor	Department of Botany	Travel grant for oral presentation of research paper titled "Bacterial IAA: Cost Effective Alternative to Synthetic Auxins"	Kuala Lumpur, Malaysia	08-09 February, 2015
72.	Dr. Nighat Ansari Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Diversity Management: Towards a theory of Gender Sensitive Practices"	Western Sydney Campbeltown, Australia	17-19 April, 2015



73.	Dr. Muhammad Shafiq Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Development of a Service Quality Scale for Higher Education"	Dubai, UAE	16-18 February, 2015
74.	Hafiz Muhammad Hamid Raza Lecturer	Institute of Chemistry	Travel grant for Poster presentation of research paper titled "Comparative Studies of Thermal Degradation in Different Seed Oils using ATR-FTIR"	Yokohama, Japan	14-18 May, 2015
75.	Syed Sohaib Zubair Research Officer	Institute of Quality & Technology Management	Travel grant for Poster presentation of research paper titled "Training and Development Audit: A Review of Shaukat Khanum Memorial Cancer Hospital and Research Centre"	United Kingdom	07-11 June, 2015
76.	Mr. Waheed Anwar Research Officer	Institute of Agricultural Science	Travel grant for Poster presentation of research paper titled "Exploring insect associated fungal flora in central mixed zone, Pakistan"	Salt Lake City, Utah USA	23-26 March, 2015
77.	Prof. Dr. M. Taqi Zahid Butt Dean	Faculty of Engineering & Technology College of Engineering & Emerging Technology	Travel grant for oral presentation of research paper titled "The Development and Characterization of Glass Fiber-Silica Sand Nano-Particles reinforced Aluminum matrix Hybrid Composite"	London, UK	27-28 June, 2015
78.	Prof. Dr. Ismat Ullah Zahid Principal/Dean	University Oriental College	Travel grant for oral presentation of research paper titled "Punjabi Language, Literature and Culture: Present and Future"	Brampton, Canada	13-14 June, 2015
79.	Prof. Dr. Aamir Ijaz Director	Quality Enhancement Cell	Travel grant for oral presentation of research paper titled "Achieving Performance Excellence in Higher Education Institutions of Pakistan through QECs"	Kunming, China	17-19 April, 2015
80.	Prof. Dr. Abdus Salam Director	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "The Influence of Marketing Variables on Quality Perception of Old Customers"	London, UK	07-11 June, 2015
81.	Prof. Dr. Muhammad Sharif Chairman	Department of Mathematics	Travel grant for oral presentation of research paper titled "Stability: Impact of Physical Factors"	Beijing, China	04-08 May, 2015
82.	Prof. Dr. Muhammad Kamran Chairman	Department of Urdu	Travel grant for oral presentation of research paper titled "Internet, Globalization and Pakistan Literature"	London, UK	22-24 July, 2015
83.	Prof. Dr. Muhammad Abdullah Durrani	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Lead Content in Local Paints in Pakistan"	Nevsehir City, Turkey	20-23 May, 2015
84.	Prof. Dr. Nabila Rehman	Department of Punjabi	Travel grant for oral presentation of research paper in the World Punjabi Conference 2015 organized by Punjabi Business Professional Association	East, Brampton, ON Canada	13-14 June 2015
85.	Dr. Zahoor Ahmad Sajid Incharge Botanical Garden	Department of Botany	Travel grant for oral presentation of research paper titled "Enhanced Salinity Tolerance in Field-grown Potato (Solanum tuberosum L) Treated with Ascorbic acid"	Pattay, Thailand	28-29 March 2015



86.	Dr. Shahid Jamil Sameeni Associate Professor	Institute of Geology	Travel grant for poster presentation of research paper titled "Coal Potential of Patala Formation, Dandli Area, Kotli District, Kashmir, Pakistan"	Kathmandu, Nepal	07-09 April 2015
87.	Dr. Naureen Akhtar Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Green Florescent Protein as an Indicator to Monitor Membrane protein Overexpression in Bacteria"	Istanbul, Turkey	24-25 April 2015
88.	Dr. Nadeem Sheikh Assistant Professor	Department of Zoology	Travel grant for poster presentation of three research papers titled :- 1. "Nerium Oleander: Novel Hepatoprotective Plant Reversing Experimental Thiocetamide Induced Hepatotoxicity. 2. Effect of Metal Dust on Various Serological Parameters in Workers of Cutlery Industry in Wazirabad, Pakistan. 3. Alterations in Blood Cell Indices and Serological Parameters due to Toxicity of Industrial Leachate in Wistar Rats"	Istanbul, Turkey	12-15 March 2015
89.	Dr. Majid Majeed Akbar Assistant Professor	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "CO ₂ solubility in aqueous monoethanolamine with 1-ethyl-3-methylimidazolium tetrafluoroborate"	Singapore	29-30 March 2015
90.	Dr. Muhammad Ashfaq Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Characterization of pseudomonas species associated with tomato wilt disease"	Murcia, Spain	14-17 April 2015
91.	Ms. Iram Gull Assistant Professor	Institute of Biochemistry & Biotechnology	Travel grant for poster presentation of research paper titled "Engineering of Cytokine Gene for Conditional Activation"	Boston, USA	22-25 July 2015
92.	Dr. Kamran Mirza Assistant Professor	Institute of Geology	Travel grant for poster presentation of research paper titled "Microfacies Analysis and Paleoenvironmental Interpretation of the Eocene Kohat Formation, Gumbat Section, Himalayan Fold and Thrust Belt, Northern Pakistan"	Vienna, Austria	12-17 April 2015
93.	Dr. Muhammad Zeeshan Danish Assistant Professor	University College of Pharmacy	Travel grant for poster presentation of research paper titled "Formulation Optimization and Characterization of Novel Bio-reducible Cross-linked siRNA Polyplexes for Gene silencing"	Oxford, United Kingdom	24-26 March 2015
94.	Dr. Asma Qadri Assistant Professor	Department of Punjabi	Travel grant for oral presentation of research paper titled "Punjabi Language, Literature and Culture: Present and Future"	East, Brampton, ON L6V 2N2 Canada	13-14 June 2015



95.	Dr. Sheza Ayaz Khilji Assistant Professor	Department of Botany	Travel grant for oral presentation of research paper titled "Role of Antioxidants in the Growth and Heavy Metal Uptake from Tannery Sludge in Microbe Assisted Phytoremediation Under Field Conditions"	Pattaya, Thailand	28-29 March 2015
96.	Dr. Nousheen Zahra Zaidi Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Cancer cells differentially activate and thrive on de novo lipid synthesis pathways in a low-lipid environment"	Dubai, UAE	20-21 May 2015
97.	Dr. Nageen Hussain Assistant Professor	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "Mutational analysis of DNase I gene in Pakistan SLE patients"	Houston, USA	28-30 September 2015
98.	Mr. Muhammad Zeeshan Akbar Computer Instructor (Faculty Member)	Department of Microbiology & Molecular Genetics	Travel grant for poster presentation of research paper titled "ICT initiatives in a Developing Country-A Brief"	Bangkok, Thailand	20-21 April 2015
99.	Mr. Ahmed Ali Naqvi Lecturer	Department of Political Science	Travel grant for oral presentation of research paper titled "Politics of Inclusivity Human Security of Religious Minorities in Pakistan"	Vienna, Austria	19-23 April 2015
100.	Mr. Gulshan Aslam Lecturer (Contract Basis) w.e.f 03.10.2014 to 02.10.2015	Department of Information Technology University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "A Comparative Study of Software Development Methods with Respect to Their Suitability for Software Development Professionals"	Boston, Massachusetts, USA	26-30 May 2015
101.	Mr. Haroon Iqbal Lecturer (Contract Basis) w.e.f 11.04.2014 to 11.04.2015	Department of Business Administration University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "The Empirical Relationship Between Stocks Returns, Trading Volume And Volatility: Evidence From Stock Market Of United Kingdom"	Boston, Massachusetts, USA	26-30 May 2015
102.	Mr. Wasim ul Rehman Lecturer (Ad-Hoc) (Date of Appointment 23.10.2014)	Department of Economics	Travel grant for poster presentation of research paper titled "Intellectual Capital Practices and Financial Efficiency: A Mediating Role of Banks Performance: Evidence from Banking Sector of Pakistan"	Singapore	27-28 March 2015
103.	Ms. Sehrish Mukhtar Lecturer (MME) (Contract Basis) w.e.f 02.07.2014 to 01.07.2015	College of Engineering and Emerging Technologies	Travel grant for poster presentation of research paper titled "To Study the Effect of Aluminum Coating on Stainless Steel 316L and Alpha Iron"	Whistler, Canada	28 June to 03 July 2015
104.	Prof. Dr. Nasira Jabeen Director	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Urbanization in Pakistan: A Governance Perspective"	Sydney Campbelltown, Australia	17-19 April 2015
105.	Dr. Amani Moazzam Baig Assistant Professor	Institute of Administrative Sciences	Travel grant for oral presentation of research paper titled "Ethics Training: A Cultural Need"	Sydney Campbelltown, Australia	17-19 April 2015
106.	Prof. Dr. Hamid Ashraf Hamdani	Department of Arabic	Travel grant for oral presentation of research paper titled "Arabic Language and Globalization: Effects and Redresses"	Dubai, UAE	06-10 May 2015



107.	Prof. Dr. Hassan Mobeen Alam	Hailey College of Commerce	Travel grant for poster presentation of research paper titled "Module leader traits that effects the student satisfaction: Evidence from Structure equation modeling"	New York, USA	12-14 June 2015
108.	Dr. Rafia Rafique Associate Professor	Institute of applied Psychology	the Travel grant for oral presentation of research paper titled "The Additive Effects of Type 2 Diabets Mellitus on Neuropsychological functioning of Patients Diagnosed with Myocardial Infarction"	Istanbul, Turkey	08-10 June 2015
109.	Dr. Amir Shafeeq Associate Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Application of forth Flotation Technique to Reduce Sulfur from Lakhra Coal Using froth Flotation"	Jeju Island, Republic of Korea, South Korea	29-30 July 2015
110.	Mr. Abdul Jabbar Khan Assistant Professor	Hailey College of Commerce	Travel grant for poster presentation of research paper titled "Impact of Teacher's Experience and Qualification on Student Satisfaction: A Mediating Role of Competence Teaching Methodology"	New York, USA	12-14 June 2015
111.	Dr. Ishfaq Ahmed Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "Predicting employee performance through organizational virtuousness: Medication by affective wellbeing and work engagement"	Dubai, UAE	22-24 May 2015
112.	Dr. Nadia Jamil Assistant Professor	College of Earth and Environmental Sciences	Travel grant for poster presentation of research paper titled "MgO Nanoparticles for the Removal of Reactive dyes from Wastewater"	Washington D.C, USA	14-17 June 2015
113.	Dr. Muhammad Usman Awan Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Service Quality and Organizational Culture as Drivers of Job Satisfaction"	Switzerland	26 th June to 1 st July 2015
114.	Dr. Hafiz Abdul Qadeer Assistant Professor	Department of Arabic, Oriental College	Travel grant for oral presentation of research paper titled "Ascension to Heavens, as depicted by Ma'arri and Iqbal"	Annaba, Algeria	27-29 April 2015
115.	Dr. Sayyid Muhammad Farid Assistant Professor	Oriental College Department of Persian	Travel grant for oral presentation of research paper titled "Critical Analysis of Persian and Punjabi Poetry of Sufi Muahmmad Afzal Faqir"	Brampton, On L6N2N2, Canada	13-14 June 2015
116.	Dr. Zaigham Abbas (Ph.D Immunology) Assistant Professor	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Isolation and Characterization of Bacteriophages against mastitis causing S. aureus"	Istanbul, Turkey	21-25 April 2015
117.	Dr. Uzma Ahmed Assistant Professor	Department of Mathematics	Travel grant for oral presentation of research paper titled "The study of iteration digraphs defined on finite groups"	United Kingdom	05-10 July 2015
118.	Dr. Shinawar Wasim Ali Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Rapid Detection of Candida Species, Causing Ocular Infection in Pakistani Population"	Maastricht, Netherlands	07-11 June 2015



119.	Dr. Syed Nadir Hussain Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Wastewater Treatment of Textile Industry via Adsorption and Electrochemical Regeneration"	Jeju Island, Republic of Korea, South Korea	29-30 July 2015
120.	Dr. Hafiz Muhammad Anwaar Asghar Assistant Professor	Institute of Chemical Engineering & Technology	Travel grant for oral presentation of research paper titled "Beneficiation of Chamalang Coal by Forth Floatation"	Jeju Island, Republic of Korea, South Korea	29-30 July 2015
121.	Dr. Shafiq Ur Rehman Assistant Professor	Department of Information Management	Travel grant for oral presentation of research paper titled "Users' Evaluation of Library Service Quality: a Study of Public Sector University Libraries of Pakistan"	Paris, France	26-29 May 2015
122.	Mr. Mujtaba Baqar Research Officer/Lecturer On contract basis w.e.f 01.10.2014 to 30.09.2015	College of Earth and Environmental Sciences	Travel grant for oral presentation of research paper titled "Spatial Distribution Analysis of Microbiological Quality of Public Water Supply: A case Study of Lahore, Pakistan"	Amsterdam, Netherlands	12-15 May 2015
123.	Mr. Tabassum Riaz Lecturer	Department of Commerce University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "Behavioral Biases and Investment Decision: Evidence from Pakistan"	Bangkok, Thailand	21-22 April 2015
124.	Mr. Kamran Shaukat Lecturer (on contract basis w.e.f 04.04.2014 to 03.04.2015)	Department of Information Technology University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "Power Management and Green Computing: An Operating System Prospective"	Bangkok, Thailand	21-22 April 2015
125.	Mrs. Farrukh Munir Lecturer	Institute of Education and Research	Travel grant for oral presentation of research paper titled "Determination of Most Frequently Used Teaching Styles (As Perceived By Students) of Teachers And Learning Strategies Used by The Students; a Small Scale Study of Public High schools of District Lahore, Punjab, Pakistan"	New York City, USA	02-06 August 2015
126.	Mr. Adeel Nasir Lecturer (Contract Basis) w.e.f 07.11.2014 to 06.11.2015	Department of Commerce University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "Does stock market explain the CSR announcements to investors? Or is it just an absurd relation?"	Bangkok, Thailand	21-22 April 2015
127.	Ms. Adeela Khalid Lecturer	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Resilience and Quality of Life Among Rescue Workers"	Milan, Italy	07-10 July 2015
128.	Ms. Warda Fatima Lecturer	Department of Microbiology and Molecular Genetics	Travel grant for poster presentation of research paper titled "Association of DISC1 polymorphisms with Schizophrenia"	Dubai, UAE	26 th April 2015
129.	Prof. Dr. Muhammad Naeem Khan Dean	Faculty of Life Sciences	Travel grant for oral presentation of research paper titled "Prospects of aquaculture development along the Persian Gulf coast of United Arab Emirates: Transfer of Australian aquaculture technologies to Middle East"	Brisbane, Australia	20-22 July 2015



130.	Prof. Dr. Malik Zawwar Hussain Acting Chairman	Department of Mathematics	Travel grant for oral presentation of research paper titled "Interpolation of Discrete Time Signals using Cubic Spline Function"	Spain	21-24 July 2015
131.	Dr. Noshina Saleem Incharge Director	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "Media and conflict Resolution: Framing of Kashmir Issue in U.S Press"	Boston, Massachusetts, USA	26-30 May 2015
132.	Dr. Javeed Ashraf Awan Associate Professor	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Vapor-Liquid-Liquid Equilibrium Measurements and Modeling of Methanethiol or Ethanethiol or Propanethiol or 1-Butanethiol in Methane + Water Ternary Systems at 303, 335, and 365 K and Pressure Up to 9 MPA"	Nizhni Novgorod, Russia	22-26 June 2015
133.	Mr. Ahsan Akhtar Naz Associate Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "New ethical issues in Pakistani media: The rise of electronic media and the post-9/11 scenario"	Paris, France	18-20 May 2015
134.	Dr. Muhammad Idrees Associate Professor/Incharge Molecular Virology Group (CEMB)	Centre for Excellence in Molecular Biology	Travel grant for poster presentation of research paper titled "A newly developed Dengue-IgA Rapid Test shows higher levels of sensitivity for early detection of Dengue infection"	Copenhagen, Denmark	25-28 April 2015
135.	Dr. Sajid Ali Assistant Professor	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "Post emergence herbicides affect chlorophyll fluo-rescence in artichoke leaves (Cynara cardunculus L.)"	Berlin, Germany	24-27 August 2015
136.	Dr. Hamid Saeed Assistant Professor	University College of Pharmacy	Travel grant for oral presentation of research paper titled "Mesenchymal Stem Cells as Cardio-vascular Therapeutics-From bench to bedside"	Kuala Lumpur, Malaysia	24-25 August 2015
137.	Mr. Muhammad Khalid Khan Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "Impact of Interpersonal Justice on OCBs and Turnover Intentions: Mediating Role of Supervisory Commitment in the Pharmaceutical Industry of Lahore"	Dubai, UAE	22-24 May 2015
138.	Dr. Ayyaz Ahmad Assistant Professor	Institute of Quality & Technology Management	Travel grant for oral presentation of research paper titled "Technical Decision Making for Governments in Developing countries: The need for an Industrial Engineering Approach"	Istanbul, Turkey	28-30 May 2015
139.	Dr. Munaza Nausheen Assistant Professor	Department of Research and Evaluation Institute of Education and Research	Travel grant for oral presentation of research paper titled "Gender and disciplinary differences in the motivational beliefs of the postgraduate students"	Toronto, Canada	22-25 June 2015
140.	Dr. Muhammad Ali Assistant Professor	Institute of Agricultural Science	Travel grant for poster presentation of research paper titled "The evaluation of eggplant (Solanum melongena L.) germplasm against Jassid (Amrasca amrasca biguttula biguttula (Ishida) resistance"	Berlin, Germany	24-27 August 2015



141.	Ms. Rabia Dasti Lecturer	Centre for Clinical Psychology	Travel grant oral presentation of research paper titled "Poly- Victimization and Mental Health of Street Children in Lahore City"	Milan, Italy	07-10 July 2015
142.	Dr. Hafiz Azhar Ali Khan Lecturer	Institute of Agricultural Sciences	Travel grant for poster presentation of research paper titled "toxicity and persistence of spinosad on wheat and rice grains against Rhyzopertha dominica and Tribolium castaneum"	Berlin, Germany	24-27 August 2015
143.	Mr. Muhammad Haris Khan Lecturer (Ad-Hoc)	Hailey College of Commerce	Travel grant for poster presentation of research paper titled "Knowledge or Skills? Investigation among Graduate Students in Public Universities of Pakistan"	New York, USA	23-24 July 2015
144.	Mr. Muhammad Khyzer Bin Dost Lecturer (Ad-Hoc)	Hailey College of Commerce	Travel grant for poster presentation of research paper titled "Demand or Supply Which Causes the Contraction in Bank Loans in Recession Periods: A Case Study of Sme's in Lahore, Pakistan"	New York, USA	23-24 July 2015
145.	Ms. Hidna Iqbal Lecturer	Centre for Clinical Psychology	Travel grant for oral presentation of research paper titled "Psychosocial Correlates of Erectile Disorder in Pakistan"	Milan, Italy	07-10 July 2015
146.	Engr. Syed Zohaib Javaid Zaidi Lecturer	Institute of Chemical Engineering and Technology	Travel grant for oral presentation of research paper titled "Particulate Continuous Ball Milling Activity On Polymers And Semi Crystalline Materials"	London, United Kingdom	07-11 June 2015
147.	Mr. Zeshan Ahmer Lecturer	Institute of Business Administration	Travel grant for oral presentation of research paper titled "Usage of Enterprise Resource Planning Systems: A case study of Higher Education Institutions in Pakistan "	England	08-10 September 2015
148.	Dr. Zahoar Hussain Farooqi Assistant Professor	Institute of Chemistry	Travel grant for poster presentation of research paper titled "Catalytic reduction of nitrobenzene using silver nanoparticles stabilized in multi-responsive polymer microgels"	Netherlands	12-15 July 2015
149.	Mrs. Robina Begum Lecturer Chemistry	Centre for Undergraduate Studies	Travel grant for poster presentation of research paper titled "Silver nanoparticles fabricated in poly (N- isopropylacrylamide-co-acrylic acid Microgels) for catalytic reduction of nitrobenzene"	Netherlands	12-15 July 2015
150.	Mr. Muhammad Mubashar Hussain Lecturer	Department of Mathematics University of the Punjab, Jhelum Campus	Travel grant for oral presentation of research paper titled "Genetic Algorithm-based Efficient Routing for Multi-radio Multi-channel Cognitive Networks"	Dubai, UAE	22-23 May 2015
151.	Dr. Shahbaz Ahmad Assistant Professor	Institute of Agricultural Sciences	Travel grant for oral presentation of research paper titled "Varietal response of sugarcane cultivars against the Chilo infuscatellus (Pyralidae, Lepidoptera)"	Queensland, Australia	27-30 September 2015



152.	Dr. Saima Dawood Assistant Professor	Centre for Clinical Psychology	Travel grant for oral presentation of 02 research papers titled. 1. Emotional Intelligence, Personality Traits and Coping skills in Adolescents. 2. Perfectionism, Unconditional Self-Acceptance and Debilitating Emotions among Adolescents in 10 th International Conference on Child and Adolescent Psychopathology	London, England	20-22 July 2015
153.	Dr. Ayesha Ashfaq Assistant Professor	Institute of Communication Studies	Travel grant for oral presentation of research paper titled "we are more than Jailbirds': Political and Editorial Factors Influences on Political Cartoonists in Pakistan"	Oakland, California, USA	29 June to 03 July 2015
154.	Dr. Naveed Iqbal Assistant Professor	Department of Business Administration, University of the Punjab, Gujranwala Campus	Travel grant for oral presentation of research paper titled "Impact of Market Orientation on the Performance of Private University in Pakistan"	Glasgow, England, UK	12-15 July 2015
155.	Dr. Muhammad Athar Masood Assistant Professor (TTS)	Department of Persian, Oriental College	Travel grant for oral presentation of research paper titled "Possibilities of a Renewed Engagement between Iran and the West" in the conference on Iran and the West with the title "Possibilities of a Renewed Engagement between Iran and the West"	Warwick, UK	01-03 July 2015
156.	Mr. Rizwan Qaiser Danish Assistant Professor	Hailey College of Commerce	Travel grant for oral presentation of research paper titled "Relationship among Leadership Style, Leadership Ethics and Transformational Leadership with Organizational Citizenship Behavior in Pakistani Firms"	Toronto, Canada	30-31 July 2015
157.	Syeda Hina Batool Assistant Professor	Department of Information Management	Travel grant for oral presentation of research paper titled "Assessing children's' IL skills: Findings from a multiple cases study of six primary schools in Pakistan"	Aberdeen, Scotland	23-26 June 2015
158.	Mr. Zargham Ullah Khan Lecturer	Hailey College of Banking & Finance	Travel grant for poster presentation of research paper titled "A Study to Investigate The Role Of Micro-Finance in Rural Development Of Pakistani Province Punjab"	Prague	14-17 July 2015
159.	Mr. Muhammad Zaeem Ul Haq Bhatti Lecturer	Department of Mathematics	Travel grant for oral presentation of research paper titled "Stability Issue in General Relativity" in the Spanish Relativity Meeting 2015 (ERE2015) "Stepping into the second century"	Palma de Mallorca, Spain	07-11 September 2015
160.	Mr. Zeeshan Yousaf Lecturer	Department of Mathematics	Travel grant for oral presentation of research paper titled "Dynamical Analysis of Self-gravitating Interiors in f (R) Gravity"	Palma de Mallorca, Spain	07-11 September 2015



161.	Prof. Dr. Muhammad Sharif Chairman	Department of Mathematics	Travel Grant for oral presentation of research paper titled "Strong Gravitational Lensing of a Spherically symmetric Black Hole" in the Spanish Relativity Meeting 2015 (ERE2015) "Stepping into the second century" organized by Universitat de les Illes Balears and co-organizers	Palma de Mallorca, Spain	07-11 September 2015
162.	Prof. Dr. Abid Hussain Chairman	Department of Secondary Education IER	Travel Grant for oral presentation of research paper titled "Transactions made by Special Education Teachers in Classrooms of young Children with Deafness" in the 67th World OMEP Assembly and International Conference organized by Organisation Mondiale pour Education Prescolaire, World Organisation for Early Childhood Education, Organization Mundial para Education Prescolar	Washington, DC, USA	27 July to 01 August 2015
163.	Prof. Dr. Rukhsana Kausar Director	Institute of Applied Psychology	Travel Grant for oral presentation of research paper titled "Acculturative Stress and Sociocultural Adaptation of International and Overseas University Students in Pakistan" in the European Conference on Psychology and the Behavioral Sciences (ECP-2015) organized by lafor	Brighton, UK	06-08 July 2015
164.	Prof. Dr. M. Saleem Haider	Director Institute of Agricultural Sciences	Travel Grant for oral presentation of research paper titled "Molecular Characterization and pathogenicity of Cucurbita pepo infecting new variant of tomato leaf curl palampur virus in Pakistan" in the 34th Annual Meeting of the American Society for Virology (ASV) organized by American Society for Virology	Western University, London, Ontario, Canada	11-15 July 2015
165.	Prof. Dr. Khalid Hussain	University College of Pharmacy	Travel Grant for poster presentation of research paper titled "Antioxidant Activity and Isolation Studies of Extracts of Seeds of Syzygium Cumini L." in the American Society of Pharmacognosy's 2015 Annual Meeting organized by ASP 2015	Copper Mountain, Colorado, USA	25-29 July 2015
166.	Prof. Dr. M. Abdul Qadir	Punjab University Institute of Chemistry	Travel Grant for oral presentation of research paper titled "Adiminesulfonamides and benzenesulfonamides: Synthesis and their biological evaluation" in the 1st International Conference on Applied Chemistry (ICAC 2015) organized by Chemistry Department Faculty of Science, King Abdulaziz University	Saudi Arabia	18-19 November 2015
167.	Prof. Dr. Farah Malik	Institute of Applied Psychology	Travel Grant for oral presentation of 02 research papers. Following are the titles of the research papers:- 1. "Development and Validation of Indigenous Stressful Life Event Scale for Children (Slesc)" 2. "Parental	Brighton, UK	06-08 July 2015



			Rejection and Psychological Adjustment Among Adolescents: Does the Peer Rejection Mediate?" in the European Conference on Psychology and the Behavioral Sciences (ECP-2015) organized by lafor		
168.	Dr. Nosheen Fatima Warraich Associate Professor	Department of Information Management	Travel Grant for oral presentation of research paper titled "Linked Data in Libraries: A Review of its Applications and Prospects" in the 12th Annual Meeting of the Document Academy (DOCAM) organized by the Faculty of Arts and Social Sciences, University of Technology, Sydney and the School of Information Studies, Charles Sturt University	Sydney, Australia	20-22 July 2015
169.	Dr. Naumana Amjad Associate Professor	Institute of Applied Psychology	Travel Grant for oral presentation of research paper titled "Supervision Challenges-a cross cultural perspective" in the Vancouver International Conference on Teaching of Psychology 2015 organized by International Association for Teaching of Psychology Kwanthelon Institute	Vancouver, Canada	23-25 July 2015
170.	Dr. Muhammad Saeed Associate Professor & Chairman	Department of Educational Research & Evaluation IER	Travel Grant for oral presentation of research paper titled "Need for Teacher Development through improving Quality of Question Papers of BISE in Pakistan" in the III International Symposium, New Issues on Teacher Education (ISNITE 2015) organized by University of Thessaly and Journal of Teacher Education and Educators	Volos, Greece	11-13 September 2015
171.	Dr. Bushra H Rahman Assistant Professor	Institute of Communication Studies	Travel Grant for oral presentation of research paper titled "Charlie Hebdo – revamping thesis of Clash of Civilizations? A case of Pakistani Print media" in the International Association of Media and Communication Research 2015 Conference organized by UQAM and IAMCR, AIECS, AIERI	Montreal, Quebec, Canada	12-16 July 2015
172.	Mrs. Iffat Saeed Assistant Professor	Department of English Language & Literature	Travel Grant for oral presentation of research paper titled "The Convergence of Aesthetics and Politics in the Poetry of Yasmeen Hameed: A Voice From Pakistan" in The European Conference on Literature & Librarianship (LibEuro2015) organized by lafor	Brighton, UK	13-16 July 2015
173.	Dr. Abida Ejaz Assistant Professor	Institute of Communication Studies	Travel Grant for oral presentation of research paper titled "Prominence or Marginalization: Literature Review of the 21st Century on the Patterns and Depictions of Muslims in Films" in the 2015 Conference of the International Association for Media and Communication	Montreal, Quebec, Canada	12-16 July 2015



			Research-IAMCR organized by International Association for media and Communication Research		
174.	Dr. Muhammad Imran Din Assistant Professor	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Bio-synthesis of Silver Nanoparticles using <i>Ferocactus Diguettii</i> Plant Extract as Reducing Agent for Antibacterial Activity" in the 12th BIOTRANS2015 Conference organized by Institute of Applied Synthetic Chemistry	Vienna University of Technology, Austria	26-30 July 2015
175.	Dr. Nashi Khan Assistant Professor TTS	Centre for Clinical Psychology	Travel Grant for oral presentation of research paper titled "Traumatic Experiences during Adolescence among Pakistani Women Prisoners" in the 10th International Conference on Child and adolescent Psychopathology (ICCAP-10) organized by Department of Psychology Roehampton University	Roehampton University, London, UK	20-22 July 2015
176.	Dr. Sadia Ata Assistant Professor	Punjab University Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Preparation of carboxyl-modified $\text{Fe}_3\text{O}_4/\text{SiO}_2$ nanoparticles and their application for the removal of Cadmium and Nickel from aqueous solution" in the 16th International Conference on X-ray absorption Fine Structure (XAFS16) organized by Karlsruhe University for Technology (KIT)	Karlsruhe, Germany	23-28 August 2015
177.	Dr. Hafiz Zafar Ahmad Assistant Professor	Hailey College of Commerce	Travel Grant for oral presentation of research paper titled "Application of Management Accounting Practices in Decision Making: An Empirical Research on Manufacturing Concerns in Pakistan" in the ICSLE 2015 International Conference in Compute Science; Business, Economics and Management organized by Training Centre for Social Science And Education and Ontario College for Research and Development	New York, USA	02-04 August 2015
178.	Malik Fiaz Hussain Ferdosi Assistant Professor	Institute of Agricultural Sciences	Travel Grant for oral presentation of research paper titled "Enhancing vase life of Rose flower Cv. Cardinal by the use of different chemicals" in the 2015 Annual Conference of the American Society for Horticultural Science (ASHS) organized by American Society for Horticultural Science (ASHS)	New Orleans, Louisiana, Virginia, USA	04-07 August 2015
179.	Dr. Kamran Mirza Assistant Professor	Institute of Geology	Travel Grant for poster presentation of research paper titled "Biostratigraphy of Sakesar Limestone Ratuchha area, Eastern Salt Range, Northern Pakistan" in the 2nd International Congress on Stratigraphy organized by Institute of Earth Sciences University of Graz	Graz, Austria	19-23 July 2015



180.	Dr. Imran Sajid Assistant Professor	Department of Microbiology and Molecular Genetics	Travel Grant for oral presentation of research paper titled "Antitumor metabolites from Streptomyces sp. KML-2, isolated from Khewra salt mines, Pakistan" in the World Congress and Expo on Applied Microbiology organized by World Applied Microbiology Congress	Frankfurt, Germany	18-20 August 2015
181.	Dr. Nasir Abbas Assistant Professor	University College of Pharmacy	Travel Grant for poster presentation of research paper titled "High pressure techniques: A New dimension towards polymorph screening of Mefenamic Acid" in the 6th APS International PharmSci Conference 2015, "The Science of Medicines"	Nottingham, UK	07-09 September 2015
182.	Dr. Misbah Sultan Assistant Professor	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Synthesis, characterization and application students of polyurethane acrylate thermoset coatings: effect of hard segment" in the 11th International Conference on Advanced Polymers via Macromolecular Engineering organized by Department of Biological & Environmental Chemistry Molecular Engineering Institute (concurrently) Kinki University	Yokohama, Japan	18-22 October 2015
183.	Mr. Sanaullah Lecturer	Institute of Geology	Travel Grant for poster presentation of research paper titled "Water Balance Assessment of a River Bounded Aquifer using Visual MODFLOW Applications, Eastern Punjab, Pakistan" in the Wageningen Soil Conference 2015 organized by Wageningen UR for Quality of life	Wageningen University Campus, Netherlands	23-27 August 2015
184.	Ms. Sadeeqa Riaz Khan Lecturer	Institute of Business & Information Technology	Travel Grant for oral presentation of research paper titled "The Hexaco Personality Inventory and Academic Performance in MIS Course" in the 3rd International Conference on Computational and Social Sciences (ICCSS-2015) organized by Universiti Teknologi Malaysia (UTM)	Johar Bahru, Malaysia	25-27 August 2015
185.	Mr. Muhammad Mohsin Rashid Lecturer	Institute of Quality & Technology Management	Travel Grant for oral presentation of research paper titled "Emission of Carbon Reduction in Brick Kilns" in the 2nd International Conference on Humanity and Social Sciences (ICHSS 2015) organized by International Economics Development Research Center (IEDRC) co-organized by International Journal of Culture and History (IJCH)	Paris, France	20-21 July 2015



186.	Ms. Quratulain Farooq Lecturer	Institute of Agriculture Sciences	Travel Grant for oral presentation of research paper titled "Effect of Chemicals on Keeping Quality and Vase Life of Carnation (<i>Dianthus caryophyllus</i> L.) cv. Eskimo" in the 2015 Annual Conference of the American Society for Horticultural Science (ASHS) organized by American Society for Horticultural Science (ASHS)	New Orleans, Louisiana, USA	04-07 August 2015
187.	Mr. Tabassum Riaz Lecturer	Department of Commerce, Punjab University, Jehlum Campus	Travel Grant for oral presentation of research paper titled "Mean Reversion in Stock Prices: Evidence from Karachi Stock Market" in the Third 21st Century Academic Forum Conference organized by Harvard University	Boston America	20-22 September 2015
188.	Dr. Irfan Ahmed Shaikh Assistant Professor	College of Earth & Environmental Sciences	Travel Grant for poster presentation of research paper titled "CoolClot, a Mineral- An eco-friendly use of coagulants in textile dyeing for the removal of color from fabric and wastewater" in the 2nd International Conference on Agriculture, Environment and Biological Sciences (ICAEBs'15) organized by International Academy of Arts, Science & Technology	Bali, Indonesia	16-17 August 2015
189.	Mr. Muhammad Waqas Lecturer (Law)	Department of Law, Punjab University, Jehlum Campus	Travel Grant for oral presentation of research paper titled "The mockery of international law by world super power" in the 3rd International Academic Conference on Social Sciences (IACSS 2015) organized by The International Institute for Academic Development (IIACD)	Istanbul, Turkey	25-26 July 2015
190.	Mr. Muhammad Ramzan Assistant Professor	Hailey College of Commerce	Travel Grant for oral presentation of research paper titled "Impact of Relationship Marketing Activities on Relationship Continuity: An Evidence from Healthcare Sector" in the 14th Conference of Social Sciences, Humanities and Education organized by International Conference Research Association (ICON)	Toronto, Canada	03-04 August 2015
191.	Prof. Dr. Hassan Mobeen Alam	Hailey College of Commerce	Travel Grant for oral presentation of research paper titled "Module Leader Traits that Effects the Student Satisfaction: Evidence From Structure Equation Modeling" in the ICBEM 2015 International Conference in Computer Science, Business, Economics and Management organized by Ontario College for Research and Development, Training Centre for Social Science And Education	New York, USA	02-04 August 2015
192.	Mr. Muhammad Sajid Assistant Professor	Department of Political Science	Travel Grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled "Mapping separatism through	Phuket, Thailand	29-30 July 2015



			the lenses of contentious politics: A comparative case study of separatist Movements of Baluchistan and Bangladesh” in International Conference on Studies in Humanities and Social Sciences (ICSHSS’ 15) organized by International Centre of Economics, Humanities and Management		
193.	Mr. Kashif Imran Zadi Lecturer (Law)	Department of Law, Punjab University, Jehlum Campus	Travel Grant to the scholar already approved by the Vice Chancellor, University of the Punjab for oral presentation of research paper titled “Foreign Direct Investment: Laws of Pakistan and their implications for the world” in 3rd International Academic Conference on Social Sciences (IACSS 2015) organized by The International Institute for Academic Development	Istanbul, Turkey	25-26 July 2015
194.	Prof. Dr. M. Taqi Zahid Butt	Dean Faculty of Engineering and Technology	Travel Grant for oral presentation of research paper titled “Study the effect of Kevlar Fiber-Silica Sand Nanoparticles Reinforcement on Aluminum Based Hybrid Composites” in the MS&T15, 2015 Conference organized by The American Ceramic Society	Columbus, USA	04-08 October 2015
195.	Prof. Dr. Rukhsana Kausar Director	Institute of Applied Psychology	Travel Grant for oral presentation of research paper titled “Locus of Control, Autonomic, Motivation, Diabetic Care and Medication Adherence in Patients with Type-II Diabetes” in the 29th Conference of the European Health Psychology Society (EHPS) 2015 organized by Health Psychology Society	Limassol, Cyprus	01-05 September 2015
196.	Dr. Zulfiqar Ali Associate Professor	Department of Zoology	Travel Grant for poster presentation of research paper titled “Interdisciplinary management of wildlife with socioecological sustenance after upraising of Mangla Dam, AJK” in the 6th World Conference on Ecological Restoration organized by SER 2015	Manchester, UK	23-27 August 2015
197.	Dr. Nosheen Fatima Warraich Associate Professor	Department of Information Management	Travel Grant for oral presentation of research paper titled “Human Resource Management in Pakistani University Libraries: Managers’ Viewpoint” in the International Conference on Studies in Humanities and Social Sciences (ICSHSS’15) organized by International Centre of Economics, Humanities and Management (ICEHM)	Phuket, Thailand	29-30 July 2015
198.	Dr. Basharat Ali Assistant Professor	Department of Microbiology and Molecular Genetics	Travel Grant for poster presentation of research paper titled “Diversity of halotolerant rhizobacteria: Auxin production and biofertilization potential for Triticum aestivum L. in salt amended soils” in the VI International Conference on	Barcelona, Spain	28-30 October 2015



			Environmental, Industrial and Applied Microbiology – BioMicroWorld2015 organized by FORMATEX		
199.	Dr. Muhammad Usman Awan Assistant Professor	Institute of Quality & Technology Management	Travel Grant for oral presentation of research paper titled “Exploring the Role of Core and Infrastructure Quality Management Practices in Ambidexterity” in the 18th International QMOD/ICQSS 2015 (Quality Management Organization development International Conference on Quality & Service Sciences) organized by Lund University, Sweden, Linkopings University, Sweden, Yonsei University, Korea and Korean Society for Quality (KSQ)	Seoul, Korea	12-14 October 2015
200.	Dr. Aqil Inam Assistant Professor	Department of Metallurgy and Materials Engineering	Travel Grant for poster presentation of research paper titled “Growth Morphology of Graphite Particles formed from Staring Microstructures, Ferrite-pearlite, Bainite and Martensite after Graphitising Anneal of Medium Carbon Steel” in the Materials Science & Technology Conference (MS&T 15) organized by MS & T	Columbus, Ohio, USA	04-08 October 2015
201.	Dr. Moazzam Ali Assistant Professor (TTS)	Institute of Biochemistry & Biotechnology	Travel Grant for poster presentation of research paper titled “Mapping complexity of endocytic steps in trypanosomes” in the EMBO meeting 2015 organized by The European Molecular Biology Organization (EMBO)	Birmingham, UK	05-08 September 2015
202.	Dr. Zeeshan Mutahir Assistant Professor (TTS)	Institute of Biochemistry & Biotechnology	Travel Grant for poster presentation of research paper titled “Study of gene duplications and losses among vertebrate deoxribonucleoside kinases” in the EMBO meeting 2015 organized by The European Molecular Biology Organization (EMBO)	Birmingham, UK	05-08 September 2015
203.	Dr. Hamid Saeed Assistant Professor	University College of Pharmacy	Travel Grant for oral presentation of research paper titled “Mesenchymal Stem Cells as Cardio-vascular Therapeutics- From bench to bedside” in the 29th annual Scientific meeting organized by Malaysian Society of Pharmacology and Physiology (MSPP 2015)	Kuala Lumpur, Malaysia	24-25 August 2015
204.	Dr. Muhammad Azmat Hayat Assistant Professor (TTS)	Department of Economics	Travel Grant for oral presentation of research paper titled “Dilemma of Alliances in Afghan Wars and its Impact on Crimes in Pakistan” in the 3rd International Conference on Computational and Social Sciences (ICCSS-2015) organized by University Teknologi Malaysia (UTM)	Johor Bahru, Malaysia	25-27 August 2015



205.	Mr. Zahid Abbass Shah Lecturer	Institute of Quality & Technology Management	Travel Grant for oral presentation of research paper titled "Ergonomic Risk Factors for Workers in Garments Manufacturing-A Case Study From Pakistan " in the 3rd International Conference on Ergonomics and 1st International Conference on Industrial Engineering (ICE & ICIE 2015) organized by University of Malaya	Kuala Lumpur, Malaysia	19-20 August 2015
206.	Prof. Dr. Farah Malik	Institute of Applied Psycholog	Travel Grant for oral presentation of research paper titled "Corporal Punishment as Mediator for Teachers' Rejection, Psychological Adjustment and Academic Achievement of Students" in the 10th International Conference on Child and Adolescent Psychopathology (ICCAP-10) organized by University of Roehampton	University of Roehampton, London, UK	20-22 July 2015
207.	Engr. Dr. Muhammad Azhar Naeem Assistant Professor	Department of Electrical Engineering	Travel Grant for oral presentation of research paper titled "A Novel Full Polarization Controller Monolithically Integrated with a Semiconductor Laser" in the IEEE-IEM Optronix Conference 2015 organized by IEEE Photonics Society, IEM and University of British Colombia, Canada	Vancouver, Canada	16-17 October 2015
208.	Mr. Muhammad Mohsin Rashid Lecturer	Institute of Quality and Technology Management (IQTM)	Travel Grant for oral presentation of research paper titled "Gasification of a Coal Biomass Assay for the Production of Clean Combustible Gas" in the Melbourne International Business and Social Science Research Conference 2015 organized by Australian Academy of Business Leadership (AABL) Sydney, Australia	Melbourne, Australia	02-04 October 2015
209.	Mr. Adnan Zahid Lecturer	Institute of Agricultural Sciences	Travel Grant for oral presentation of research paper titled "Yield potential and stability indices as techniques to assess wheat genotypes under drought" in the 3rd International Conference on Sustainable Environment and Agriculture (ICSEA 2015) organized by CBES	New York, USA	11-12 October 2015
210.	Dr. Irfan Mahmood Assistant Professor	Center for High Energy Physics (CHEP)	Travel Grant for oral presentation of research paper titled "Quasideterminant solutions of NC Painleve II equation with the Toda solution at $n = 1$ as a seed solution in its Darboux transformation" in the Workshop on Moduli spaces in algebraic geometry and physics organized by Chern Institute of Mathematics	Nankai University, Tianjin, China	13-18 September 2015



211.	Dr. Asad Shabbir Assistant Professor (TTS)	Department of Botany	Travel Grant for poster presentation of research paper titled "Suppressive Plants as Part of an IM Program for Parthenium Weed" in the 13th Queensland Weed Symposium 2015 organized by the Civic and Cultural Centre, Longreach	Queensland, Australia	14-17 September 2015
212.	Prof. Dr. Muhammad Saleem Chairman	Department of Botany	Travel Grant for poster presentation of research paper titled "Evaluating Potential Short Sequence Repeats (SSRs) Markers in Sordaria Fimicola" in the Annual Conference of the German Genetics Society organized by Christian-Albrechts-Universitat Zu Kiel (CAU)	Kiel - Germany	28-30 September 2015
213.	Dr. Uzma Bashir Assistant Professor	Institute of Agricultural Sciences	Travel Grant for poster presentation of research paper titled "Fungicidal potential of aqueous and organic solvent extracts of allelopathic plants leaves against phytopathogenic fungi Fusarium solani" in the International Plant Protection Congress (IPPC) organized by the German Society for Plant Protection and Plant Health (DPG) in co-operation with the Julius Kuhn Institute (JKI) and the Agriculture Industry Association (IVA)	Berlin, Germany	24-27 August 2015
214.	Ms. Bushra Nisar Khan Lecturer (Zoology)	Centre for Undergraduate Studies	Travel Grant for poster presentation of research paper titled "Impact of Different Captive Environmental Conditions on Behaviors of African Lion and their Welfare" in the 42nd National AAZK Conference organized by American Association of Zoo Keepers.	St. Louis, Missouri, USA	27 September – 1 October 2015
215.	Dr. Arshad Javaid Assistant Professor	Institute of Agricultural Sciences	Travel Grant for poster presentation of research paper titled "Biological control of charcoal rot of mungbean by Trichoderma harzianum and shoot dry biomass of Sisymbrium irio" in the 18th International Plant Protection Congress organized by the German Society for Plant Protection and Plant Health (DPG) in co-operation with the Julius Kuhn Institute (JKI) and the Agriculture Industry Association (IVA)	Berlin, Germany	24-27 August 2015
216.	Dr. Muhammad Kamran Assistant Professor	Department of Metallurgy and Materials Engineering College of Engineering and Emerging Technologies	Travel Grant for oral presentation of research paper titled "To Develop and Characterize Copper-Carbon Fiber Metal Matrix Composites" in the Materials Science and Technology Conference (MS& T 2015) organized by Materials Science & Technology (MS& T 15)	Columbus Ohio, USA	04-08 October 2015
217.	Prof. Dr. Aamir Ijaz Director	Institute of Chemical Engineering & Technology	Travel Grant for oral presentation of research paper titled "An Empirical Study of the Factors Affecting Job Satisfaction: Evidence from Banking Sector of Pakistan" in the 2nd ICENS 2015 conference organized by ISER	Sydney, Australia	13 September 2015



218.	Dr. Zafar Iqbal Associate Professor	Department of Zoology	Travel Grant for oral presentation of research paper titled "Status of Fisheries and Aquaculture Education in University of the Punjab, Lahore. Pakistan" in the 2nd Annual International Conference on Fisheries organized by ICFA 2015	Colombo, Sri Lanka	25-26 August 2015
219.	Dr. Shafiq ur Rehman Assistant Professor	Department of Microbiology and Molecular Genetics	Travel Grant for poster presentation of research paper titled "Positive Selection among regions of HCV envelope downstream of HVR1 occur during Chronic Infection" in the 2nd Middle East Molecular Biology Congress 2015 organized by the Middle East Molecular Biology Society (MEMBS)	Istanbul, Turkey	17-20 September 2015
220.	Dr. Syeda Nayab Batool Rizvi Assistant Professor	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Estimation of Phenolic acids from Wheat bran by HPLC" in the 8th International Conference and Exhibition for Nutraceuticals and Functional Foods organized by the International Society for Nutraceuticals and Functional Foods (ISNFF)	Wuxi, China	20-23 September 2015
221.	Dr. Muhammad Shafiq Assistant Professor	Institute of Agricultural Sciences	Travel Grant for poster presentation of research paper titled "Next Generation Sequencing and Citrus Diseases; Current Status and Future Prospectus" in the ASM Conference on Rapid Next-Generation Sequencing and Bioinformatic Pipelines for Enhanced Molecular Epidemiologic Investigation of Pathogens organized by the American Society for Microbiology	Washington DC, USA	24-27 September 2015
222.	Mr. Rizwan Qaiser Danish Assistant Professor	Hailey College of Commerce	Travel Grant for oral presentation of research paper titled "Impact of Intellectual Capital on Organizational Creativity through Technical Innovation in Telecom Sector" in the Twenty-second Annual Conference on International Business and Contemporary Issues in Business in Rapid City organized by International Business Center of Excellence, Northern State University	Rapid City, South Dakota USA	07-10 October 2015
223.	Ms. Shahnaila Tariq Lecturer (on contract)	Institute of Applied Psychology	Travel Grant for oral presentation of research paper titled "Psycho-Social factors as Antecedents of Deviant Behaviour in Adolescents" in the 15th Annual Conference of the European Society of Criminology organized by Society of Criminology	Porto, Portugal	02-05 September 2015
224.	Dr. Nasir Abbas Nayyar Assistant Professor	Department of Urdu	Travel Grant for oral presentation of research paper titled "Globalization and Urdu Language" in the International Symposium 100th Anniversary of Urdu Language Education organized by Istanbul University	Istanbul, Turkey	12-14 October 2015



225.	Dr. Rizwan Akhtar Assistant Professor	Department of English Language & Literature	Travel Grant for oral presentation of research paper titled "Subverting and reversing the colonial reconstruction of metropolis in Mohsin Hamid's Moth Smoke" in the 10th Annual Association of Adaptation Studies Conference: "Adaptations and the Metropolis organized by Association of Adaptation Studies	University of London, UK	24-25 September 2015
226.	Dr. Hafiz Khalil Ahmad Assistafnt Professor	Department of Economics	Travel Grant for oral presentation of research paper titled "Socio Economics Determinants of Tax Revenue in Pakistan: An Empirical Analysis" in the 3rd International Conference on Computational and Social Sciences (ICCSS 15) organized by Abdul Wali Khan University Mardan Pakistan and Universti Teknologi, Malaysia	Johor Bahru, Malaysia	25-27 August 2015
227.	Dr. Atif Islam Assistant Professor (on Contract)	Department of Polymer Engineering & Technology	Travel Grant for poster presentation of research paper titled "Silance Crosslinked Biopolymer Based Hydrogel Scaffolds for Tissue Engineering" in the Materials Research Society (MRS) 2015 Fall Meeting & Exhibit organized by Materials Research Society (MRS)	Boston, Massachusetts, USA	29 November – 04 December 2015
228.	Hafiz Muhammad Hamid Raza Lecturer	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Synthesis and Characterization of Graphene Doped Cellulose Acetate-Chitosan RO Membranes for Desalination" in the Materials Research Society (MRS) 2015 Fall Meeting & Exhibit organized by Materials Research Society (MRS)	Boston, Massachusetts, USA	29 November – 04 December 2015
229.	Dr. Pervez Khalid Assistant Professor	Institute of Geology	Travel Grant for oral presentation of research paper titled "Petrophysics and rock physics modeling to fimprove seismic characterization of Jurassic reservoirs, Pakistan" in the VI International Conference of Young Scientists and Students "Multidisciplinary approach to solving problems of geology and geophysics", dedicated to the 70th anniversary of Azerbaijan National Academy of Sciences (ANAS) organized by Institute of Geology & Geophysics of Azerbaijan National Academy of Sciences	Baku, Azerbaijan	12-15 October 2015
230.	Prof. Dr. Muhammad Fakhar-ul-Haq Noori	Department of Urdu	Travel Grant for oral presentation of research paper titled "Concept of the Unity of Muslim Ummah in Modern Urdu Poetry" in the International Symposium 100th Anniversary of Urdu Language Education In Turkey "Ottoman Relations with the India-Pakistan Sub-continent Muslims from Tripoli War to Republic of Turkey and Urdu in Turkey" organized by Istanbul	Istanbul University, Turkey	12-14 October 2015



			University Faculty of Letters Department of Urdu Languages and Literatures		
231.	Dr. Zia-ul-Hassan Associate Professor	Department of Urdu	Travel Grant for oral presentation of research paper titled "Present Scenario of research in Pakistani Universities" in the International Symposium 100th Anniversary of Urdu Language Education In Turkey "Ottoman Relations with the India- Pakistan Sub-continent Muslims from Tripoli War to Republic of Turkey and Urdu in Turkey" organized by Istanbul University Faculty of Letters Department of Urdu Languages and Literatures	Istanbul University, Turkey	12-14 October 2015
232.	Prof. Dr. Ismat Ullah Zahid Dean	Faculty of Oriental Learning	Travel Grant for oral presentation of research paper titled "Teaching Urdu to foreigners at Oriental College" in the International Symposium 100th Anniversary of Urdu Language Education In Turkey "Ottoman Relations with the India- Pakistan Sub-continent Muslims from Tripoli War to Republic of Turkey and Urdu in Turkey" organized by Istanbul University Faculty of Letters Department of Urdu Languages and Literatures	Istanbul University, Turkey	12-14 October 2015
233.	Mr. Muhammad Salman Lecturer (on Contract)	University College of Pharmacy	Travel Grant for poster presentation of research paper titled "Patterns of Medication Use in Chronic Kidney Disease Stage 5D: Emphasis on Medications for the Management of CKD-MBD" in the ISPOR 18th Annual European Congress organized by International Society for Pharamcoeconomics and Outcomes Research (ISPOR)	MiCo-Milano Congressi in Milan, Italy	07-11 November 2015
234.	Dr. Javaid Akhtar Assistant Professor	Centre for Coal Technology	Travel Grant for oral presentation of research paper titled "Briquetting of Chamalang Coal (Baluchistan) Fine Wastes Using Molasses Binder" in the 32nd Annual International Pittsburgh Coal Conference organized by Department of Chemical and Petroleum Engineering University of Pittsburgh	Pittsburgh PA, USA	05-08 October 2015
235.	Dr. Fawaz Saleem Bokhari Assistant Professor	Punjab University College of Information Technology	Travel Grant for oral presentation of research paper titled "On the Use of CryptDB for Securing Electronic Health Data in the Cloud: A Performance Study" in the 2015 IEEE 17th International Conference on e-Health Networking, Applications and Services (Healthcom) organized by IEEE Healthcom 2015	Boston, USA	14-17 October 2015
236.	Dr. Khalida Khan Director	Centre for Integrated Mountain	Travel Grant for oral presentation of research paper titled "Effects of Altitude and Changing Climate on	Perth College, Scotland, UK	04-08 October 2015



		Research	Soils and Biomass of Turbat-Baluchistan-Pakistan" In the International conference: 'Mountains of our Future Earth' organized by University of the Highlands and Islands, Perth College, Centre for Mountain Studies		
237.	Dr. Adnan Mujahid Assistant Professor	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Developing Surface Imprinted Polymers for selective Recognition of Pharmaceutical Targets" in the International Chemical Congress of Pacific Basin Societies 2015 organized by PACIFICHEM	Honolulu, Hawaii, USA	15-20 December 2015
238.	Dr. Tajamal Hussain Assistant Professor	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Electrically reinforced polymer composites of PMMA with MWCNT-PANI" in the International Chemical Congress of Pacific Basin Societies 2015 organized by PACIFICHEM	Honolulu, Hawaii, USA	15-20 December 2015
239.	Prof. Dr. Zaid Mahmood (on Contract)	Institute of Chemistry	Travel Grant for poster presentation of research paper titled "Structural and Biological Studies of Zinc Complex" in the 1st International Conference on Applied Chemistry (ICAC 2015) organized by Faculty of Science, King Abdulaziz University	Jeddah, Saudia Arabia	18-19 November 2015
240.	Dr. Saba Irshad Assistant Professor	Institute of Biochemistry & Biotechnology	Travel Grant for poster presentation of research paper titled "Antibacterial activities of Spices" in the 2nd International Conference on Green Chemical Engineering Technology (GCET2015) in Conjunction with the 2nd URCE 2015 organized by Green Chemical Engineering Technology (GCET)	Swiss Garden Hotel, Malacca, Malaysia	24-25 November 2015

SCHOLARS PROCEEDED ABROAD FOR Ph.D STUDY
FROM 01.10.2014 to 30.09.2015

Sr.#	Name	Department	Program	University	Country	2014-15
1	Ms. Sadia Akbar Lecturer	Department of Gender Studies	Ph.D	Centre for Transdisciplinary Gender Studies (ZTG), Humboldt Universitat Zu, Berlin	Germany	2701299
2	Mr. Salman Naseer Lecturer	Department of Information Technology (Gujranwala Campus)	Ph.D	Auckland University of Technology (AUT)	Newzeland	1666666



3	Mr. Muhammad Kamran Assistant Professor	College of Earth & Environmental Sciences	Ph.D	Universitat Rovira I Virgili	Spain	1666667
4	Ms. Sana Hanif Lecturer	Institute of Agricultural Sciences	Ph.D	Charles Sturt University	Australia	2100000
5	Hafiz Muhammad Hamid Raza Lecturer	Institute of Chemistry	Ph.D	Universitat WIEN	Austria	Not Paid Not Proceeded
6	Ms. Deebea Akhter Lecturer	College of Statistical and Actuarial Sciences	Ph.D	Universiti Sains Malaysia	Malaysia	3333332
7	Mr. Zargham Ullah Khan Lecturer	Hailey College of Banking & Finance	Ph.D	Yasar University Turkey	Turkey	1700000
8	Ms. Aisha Rizwan Assistant Professor	Institute of Administrative Sciences	Ph.D (Split)	Universiteit Utrecht, Netherlands	Netherlands	317775
9	Syeda Afshan Iqbal Lecturer	Institute of Biochemistry & Biotechnology	Ph.D	Uppsala Universitet, Sweden	Sweden	Not Paid Not Proceeded
10	Engr. Mudassar Azam Assistant Professor	Institute of Chemical Engineering & Technology	Ph.D	The Vienna University of Technology, Austria	Austria	Not Paid Not Proceeded
11	Ms. Barizah Malik Lecturer	Institute of Biochemistry and Biotechnology	Ph.D	Medical University of Vienna, Austria	Austria	Not Paid Not Proceeded
12	Ms. Shabnam Javed Lecturer	Centre for Undergraduate Studies	Ph.D Course Work for 06 months	Liverpool John Moores University (LJMU), UK	UK	1343457



13	Mr. Kamal Shahid Lecturer	Department of Electrical Engineering CEET	Ph.D	Alborg University (AAU)	Denmark	1666305
14	Ms. Zobia Suhail Lecturer	Punjab University College of Information Technology	Ph.D	Aberystwyth University	UK	1666666
15	Ms. Shamaila Dodhy Assistant Professor	Department of English	Ph.D	University Putra	Malaysia	1500000
16	Mr. Imran Tariq Assistant Professor	University College of Pharmacy	Ph.D	University of Marburg (Philipps Universitat Marburg)	Germany	1373661



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 1153 teachers, 6650 employees & their families and 10000 resident students. The University Health Centre is functioning six days a week under the directive of the Vice-Chancellor in order to provide maximum facilities to the University patients.

Average daily attendance in the outdoor clinic of the University Health Centre is about 250 patients. We have stopped providing general medication since January, 2011. A fully equipped Emergency Centre is functioning round the clock. A Part-time Medical Officer attends the students residing in hostels to provide medical cover from 6.00 p.m. to 9.00 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.

A Lady Medical Officer is also providing medical cover to the University patients from 3.00 p.m. to 6.00 p.m. daily.

Services of the Diabetic Clinic in the University Health Centre has also been improved. At present there are 1200 patients registered with the Diabetic Unit. Medical record of all these patients has been computerized and efforts are being made to control diabetes in these patients.

This year 109 patients were provided comprehensive Cardiac treatment at Punjab Institute of Cardiology. Similarly 14 patients were referred to Shaukat Khanum Memorial Cancer Hospital for treatment of Malignant diseases.

The Health Centre is also equipped with Digital X-Ray and latest Ultrasonography machine. Radiology Section attends 15 to 16 patients for X-Ray as well as 9 to 11 patients for Ultrasonography per day.

Gynaecological and ante natal management:

It is working 6 days a week. It includes prenatal counseling, antenatal record maintenance with regular follow up of patients and giving postnatal advice to the patients. It is very helpful in early detection of complications and warning signs of pregnancy and ensuring a healthy pregnancy outcome. Obstetrical out patients department is also equipped with sonic aid for fetal heart rate monitoring in high risk cases.

Eye Unit of the Health Centre is equipped with latest machines. One Ophthalmologist is providing his services to the University patients.

Physiotherapy Unit has also been established. Six to eight patients are being provided physiotherapy treatment every day.



One Senior Medical Officer is deputed at Allama Iqbal Campus (AIC). He provides medical aids to students and employees working in different departments at Allama Iqbal Campus. The Chief Medical Officer also visits AIC once a week.

50 to 60 patients including students, employees visit to the Laboratory for different tests. After getting admission in the University, 4920 students have visited the Health Centre this year for Hepatitis screening. Out of which 27 students turned out HBS-Ag positive and 76 HCV positive. Eighty Eight patients (74 Employees + 14 Students) received treatment for Hepatitis-B and Hepatitis-C from the Health Centre.

At present the Health Centre has two ambulances. This Centre provides transportation facilities to the University patients. These ambulances also take dead bodies to their native towns for funeral ceremonies.

On the request of the Chief Medical Officer, the Jinnah Hospital Lahore has started to provide out door Diagnostic facilities to the University patients. Shaukat Khanam Memorial Cancer Hospital and Mid-City (Cardex) Centre are already providing diagnostic facilities to the University patients.

After approval of the Syndicate, the Health Centre started to provide medical cover to the **'parents'** residing with the employees and wholly dependent on them.

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 weekly report about activities conducted by the Dengue Control Team of the Punjab University constituted by the Vice-Chancellor.

All the 281 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.

Student Counseling & Assessment Services was established in 2005 by Institute of Applied Psychology, University of the Punjab and since 2009 it has been functioning on the premises of University Health Centre under the patronage of the worthy Vice Chancellor.

The counseling services are offered for Punjab University Students. The main objectives of these services are to support and guide students having problems in the areas of academics, social or emotional adjustment or any serious psychiatric problem. Since 2009 up till 2013 almost 265 students have availed counseling services. Thus in 2014 the figure raised above 350 enrolled students, and uptill now it has been around 500 who have been provided psychological help on the basis of one to one counseling session and have shown good prognosis. Thus other students have availed simple guidance and assessment services on the basis of self-referral or in special cases referral by the competent authority. Counseling services is a joint venture of SCAS and Health Centre as in severe cases Psychiatric help is also provided by the doctors in Health Centre alongwith psychotherapy. All University students are eligible to receive counseling services at the SCAS free of cost.



Chapter

16

**FACILITIES OF THE UNIVERSITY
&
IMPROVEMENTS**

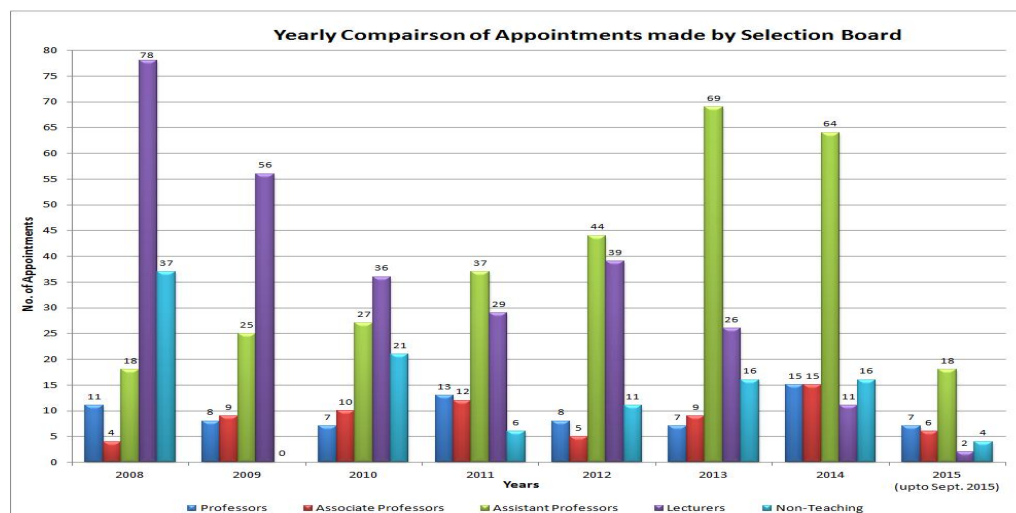
**CHAPTER****16****Facilities of the University & Improvements****Facilities of the University & Improvements****HUMAN RESOURCE BRANCH**

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:-

- Floating of advertisements
- Receiving/processing applications
- Conduct the Selection Boards
- Issuance of appointment orders

Till to time, 18 advertisements for appointment of teaching faculty and administrative posts (BS-17 & above) have been floated in the print media. Against these advertisements, 15367 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, 179 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 2015 become 849, 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 Dec. 2015	Prof. Dr. Mujahid Kamran	294
	Total	849
	Average (per year)	

AFFILIATION BRANCH

The following Colleges were visited during the period as per detail given below:-

Sr. No.	Name of the College	Nature of Visit	Subjects/ Disciplines
1.	Govt. Degree College for Women, Wanhar Buchal Kalan, Chakwal	Fresh Affiliation	B.A/B.Sc
2.	Govt. Degree College, Buchal Kalan, Chakwal	Extension in Affiliation	B.A/B.Sc
3.	Govt. Degree College for Women, Bhoun, Chakwal	Extension in Affiliation	B.A/B.Sc
4.	Horizon Degree College, Bhoun Road, Chakwal	Fresh Affiliation	BBA & M.Sc Botany, M.Sc Zoology M.Sc Physics
		Extension in Affiliation	B.A/B.Sc M.Sc Mathematics B.Com MBA BS(CS) M.Sc (IT)
5.	Govt. College for Women, Chakwal	Extension in Affiliation & Addition in Affiliation	B.A/B.Sc & Math (A & B) & Physics as elective



6.	Govt. College for Women, Balkasar, Chakwal	Extension Affiliation	in	B.A/B.Sc
7.	Govt. Postgraduate College, Talagang,	Extension Affiliation	in	B.A/B.Sc M.A Islamic Studies M.A Economics M.A Political Science
8.	Govt. College for Women, Talagang	Extension Affiliation	in	B.A/B.Sc
9.	Govt. Degree College for Women, Tamman, Chakwal	Fresh Affiliation		B.A/B.Sc
10.	Govt. Degree College for Women, Multan Khurd, Distt. Chakwal	Fresh Affiliation		B.A/B.Sc
11.	PAEC Model College for Boys, Chashma, Mianwali	Extension Affiliation	in	B.A/B.Sc
12.	PAEC Model College for Girls, Chashma, Mianwali	Extension Affiliation	in	B.A/B.Sc
13.	Punjab College of Commerce, 2-KM, Mianwali Road, Jauharabad.	Extension Affiliation	in	B.Com
14.	Govt. College of Commerce, Jauharabad,	Extension Affiliation	in	B.Com
15.	ILM College of Commerce, 85-87/A, Satellite Town, Sargodha.	Extension Affiliation	in	B.Com
16.	Punjab College of Commerce, 2-Khayaban-e-Saddiq, Sargodha	Extension Affiliation	in	B.Com
17.	Govt. College of Commerce, Sargodha	Extension Affiliation	in	B.Com & M.Com
18.	Superior College of Law, 23-L, Gulberg-III, Lahore	Extension Affiliation	in	LL.B
19.	Toppers Law College, 27-L, Gulberg-III, Lahore	Extension Affiliation	in	LL.B
20.	School of Law, 74-B/III, Gulberg-III, Lahore	Extension Affiliation & Increase intake	in	LL.B
21.	The Institute of Legal Studies, 15-Aziz Avenue, Canal Bank, Gulberg-V, Lahore	Extension Affiliation	in	LL.B
22.	Lahore Law College, 6-13-B, Waris Road, Lahore	Fresh Affiliation		LL.B



23.	Himayat-e-Islam Law College, 119-Multan Road, Lahore	Extension Affiliation	in	LL.B
24.	Global Law College, 35-Main G.T Road, Shahdara, Lahore	Extension Affiliation	in	LL.B
25.	Shams Tabrez Law College, Faizpur Interchange, Tehsil Ferozwala, Distt. Sheikhpura.	Fresh Affiliation		LL.B
26.	Muhammadan Law College, Hiran Minar Road, Opp. Beacon House School System, Sheikhpura	Extension Affiliation & Change Premises	in in	LL.B
27.	Punjab Law College, 3-KM, Sargodha Road, Sheikhpura	Extension Affiliation	in	LL.B
28.	Govt. Degree College for Women, Lalian, Distt. Chiniot	Extension Affiliation	in	B.A/B.Sc
29.	Govt. College for Women, Pindi Bhattian, Distt Hafizabad	Extension Affiliation	in	B.A/B.Sc
30.	Govt. Degree College, Pindi Bhattian	Extension Affiliation	in	B.A/B.Sc
31.	Nusrat Jahan Boys College, Rabwa	Extension Affiliation & Fresh Affiliation	in	B.A/B.Sc & BBA M.Sc Math M.Sc Physics M.A English
32.	Govt. Talim-ul-Islam College, Rabwa, Chenab Nagar, Chiniot	Extension Affiliation	in	B.A/B.Sc & M.A English M.A Urdu, M.A History M.Sc Physics M.A Arabic
33.	Govt. Jamia Nusrat College for Women, Chenab Nagar, Distt. Chiniot	Extension Affiliation	in	B.A/B.Sc
34.	Govt. Islamia College, Chiniot	Extension Affiliation & Increase intake	in in	B.Com & M.A English M.A Islamic Studies
35.	Din College, Lahore Road, Chiniot	Extension Affiliation	in	B.A/B.Sc & B.Com



36.	Govt. Degree College for Women, Gulshan-e-Ravi, Lahore	Extension Affiliation	in	B.A/B.Sc
37.	Himayat-e-Islam Degree College for Women, 119-Multan Road, Lahore	Extension Affiliation	in	B.A/B.Sc
38.	Govt. College of Commerce, Sabzazar, Lahore	Extension Affiliation	in	B.Com
39.	Govt. Ayesha Postgraduate College for Women, Timber Market, Ravi Road, Lahore	Extension Affiliation	in	B.A/B.Sc M.A Islamic Studies M.A Urdu M.A History
40.	Superior College of Commerce, Saeed Park, Ravi Toll Plaza, Shahdara, Lahore	Extension Affiliation	in	B.Com
41.	Govt. Institute of Commerce, Shahdara, Lahore	Extension Affiliation	in	B.Com
42.	Govt. College, Ravi Road, Shahdara, Lahore	Extension Affiliation	in	B.A/B.Sc & B.Com
43.	Stars Degree College, 35-G.T Road, Shahdara, Lahore	Fresh Affiliation		B.A/B.Sc
44.	Govt. College for Women, Shahdara, Lahore	Extension Affiliation	in	B.A/B.Sc
45.	Govt. College for Women, Ferozwala, Distt. Sheikhpura.	Extension Affiliation	in	B.A/B.Sc
46.	Govt. College for Women, Muridkay	Extension Affiliation	in	B.A/B.Sc
47.	Prime College of Commerce, Peer Plaza, G.T Road, Muridkay,	Extension Affiliation	in	B.Com & M.Com
48.	Govt. College of Science, Allama Iqbal Town, Wahdat Road, Lahore	Extension Affiliation	in	M.A Urdu M.A Economics M.Sc Math M.Sc Physics M.Sc Chemistry M.Sc Zoology
49.	Govt. College for Women, Wahdat Colony, Lahore	Extension Affiliation & Fresh Affiliation	in	B.Com & M.A Punjabi



50.	Govt. M.A.O College, Lahore	Extension Affiliation	in	M.A Urdu, M.A Economics M.A English M.A Mass Comm. M.Sc Math M.Sc App.Psychology
51.	Govt. Islamia College, Civil Lines, Lahore	Extension Affiliation	in	M.A English M.A Economics M.Sc Physics M.A Political Science M.A History M.A Urdu
		Addition Affiliation	in	M.Sc Applied Psychology 44
52.	Govt. College for Women, Gawalmandi, Lahore	Fresh Affiliation		B.Com
53.	Govt. Islamia College, Railway Road, Lahore	Extension Affiliation	in	B.A/B.Sc B.Com M.A English M.A Urdu
54.	Govt. Dyal Singh College, Lahore	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc B.Com M.A English M.A Urdu M.A Political Science M.Sc Mathematics & International Relation & Journalism as elective
55.	Govt. College for Women, Kot Khawaja Saeed, Lahore	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc B.Com & Computer Studies at degree level



56.	Govt. Islamia College of Commerce, Ravi Block, Allama Iqbal Town, Lahore	Fresh Affiliation		M.A Economics
57.	Govt. Kulliyat-ul-Banat College, 15-lake Road, Lahore	Extension Affiliation	in	B.A/B.Sc
58.	Govt. College of Technology for Women, 2-Lytton Road, Lahore	Extension Affiliation	in	B.Com
59.	Punjab College of Commerce, 314-Riwaz Garden, Lahore	Extension Affiliation	in	B.Com
60.	Govt. Apwa College for Women, Lahore.	Extension Affiliation	in	B.Com & B.A/B.Sc
61.	Apwa youth College for Girls, 65-Jail Road, Lahore.	Extension Affiliation	in	B.A/B.Sc
62.	Quaid-e-Azam College of Commerce, Shahrah-e-Aiwan-e-Tijarat, Lahore	Extension Affiliation	in	M.Com
63.	Nobel College of Commerce, 2-A, Shadman Chowk, Lahore	Extension Affiliation	in	B.Com & M.Com
64.	Qurban Degree College for Women, Walton Road, Lahore Cantt.	Extension Affiliation	in	B.A/B.Sc
65.	Jinnah College of Commerce, 33-A, Near Railway Crossing, Dharampura, Sadar Cantt. Lahore	Fresh Affiliation		B.A/B.Sc & B.Com
66.	Govt. Degree College for Women, Salamatpura, Lahore	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Certain subjects at degree level
67.	Govt. College for Women, Shorkot City	Extension Affiliation	in	B.A/B.Sc
68.	Punjab College of Commerce, 1-KM Cantt. Road, Shorkot	Extension Affiliation	in	B.Com
69.	Govt. Postgraduate College, Jhang	Extension Affiliation	in	B.A/B.Sc M.A Urdu M.A Economics M.A English M.Sc Stat M.Sc Physics M.Sc Math M.Sc Applied Psychology M.Sc Chemistry



70.	Govt. College for Women, Jhang City	Extension Affiliation	in	B.A/B.Sc
71.	Punjab College of Commerce, Gojra Road, Jhang Sadar	Extension Affiliation	in	B.Com
72.	Islamia College of Commerce, 5-F, Satellite Town, Jhang	Extension Affiliation	in	B.Com & M.Com
73.	Govt. College for Boys, Model Town, Lahore	Extension Affiliation	in	B.Com M.A English
74.	Govt. College for Women, Model Town, Lahore	Extension Affiliation	in	B.A/B.Sc & B.Com
75.	IBL College of Commerce, 18-C, Civic Centre, Faisal Town, Lahore	Extension Affiliation	in	B.Com
76.	Himayat-e-Islam Khawateen College, 4-Sher Shah Block, New Garden Town, Lahore	Extension Affiliation	in	B.A/B.Sc & B.Com & M.A English M.A Fine Arts M.A Urdu M.A Islamic Studies
77.	CFE College of Commerce & Sciences, 5-Babar Block, New Garden Town, Lahore	Extension Affiliation	in	B.Com & M.Com
78.	College of Tourism & Hotel Management, 5-C, Main Gulberg-II, Jail Road, Lahore	Fresh Affiliation		M.Sc Tourism & hotel Management
79.	Allegiance College of Commerce, 11-J, Gulberg-III, Lahore	Extension Affiliation	in	B.Com
80.	Wise College, 48-Main Gulberg, Lahore	Extension Affiliation	in	B.A/B.Sc & B.Com
81.	Chenab Law College, Jalalpur Jattan Road, Gujrat	Extension Affiliation	in	LL.B
82.	Gujrat Law College, 2-KM, Jalalpur Jattan Road, Gujrat	Extension Affiliation	in	LL.B



83.	Jinnah Law College, Near Ketchery, Jhelum	Extension Affiliation	in	LL.B
84.	Govt. College for Boys, Fateh Jang, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
85.	Govt. College for Women, Fateh Jang, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
86.	Dr. Rashad Degree College, Khaur, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
87.	Govt. Degree College, Pindi Gheb, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
88.	Govt. College for Women, Pindi Gheb, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
89.	Govt. College for Women, Jand, Distt. Attock	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Phys, Chemistry, Zoology, Math (A,B), Health&Physical Education, Stat as elective and Arabic as optional subject
90.	Govt. College for Women, Attock	Extension Affiliation	in	B.A/B.Sc
91.	Govt. Postgraduate College, Attock	Increase intake	in	B.A/B.Sc
92.	National Institute of Legal Studies, Attock	Extension Affiliation	in	LL.B
93.	Govt. College for Women, Hazro, Distt. Attock	Increase intake	in	B.A/B.Sc
94.	East & West Education System, Department of legal Studies, H#18, St#60, Sector F-11/4, Islamabad	Extension Affiliation	in	LL.B
95.	Rawalpindi Law College, F-746, Siddiqui Chowk, Satellite Town, Rawalpindi	Extension Affiliation	in	LL.B
96.	Muslim Law College, 74-A, Satellite Town, Rawalpindi	Extension Affiliation	in	LL.B
97.	Capital Law College, 313-A, Murree Road, Rawalpindi	Extension Affiliation & Increase intake	in in	LL.B
98.	Punjab Law College, F-749, 6 th Road, Satellite Town, Rawalpindi	Extension Affiliation	in	LL.B



99.	Govt. College of Commerce, Saidpur Scheme-2, Satellite Town, Rawalpindi	Extension Affiliation	in	B.Com & M.Com
100.	Govt. College for Women, Murree Road, Rawalpindi	Increase intake	in	B.A/B.Sc
101.	Rawalpindi College of Commerce, 147-C, Murree Road, Rawalpindi Cantt.	Extension Affiliation	in	B.A/B.Sc
102.	Govt. Degree College for Women, Peshawar Road, Rawalpindi	Extension Affiliation & Increase intake	in	B.A/B.Sc
103.	Rawal College of Commerce, 296-B, Peshawar Road, Rawalpindi	Extension Affiliation	in	B.Com
104.	Civil College, Lane No.1, Quaid-e-Azam Colony, Dhamial Road, Rawalpindi	Fresh Affiliation		B.A/B.Sc
105.	Federal Abdali College Chaman Abad Misrial Road, Rawalpindi.	Fresh Affiliation		B.A/B.Sc
106.	Govt. College for Women, Sihai, Rawalpindi	Fresh Affiliation		B.A/B.Sc
107.	New Pak College of Science, Faisalabad Road, Okara	Fresh Affiliation		B.A/B.Sc
108.	Quaid-e-Azam Law College, G.T Road, Okara,	Extension Affiliation	in	LL.B
109.	Govt. Degree College for Boys, Gogera, Distt. Okara	Extension Affiliation	in	B.A/B.Sc
110.	The Professional College of Commerce, Katchehry Chowk, Pakpattan Road, Depalpur.	Extension Affiliation & Fresh Affiliation	in	B.Com & B.A/B.Sc 94
111.	Govt. Degree College, Basirpur, Distt. Okara	Extension Affiliation	in	B.A/B.Sc
112.	Govt. Degree College, Haveli Lakha, Distt. Okara	Extension Affiliation	in	B.Com
113.	Informatics Education Centre, Ajman, UAE	Extension Affiliation	in	BBA, MBA, B.Ed
114.	Govt. Degree College for Women, Bhikhi, Sheikhpura	Extension Affiliation & Addition Affiliation	in	B.A/B.Sc & Certain Subjects at Degree Level
115.	Govt. Guru Nanak Degree College for Women, Nankana Sahib	Addition Affiliation	in	Computer Studies,



			Geography, History & Arabic as elective Subjects
116.	Govt. Degree College, Shahkot, Distt. Nankana Sahib	Extension Affiliation in	B.A/B.Sc
117.	Govt. College for Women, Sangla Hill	Extension Affiliation in	B.A/B.Sc
118.	Govt. Islamia Degree College, Sangla Hill,	Extension Affiliation in	B.A/B.Sc
119.	Govt. College for Women, Safdarabad, Distt. Sheikhupura	Extension Affiliation & Addition Affiliation in	B.A/B.Sc & Certain Subjects at degree level
120.	City Law College, 124-Allama Iqbal Road, Lahore	Extension Affiliation in	LL.B
121.	Govt. College for Women, Dharampura, Mustafabad, Lahore	Extension Affiliation in	B.A/B.Sc 2013-14
122.	Oxford College of Commerce, Shalimar Town, Baghbanpura, Lahore	Fresh Affiliation	M.Com
123.	Punjab College of Science, G.T Road, Kamonki	Fresh Affiliation	B.A/B.Sc
124.	Fatima Jinnah Girls College, Satellite Town, Fatima Jinnah Road, Kamonki	Fresh Affiliation	B.A/B.Sc
125.	Govt. College for Women, Nowshehra Virkan, Distt. Gujranwala	Extension Affiliation in	B.A/B.Sc 2013-14
126.	Soft Solutions College of Business & Technology, 60-A, Satellite Town, Gujranwala	Fresh Affiliation	B.Com & M.Com
127.	Govt. College of Home Economics, Gujranwala	Fresh Affiliation	B.Sc Home Economics
128.	Govt. College of Commerce, Kamalia	Extension Affiliation in	B.Com
129.	Govt. Postgraduate College, Kamalia	Extension Affiliation in	B.A/B.Sc M.A Economics M.A English



130.	Islamia College of Commerce, Jhang Road, T.T. Singh.	Extension affiliation	in	B.Com
131.	Govt. College of Commerce, T.T Singh,	Extension affiliation	in	B.Com
132.	Govt. Postgraduate College, Gojra	Fresh Affiliation		M.Sc Geography M.Sc Math M.A Islamic Studies M.A Urdu
133.	Govt. M.D College for Women, Gojra	Extension Affiliation	in	B.A/B.Sc
134.	Govt. College of Commerce, Kot Lakhpat, Lahore	Extension Affiliation	in	B.Com
135.	Govt. College for Women, Kot Lakhpat, Lahore	Extension Affiliation	in	B.A/B.Sc
136.	Dar-ul-Hikmat Degree College, Gullo Kot Ferozpur Road, Lahore	Extension Affiliation	in	B.A/B.Sc
137.	Govt. Degree College for Women, Kahna Nau, Lahore	Extension Affiliation	in	B.A/B.Sc
138.	Defence Degree College for Women, 487-FF, Phase-IV, DHA, Lahore Cantt.	Extension Affiliation	in	B.A/B.Sc
139.	Defence Degree College for Boys, 305-R-Block, Phase-II, DHA, Lahore	Extension Affiliation	in	B.Com
140.	Garrison Post Graduate College, Phase-VI, Avenue-4, Block-C, DHA, Lahore Cantt.	Extension Affiliation	in	B.A/B.Sc B.Com M.A English M.A Mass Communication M.Sc Applied Psychology M.Sc Math M.A Economics M.Sc Statistics M.A Urdu
141.	Govt. Degree College for Women, Sahianwala, Distt. Faisalabad	Extension Affiliation	in	B.A/B.Sc
142.	Lyallpur Law College, 670-A, peoples Colony, Canal Road, Faisalabad	Extension Affiliation	in	LL.B
143.	Faisalabad College of Law, P-358, Amin Town, Near Kashmir Bridge, Canal Road, Faisalabad	Extension Affiliation	in	LL.B
144.	Islamic Science College for Women, 172-G.B, Faisalabad	Extension Affiliation	in	B.A/B.Sc



145.	Govt. College, Jaranwala, Distt. Faisalabad.	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Computer Studies as elective
146.	Govt. College for Women, Jaranwala	Extension Affiliation	in	B.A/B.Sc M.A English M.A Urdu M.A Islamic Studies
147.	Punjab College of Science, Opp. DSP Office, Canal Road, Jaranwala	Extension Affiliation	in	B.A/B.Sc
148.	Punjab College of Commerce, Opp. DSP Office, Canal Road, Jaranwala	Extension Affiliation	in	B.Com
149.	School of Advance Business & Commerce, 348-Market Road, Model Town, Sialkot	Extension Affiliation	in	BBA MBA BS(CS)
150.	NISA College of Computer & Management Sciences, Anwar Club Road, Sialkot	Fresh Affiliation		M.Sc (IT)
151.	Nisa Girls College of Science, Anwar Club Road, Sialkot	Fresh Affiliation		M.Sc Applied Psychology
152.	Islam Law College, Pasrur Road, Sialkot	Extension Affiliation	in	LL.B
153.	Allama Iqbal Law College, Jail Road, Pakpura, Sialkot	Extension Affiliation	in	LL.B
154.	Shadab Law College, Nasir Road, Sialkot	Extension Affiliation	in	LL.B
155.	Leadership College, Khadim Ali Road, Sialkot	Increase intake	in	B.A/B.Sc
156.	Govt. College of Commerce, Kot Lakhpatt, 1-C-II, Township, Lahore	Extension Affiliation	in	B.Com
157.	Govt. College for Women, Chung, Lahore	Fresh Affiliation		B.A/B.Sc
158.	Govt. College for Women, Marghzar Colony, Lahore	Extension Affiliation	in	B.A/B.Sc
159.	Govt. College for Women, Data Nagar, Ravi Road, Lahore	Fresh Affiliation		B.A/B.Sc
160.	Govt. College for Women, Shadbagh, Lahore	Extension Affiliation	in	B.Com & M.A English



161.	City Law College, 124-Allama Iqbal Road, Lahore	Extension Affiliation	in	LL.B
162.	Quaid-e-Azam College of Commerce, Shahrah-e-Aiwan-e-Tijarat, Lahore	Extension Affiliation	in	M.Com
163.	Govt. Islamia College Boys, Ghazi Abad, Lahore Cantt.	Fresh Affiliation		B.A/B.Sc
164.	Ikhwan Science College, Barki, Lahore	Extension Affiliation	in	B.Com
165.	Al-Biruni Govt. College, Pind Dadan Khan, Distt. Jhelum	Extension Affiliation	in	B.A/B.Sc
166.	Govt. College for Women, Pind Dadan Khan, Distt. Jhelum	Extension Affiliation	in	B.A/B.Sc
167.	PMDC Degree College for Women, Khewra, Distt. Jhelum	Extension Affiliation	in	B.A/B.Sc
168.	Govt. College for Women, Choa Saiden Shah, Chakwal	Extension Affiliation	in	B.A/B.Sc
169.	Horizon Degree College, Bhoun Road, Chakwal	Fresh Affiliation		M.Sc Botany, M.Sc Zoology
170.	Govt. College for Women, Mulhal Mughlan, Distt. Chakwal	Extension Affiliation	in	B.A/B.Sc
171.	Women's Institute of Science & Humanities, Street#5, Faiz Ahmed Faiz Road, H-8/2, Islamabad	Fresh Affiliation		M.Sc Applied Psychology
172.	Zarghoona College for Women, Wah Cantt.	Extension Affiliation	in	B.A/B.Sc
173.	Cantt. College for Girls, 1-Officers Colony, Lala Rukh, Gudwal More, Wah Cantt.	Extension Affiliation	in	B.A/B.Sc
174.	Jinnah College of Commerce, A-05, Lala Rukh, Quaid Avenue, Wah Cantt. Disst. Rawalpindi	Extension Affiliation	in	B.Com
175.	Govt. College for Women, Taxila	Extension Affiliation	in	B.A/B.Sc
176.	Govt. Degree College, Taxila	Extension Affiliation	in	B.A/B.Sc
177.	Govt. Degree College for Women, Hassanabdal, Distt. Attock	Extension Affiliation	in	B.A/B.Sc
178.	Govt. College for Women, Kallar Syedan, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
179.	Govt. College for Boys, Kallar Syedan, Rawalpindi	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Certain subjects at degree level
180.	Al-Suffa College of Commerce, Fatima Jinnah Road, Kallar Syeda, Rawalpindi	Extension Affiliation	in	B.Com 148



181.	S.S. (N.H) Govt. College, Gujar Khan	Extension Affiliation	in	B.A/B.Sc
182.	Govt. College for Women, Gujar Khan,	Extension Affiliation	in	B.A/B.Sc
183.	Al-Amir Foundation Degree College for Women, main Road, Daultala	Fresh Affiliation		B.A/B.Sc
184.	City Law College, 124-Allama Iqbal Road, Lahore	Extension Affiliation	in	LL.B
185.	Lahore Law College, 6-13-B, Waris Road, Lahore	Fresh Affiliation		LL.B
186.	Quaid-e-Azam Law College, 5-Railway Road, Sargodha	Extension Affiliation	in	LL.B
187.	Gabriel Law College, Near Distt. Ketchary Phalia Road, Mandi Bahauddin	Extension Affiliation & Increase intake & Change Premises	in in in	LL.B
188.	Punjab College of Science, G.T Road, Jhelum	Extension Affiliation	in	B.A/B.Sc
189.	Punjab College of Commerce, G.T Road, Jhelum	Extension Affiliation	in	B.Com & MBA
190.	Punjab Degree College for Women, Ketchary Road, Jhelum	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Botany, Zoology, Chemistry, Physics as elective subjects
191.	Govt. College of Commerce, Jhelum	Extension Affiliation	in	B.Com
192.	Govt. College for Women, Jhelum	Extension Affiliation	in	B.A/B.Sc
193.	Govt. College, G.T Road, Jhelum.	Extension Affiliation	in	B.A/B.Sc
194.	Govt. College, Sohawa, Jhelum	Extension Affiliation	in	B.A/B.Sc
195.	Govt. College for Boys, Dina, Jhelum	Extension Affiliation	in	B.A/B.Sc



196.	Govt. College for Women, Dina, Jhelum	Extension Affiliation	in	B.A/B.Sc
197.	Govt. College for Women, Manghot, Distt. Rawalpindi	Fresh Affiliation		B.A/B.Sc
198.	F.G Quaid-e-Azam Degree College, Chaklala-III, Rawalpindi	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Physics as elective subject
199.	Ilqa Postgraduate Girls College, Rahimabad, Airport Road, Chaklala Cantt.	Extension Affiliation	in	B.A/B.Sc & M.A English M.A Economics
200.	Punjab College of Commerce, Main Highway, Near Punjar Chowk, Kahuta	Extension Affiliation		B.A/B.Sc & B.Com
201.	Govt. College for Women, Kahuta, Rawalpindi	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Botany, Zoology, Chemistry, Geography, Math, Stat, Physics, Urdu & Health & Phy.Education as elective
202.	Govt. Degree College, Kahuta	Extension Affiliation	in	B.A/B.Sc
203.	Govt. Degree College for Boys Kotli Sattian Rawalpindi	Extension Affiliation	in	B.A/B.Sc
204.	Govt. Degree College for Women, khayaban-e-Sir Syed, Rawalpindi	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc & Journalism at degree level
205.	Govt. College for Women, Dhoke Hassu, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
206.	Govt. College for Women, Dhoke Ratta, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
207.	Govt. College for Women, Dhoke Mangtal, Rawalpindi	Extension Affiliation	in	B.A/B.Sc



208.	Govt. College for Women, Mohanpura, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
209.	Govt. Degree College for Women, Muslim Town, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
210.	Govt. Degree College for Women, Jhanda Chichi, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
211.	Govt. Viqar-un-Nisa College for Women, Rawalpindi	Extension Affiliation	in	B.A/B.Sc & M.A English
212.	F.G Degree College for Women, Abid Majeed Road, Rawalpindi	Extension Affiliation	in	B.A/B.Sc
213.	CFE Institute of Management & Sciences, 10-B, Aibak Block, new Garden Town, Lahore	Fresh Affiliation		BBA
214.	The College of Law, Kanjrur Road, Narowal	Extension Affiliation	in	LL.B
215.	Govt. Degree College for Boys, Depalpur	Extension Affiliation	in	B.A/B.Sc
216.	Govt. Degree College for Women, Depalpur,	Extension Affiliation	in	B.A/B.Sc
217.	The Professional College of Commerce, Katchehry Chowk, Pakpattan Road, Depalpur.	Extension Affiliation	in	B.A/B.Sc
218.	Punjab College of Commerce, Pakpattan bypass, Depalpur.	Extension Affiliation	in	B.Com
219.	Superior College of Commerce, Okara Road, Depalpur.	Extension Affiliation	in	B.Com
220.	Govt. Degree College, Haveli Lakha, Distt. Okara	Extension Affiliation & Addition Affiliation	in in	B..A/B.Sc & B.Com & B.Sc classes
221.	Govt. College for Women, Haveli Lakha, Distt. Okara	Extension Affiliation	in	B.A/B.Sc 183
222.	Govt. College for Women, Basirpur, Distt. Okara	Extension Affiliation	in	B.A/B.Sc
223.	Govt. Degree College for Boys, Hujra Shah Muqem, Distt. Okara	Extension Affiliation	in	B.A/B.Sc
224.	Govt. College for Women, Hujra Shah Muqem, Distt. Okara	Extension Affiliation	in	B.A/B.Sc



225.	Govt. College for Women, Renala Khurd, Okara	Extension Affiliation Addition Affiliation & Increase intake	in in in	B.A/B.Sc & Library Sci H&Phy. Education
226.	Govt. College for Boys, Renala Khurd, Okara	Extension Affiliation Addition affiliation	in in	B.A/B.Sc & Library sci, journalism, Arabic, Persian
227.	Govt. College for Women, Okara	Extension Affiliation	in	B.A/B.Sc
228.	Govt. College for Women, South City, Okara	Extension Affiliation	in	B.A/B.Sc
229.	F.G Degree College, Okara Cantt.	Addition Affiliation	in	Computer Studies, H&Physical Education, Library Science as elective 2015-15
230.	Punjab College of Science, G.T Road, Near Abdullah Hospital, Okara	Addition Affiliation & Change in Name	in	B.A/B.Sc
231.	Hazrat Karmanwala College, G.T Road, Okara	Extension Affiliation	in	B.A/B.Sc
232.	The Limit College of Management Sciences, 48-Aqsa Block, Karmanwala Town, Okara	Extension Affiliation & Change Premises	in in	MBA
233.	New Pak College of Commerce, 59-Faisalabad Road, Okara	Extension Affiliation	in	B.Com
234.	Superior College, Jawad Avenue, G.T Road, Okara	Extension Affiliation & Fresh Affiliation	in	B.Com M.Com & B.A/B.Sc
235.	Concordia College, G.T Road, Near By Pass, Okara	Fresh Affiliation		B.Com B.A/B.Sc BBA



236.	Quaid-e-Azam Law College, G.T Road, Okara,	Extension Affiliation	in	LL.B
237.	Independent College of Commerce, 178-Jinnah Colony, Faisalabad	Extension Affiliation	in	B.Com
238.	The Summit College for Girls, P-41, Link Road, Jinnah Colony, Faisalabad	Extension Affiliation	in	B.Com
239.	Shiblee College of Commerce, 134/135-C, D-Ground Peoples Colony, Faisalabad	Extension Affiliation	in	B.Com
240.	Tips College of Commerce, 646-D, Peoples Colony No. 1, Faisalabad.	Extension Affiliation	in	B.Com
241.	Superior College of Commerce, 103-C, Peoples Colony-1, Faisalabad	Extension Affiliation	in	B.Com 202
242.	The City College of Commerce, 431-D, Peoples Colony, Faisalabad	Extension Affiliation	in	B.Com
243.	Govt. College of Commerce, Peoples Colony, Faisalabad 7	Extension Affiliation & Increase intake	in in	MBA & M.Com
244.	TIPS College of Commerce, P-30-B, Saeed Colony, Near Kashmir Bridge, Faisalabad	Extension Affiliation	in	B.Com
245.	GIFT College of Commerce, Sialkot Bypass, Gujranwala	Extension Affiliation	in	B.Com
246.	GIFT College of Sciences, Near Gift University Chowk, Gujranwala	Extension Affiliation	in	B.A/B.Sc
247.	The Educators College of Commerce, Shaheenabad, G.T Road, Gujranwala	Extension Affiliation	in	B.Com
248.	Superior College of Commerce, 7-8/A, Main G.T Road, Gujranwala	Extension Affiliation	in	B.Com
249.	Jamia tul Banat Degree College, 533-A, Model Town, Gujranwala	Extension Affiliation & Addition Affiliation	in in	B.A/B.Sc B.Com & Math, Stat, as elective subjects
250.	Zeitech College of Commerce, 76-A, Satellite Town, Gujranwala	Extension Affiliation	in	B.Com
251.	National Science College for Girls, 30/A, Satellite Town, Gujranwala	Extension Affiliation	in	B.A/B.Sc
252.	Superior Science College for Girls, 111-A, Satellite Town, Gujranwala	Extension Affiliation	in	B.A/B.Sc
253.	Crescent Science College, 32-A, Satellite Town, Gujranwala	Extension Affiliation	in	B.A/B.Sc & B.Com



254.	Elite College of Commerce, 99-E/A, Zero Point, Satellite Town, Gujranwala	Extension Affiliation	in	B.Com
255.	Image College of Commerce, Anns Plaza, Nisbat Road, Daska,	Extension Affiliation	in	B.Com
256.	Elite College of Commerce, Pasrur Bypass, Daska	Extension Affiliation	in	B.Com
257.	Punjab College of Commerce, Pasrur bypass Road, Daska	Extension Affiliation	in	B.Com
258.	Govt. Degree College, Daska	Extension Affiliation	in	B.Com
259.	Govt. Shahbaz Sharif Degree College for Women, Jamkey, Cheema, Daska	Fresh Affiliation		B.A/B.Sc
260.	Leadership College, Khadim Ali Road, Sialkot	Extension Affiliation & Increase intake	in in	B.A/B.Sc
261.	Leadership College of Commerce, Kashmir Road, Sialkot	Extension Affiliation	in	B.Com
262.	The Vision College of Science, Saidpur Gondal Road, Sialkot	Extension Affiliation	in	B.A/B.Sc
263.	The Vision College of Commerce, Saidpur Gondal Road, Sialkot	Extension Affiliation	in	B.Com
264.	Superior College of Commerce, Kashmir Road, Sialkot	Extension Affiliation	in	B.Com
265.	The Standard College of Commerce, 3/530, Paris Road, Sialkot	Extension Affiliation	in	B.Com
266.	Sialkot College of Commerce, Railway Road, Sialkot	Extension Affiliation & Change Premises	in in	B.Com
267.	M.A Jinnah College of Commerce, Ghulam Ahmad Road, Near Kalan Gujran. Jhelum	Extension Affiliation	in	B.Com
268.	Wings College of Commerce, 4-Civil Lines, Jhelum.	Extension Affiliation	in	B.Com
269.	Punjab Degree College for Women, Ketchary Road, Jhelum	Extension Affiliation	in	B.A/B.Sc
270.	Zahoor-ul-Islam Girls Degree College, Near Railway Station, Gujar Khan	Extension Affiliation	in	B.A/B.Sc
271.	Punjab College of Sciences, Main G.T Road, Gujar Khan	Extension Affiliation	in	B.Sc
272.	Punjab College of Commerce, Main G.T Road, Gujar Khan	Extension Affiliation	in	B.Com



273.	Gentry College of Commerce & Sciences, Nagail Road, Gujar Khan	Fresh Affiliation	B.A/B.Sc & B.Com
274.	Punjab College, Bhara Koh Main Murree Road, Islamabad	Fresh Affiliation	B.A/B.Sc 2015-15
275.	Punjab College of Commerce, Bhara Koh Main Murree Road, Islamabad	Extension Affiliation in	B.Com
276.	Princess Sultana Degree College for Women, Farash Town, Lethrar Road, Islamabad.	Extension Affiliation & Addition Affiliation in	B.A/B.Sc & Journalism & Fine Arts at degree Level
277.	College of Commerce Sultana Foundation, Lethrar Road, Farash Town, Islamabad.	Extension Affiliation in	B.Com
278.	Prince Suleman College of Professional Education, Farash Town, Lethrar Road, Islamabad.	Extension Affiliation in	B.A/B.Sc
279.	Govt. College for Women, Murree, Distt. Rawalpindi	Extension Affiliation in	B.A/B.Sc
280.	Govt. College for Women, Phagwari, Murree	Extension Affiliation in	B.A/B.Sc
281.	Govt. College for Women, Rehmat Abad, Rawalpindi	Fresh Affiliation	B.A/B.Sc
282.	Govt. College for Women, Murree Road, Rawalpindi	Extension Affiliation in	B.A/B.Sc
283.	PACE College, 114/7, Saddi Road Saddar, Rawalpindi Cantt.	Extension Affiliation in	B.Com
284.	Quaid Science College, Lane#11, Quaid-e-Azam Colony, Chakri Road, Rawalpindi Cantt.	Extension Affiliation in	B.Com
285.	Civil College, Lane No.1, Quaid-e-Azam Colony, Dhamial Road, Rawalpindi	Extension Affiliation in	B.A/B.Sc
286.	Rawalpindi College of Commerce, 147-C, Murree Road, Rawalpindi Cantt.	Extension Affiliation in	B.Com & M.Com
287.	Rawalpindi Cantt. College of Commerce, 1-Sarwar Road, Near Station Headquarters, Rawalpindi Cantt.	Extension Affiliation in	B.Com



288.	Modern College of Commerce & Science, 239-Tufail Road, Laal kurti, Rawalpindi Cantt.	Extension Affiliation	in	B.Com
289.	SKANS School of Accountancy, 113-C, Finance Road, Saddar Rawalpindi	Extension Affiliation	in	B.Com
290.	Govt. College of Science, Wahdat Road, Lahore	Extension Affiliation	in	BS (Hons.) in Botany, Chemistry IT, Economics, Education, English, Communication Studies, Math, Physics, Political Science, Sociology, Stat, Urdu, Zoology, BBA
291.	Govt. College for Women, Wahdat Colony, Lahore	Extension Affiliation	in	B.A/B.Sc M.A Urdu M.A Punjabi, M.Sc App.Psychology
292.	Govt. College of Commerce, Hunza Block, Allama Iqbal Town, Lahore	Extension Affiliation	in	B.Com
293.	Govt. Islamia College of Commerce, Ravi Block, Allama Iqbal Town, Lahore	Extension Affiliation	in	B.Com & M.A Economics
294.	Concordia College, 131-132, Rachna Block, Allama Iqbal Town, Lahore	Fresh Affiliation		B.A/B.Sc BS(CS) BBA
295.	Standard College of Commerce, 32-B, New Muslim Town, wahdat Road, Lahore	Extension Affiliation & Fresh Affiliation	in	B.Com M.Com & B.A/B.Sc
296.	Mansoor Model Degree College, Wahdat Road, Lahore.	Extension Affiliation	in	B.A/B.Sc & B.Com
297.	Himayat-e-Islam Degree College for Women, 119-Multan Road, Lahore	Extension Affiliation	in	B.A/B.Sc & B.Com



298.	Govt. Jinnah Degree College for Women, Mozang, Lahore	Extension Affiliation	in	B.A/B.Sc
299.	Govt. College for Women, Jalalpur Bhattian, Hafizabad	Fresh Affiliation		B.A/B.Sc
300.	Cause Way College, Vanikey Road, Hafizabad	Fresh Affiliation		B.A/B.Sc
301.	Punjab College, 55-Gulshan-e-Sultan, Gujranwala Road, Hafizabad	Extension Affiliation	in	B.A/B.Sc
302.	Punjab College of Commerce, 55-Gulshan-e-Sultan, Gujranwala Road, Hafizabad	Extension Affiliation	in	B.Com
303.	Bright Muslim College of Commerce, Gujranwala Road, Near Chungi, Hafizabad	Extension Affiliation	in	B.Com
304.	Hafizabad College of Commerce, Gujranwala Road, Hafizabad.	Extension Affiliation	in	B.Com
305.	Superior College of Commerce, Jinnah Chowk, Hafizabad	Extension Affiliation	in	B.Com
306.	Govt. Islamia College for Women, Hafizabad	Extension Affiliation	in	M.A English
307.	Punjab College of Science, G.T Road, Kamonki	Extension Affiliation	in	B.A/B.Sc
308.	The Webster College of Commerce, G.T Road, Kamoke	Extension Affiliation	in	B.Com
309.	United College of Commerce, G.T Road, Kamoke	Extension Affiliation & Addition Affiliation	in	B.A/B.Sc & Certain Subjects at degree level
310.	Govt. College for Boys, Gulberg, Ferozpur Road, Lahore	Fresh Affiliation & Extension Affiliation	in	B.Com & B.A/B.Sc M.A Islamic Studies Diploma in Physical Edu. M.A in Physical Education
311.	Central College of Commerce, 58-I, Gulberg-III, Kalma Chowk, Lahore.	Extension Affiliation	in	MBA
312.	Superior College of Commerce for Women, 36-L, Gulberg-III, Lahore	Extension Affiliation & Change Premises	in	B.Com



313.	Superior College of Commerce, 30-L, Gulberg-III, Lahore	Extension Affiliation & Change Premises	in in	B.Com
314.	Govt. Khawaja Rafique Shaheed College, Walton Road, Lahore	Extension Affiliation	in	B.Com
315.	Govt. Rabia Basri College for Women, Walton Road, Lahore	Fresh Affiliation		B.Com
316.	Govt. College for Boys, Model Town, Lahore	Extension Affiliation	in	B.A/B.Sc
317.	Grand Charter College, 90-K, Model Town, Lahore	Fresh Affiliation		B.A/B.Sc M.A English B.Sc Chemical Engineering B.Sc Electrical Engineering BS(CS) M.Sc (IT) B.Architecture BBA
318.	Gulab Devi Institute of Pharmacy, Gulab Devi Educational Complex, Ferozepur Road, Lahore	Fresh Affiliation		Pharm-D
319.	Barani College of Commerce, Kaira G.T Road, Lalamusa,	Extension Affiliation	in	B.Com
320.	Punjab College of Commerce, Bismillah Chowk, G.T Road, Kharian.	Extension Affiliation	in	B.Com
321.	Nisa Girls College, Adjacent Hira CNG, G.T Road, Kharian	Extension Affiliation	in	B.Com & B.A/B.Sc.
322.	Kharian College of Commerce & Computer Sciences, G.T Road, Kharian	Extension Affiliation	in	B.Com M.Com
323.	Islamic Asian college of Commerce, G.T Road, Kharian	Extension Affiliation & Fresh Affiliation	in	B.Com & B.A/B.Sc. M.Com
324.	Gabriel Law College, Opp. Seven Ways Resturant, Phalia Road, Mandi Bahauddin	Extension Affiliation Increase intake Change Premises	in in in	LL.B 274



325.	Govt. College for Women, Mandi Bahaudin.	Extension Affiliation	in	B.A/B.Sc.
326.	National College of Commerce & Computer Sciences, Phalia Road, Mandi Bahauddin	Extension Affiliation	in	B.Com
327.	Govt. College for Women, Phalia,	Extension Affiliation	in	B.A/B.Sc.
328.	Punjab College of Science, THQ Hospital Road, Phalia	Extension Affiliation	in	B.A/B.Sc.
329.	Punjab College of Commerce, THQ Hospital Road, Phalia	Extension Affiliation	in	B.Com
330.	Govt. College for Women, Mustafabad, Dharampura, Lahore	Extension Affiliation	in	B.A/B.Sc
331.	Jinnah College of Commerce, Near Railway Crossing, Dharampura, Sadar Cantt.	Fresh Affiliation		B.Com
332.	Govt. Degree College, Shorkot City, Distt. Jhang	Extension Affiliation	in	B.A/B.Sc
333.	Punjab College of Commerce, 1-KM Cantt. Road, Shorkot	Extension Affiliation	in	B.Com
334.	Govt. College of Commerce, Jhang	Extension Affiliation	in	B.Com
335.	Govt. College for Women, Jhang	Extension Affiliation	in	B.A/B.Sc
336.	Govt. College for Women, Jhang City	Increase intake	in	B.A/B.Sc
337.	Govt. Ghazali Degree College, Jhang	Extension Affiliation	in	B.A/B.Sc
338.	Rachna College of Commerce, 8-Civil Lines, Toba Road, Jhang	Extension Affiliation	in	B.Com
339.	Islamia College of Commerce, 5-F, Satellite Town, Jhang	Extension Affiliation	in	B.Com
340.	Jinnah Islamia College of Commerce, 34-A, Peco Road, Township, Lahore	Extension Affiliation	in	B.Com, M.Com MBA
341.	Ch. Rehmat Ali Memorial Trust Akhter Majeed Girls Degree College, Civic Centre, Township, Lahore	Extension Affiliation	in	B.A/B.Sc
342.	Central Institute of Management Sciences, Peco Road, Near Nadra office, Township, Lahore	Extension Affiliation & Change in Name	in	B.Com M.Com
343.	Govt. College for Women, Township, Lahore	Extension Affiliation	in	B.A/B.Sc & Diploma in Physical



			Education & M.A Physical Education
344.	Govt. College for Women, Wapda Town, Lahore	Extension Affiliation in	B.A/B.Sc
345.	Punjab Institute of Contemporary Sciences, 48-49-A, Aabpara Society, 7-KM, Raiwind Road, Lahore	Extension Affiliation in	B.Sc (Chemical Engineering) B.Sc Electrical Engineering B.Architecture Diploma in Graphic Design
		Extension Affiliation & Change in Nomenclature	BBIT BS Software Engineering MBIT MSc (CS)
346.	Punjab College of Commerce & Science, Asal Road, Near Over Head Bridge, Raiwind	Extension Affiliation in	B.Com
347.	Govt. Degree College for Women, Raiwind	Addition Affiliation in	Statistics as Elective and Persian as Optional subject

Summary

Total colleges visited	=	347
Fresh Affiliation granted	=	43
Addition /extension/increase in intake granted	=	293
De-Affiliation/Affiliation Withdrawn	=	16

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 complaints were entered in the Dairy Register and were disposed off accordingly. E-Mail accounts were handled. 4083 documents were attested for HEC. Arrangement of Monitoring of Examination Centers of B.A. / B.Sc, M.A / M.Sc, B.Ed Commerce Law etc were made. Monitoring teams of University Teachers were constituted and daily visit programme of Examination Centers for these teams were prepared / checked out. 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. Enquires 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 Examination as well. Daily dak and public inquiries relating to Exams, results degrees problems are also dealt within the personal section. 4466 T.A. / D.A. bills of Resident Inspector, Monitoring Teams of various Examinations were processed. 250 PhD these were received for evaluation. 100 letters and reminders were dispatched to M.S., M.D. & M.D.S these Examinations. 08 M.S. cases sent to Secrecy Branch after completion. 3960 letters were dispatched to the Resident Inspector & Monitoring Team. 1000 Police Administration letters were issued. 51,000 degrees were signed by the Controller of Examinations. 150 thesis were sent to HEC for record. 500 remuneration bills of Ph.D. thesis to Examinations evaluation were processed.

Conduct Branch

Conduct Branch of Department of Examinations is assigned with the major task of carrying out all those steps which are involved in the conduct of any exam, local or abroad. It starts the process of any exam from the scratch and works earnestly until the exam is terminated successfully. The Conduct Branch is to make arrangements for the conduct of 305 Exams in a year. The working of the Branch for the period October 01, 2014 to September 30, 2015 is being summarized as under.

About 205 theory exams while 95 practical exams were conducted during the above mentioned period and about 1508 theory centers with 362 practical centers were constituted. In these centers about 1560 Superintendents, 1600 Additional Superintendents and 6000 Invigilators were appointed. In addition to this 425 Distributing Inspectors were appointed. For theory exams 2270000 Answer-Books, were dispatched to all the constituted centers. Also for practical examinations about 1400000 practical answer-books were dispatched to the constituted centers. Further, about 52000 sealed packets containing question papers were also sent to various cities where examination centers were constituted.

Also 65 exams were conducted abroad in various countries for expatriate Pakistanis.

Secrecy Branch

The B.A. /B.Sc. Supplementary Examination 2014, Annual Examination 2015, special Examinations were held and their results were also declared without any delay. 2495 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 2014 were declared. 1000 R.L. cases were also cleared and special examinations (Urdu, Political Science, Economics, English & History) of M.A. Part-I Annual Examination 2014 were held in Kuwait, K.S.A, Germany, Libia and U.A.E. Their results were declared. Special 11 examinations of M.A. History, English, Economics Political Science & Urdu, Part-II Annual 2014 were also held in K.S.A, U.A.E., U.K., Turkey, Masqat, Beijing, China & Germany and the results of the same were also declared 16 exam 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, 2014 and February, March 2015 and their results were 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 2014 to September 2015. Scripts were received from examination centres, processed and were dispatched to examiners for marking. Marked scripts were kept in the section. About 11500 R.L., R.F.C. cases, 98 different other cases pertaining to above mentioned examinations and about 221 Re-checking cases were settled during this period. All Prof. of M.B.B.S 2nd Annual examination 2014 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 all Prof. of M.B.B.S examinations. Central marking of B.S. 4 Years program was conducted in Secrecy Branch. It is pointed out that Central Marking of M.Com P-I & II 2nd Annual 2014. The results of B.Com Part-I and Part-II Supplementary Examination 2014 and Annual Examination 2015 were declared well in time. Central Marking of LLB Part-I, II & III Supplementary Examination 2014 and Annual Examination 2015 was conducted in the building of Law College Punjab University Lahore. B.Com Part-I Annual 2015 300 R.L. Cases R.F.C 1000 & 250 Re-checking case were also cleared. B.Com Part-II Annual 2015 280 R.L. Cases R.F.C. 3000 & 400 Re-checking cases were also cleared. LLB Part-I, II & III Annual 2015 290 R.L. Cases R.F.C. 1500 & 200 Re-checking cases were also cleared. This section dealt with the most sensitive and confidential nature of work of the Department of Examinations, University of the Punjab. The examiners are provided by the Conveners of various subjects or disciplines. The lists of examiners and paper setters got approved from the worthy Vice-Chancellor before sending appointment letters to examiners concerned. The appointments of Paper Setters, Head, Sub and Practical Examiners for all the theory and practical examinations local and abroad are made by this section. Substitutes are also provided by the conveners in case of refusal from the examiners or paper setters of any discipline. The question papers of all the examinations got set from the paper setters for written and practical examinations local and abroad as well. Thereafter, preparation of remunerations, T.A./D.A. and contingent bills of paper setters/examiners are sent to the Accounts Branch duly recommended by the Controller of Examinations for payment to the examiners. Central marking of following examinations is also dealt i.e. M.B.A., B.B.A, B.Com Part-I,II, LLB Part-I,II,III, MBBS all professionals, B.S. 4th Years Semester-I,II,III,IV,V,VI,VII,VIII (containing 802 subjects). During the period October, 2014 to September 2015, 21042 examiners and 6447 paper setters were appointed to fulfill above mentioned tasks. During the period from 1st October 2014 to 30th September 2015, 1214 unfairmeans cases in B.A./B.Sc., M.A/M.Sc. and 440 cases in all other examinations were registered. All the cases were finalized before the declaration of result.

External & Computer Degree Section

The major task of this section is to issue the degrees and verification of documents of the candidates nationwide and expatriate Pakistanis. The following progress was made during the specific period; 7860 degree forms were received without fee, 6473 degree forms received with fee, 12457 Verification forms were received with fee (V. Number), 5613 Verification cases were received from different departments with fee (R. Number), 900 Verification cases were received from different departments without fee (FR. Number), 48959 degrees of B.A/B.Sc sent to the candidates at their home addresses by registered mail. 23907 degrees of M.A/M.Sc. candidates were sent to their home addresses by registered mail. 37810 degrees of B.Com, LLB & all other candidates of professional examinations (Regular & Private) were sent to colleges and at home addresses respectively. 2095 Total all type of diplomas, Detailed Marks Certificates and merit certificates were issued. 1629 forms were sent back to candidates due to their incomplete documents were issued during the period.

B.A/B.Sc Hall / B.A/B.Sc(Computer)



This section dealt with the results of B.A./B.Sc. Supplementary Examination, 2014, total 21875 candidates appeared and 9921 candidates were declared successful.

B.A./B.Sc. Annual Examination, 2015 was held in April, 2015, total 121658 candidates appeared out of which 48651 declared successful.

The commencement of relevant examinations and declaration of results were made within stipulated time successfully.

Server Room and General Section (Exams)

Troubleshooting of equipment, 420 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 repair. The management of production Printers has also been done timely.

In July 2015, Department of Examinations has started working on development of new software of Examinations Management Information System. New software will not only enhance computerization and working of Examination procedures but will also facilitate students through implementation of online data entry and interaction through SMS.

This section also dealt a lot of matter to staff working under Controller of Examinations i.e. processing of all type of leave cases, joining reports, reliving reports, processing of Bills of staff and vendors, Some matters of Convocations, arrangements of local purchase committee meeting 5 meeting were conducting during this period. Receiving of all kinds of stationary items from the Main Store at various times this practice repeated and got received by the sections concerned, other materials which are purchase from the local market through vendors be reserved many times for maintain little stocks for emergency use. Preparation of all kinds of reports as and when required, all matters relating to engineering branch, receiving of blank result cards from the Press after proper counting by the deputed person. In short, this section provides technical and non-technical support to all the sections working under Controller of Examinations.

B.A/B.Sc / L.L.B Section (Computer Inquiry)

This section dealt with the complaints of the candidates relating B.A/B.Sc. & L.L.B, examinations 9796 cases of B.A/B.Sc & 1124 cases of L.L.B were received and processed. Later on the L.L.B Section was shifted to B.Com Section.

B.Com Hall/Computer Section

The result of B.Com Part-I & Part-II Annual Examination, 2015 were declared. Result Cards were dispatched accordingly. 35884 candidates were appeared in Part-I and 32703 candidates were appeared in Part-II examination. R.L. Cases were also cleared within very short period of time. The result of B.Com Part-I & Part-II supplementary Examinations, 2015 were declared. Result Cards were issued accordingly. 14080 candidates were appeared in Part-I and 14858 candidates were appeared in Part-II examination. R.L. Cases were also cleared within very short period of time.

M.A. /M.Sc. HALL/ COMPUTER

The result of M.A./M.Sc. Part-I & Part-II Annual Examination, 2014 held in June/July 2014 were declared. Result Cards were dispatched 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 Examinations, 2014 were declared. 9754 candidates were appeared in Part-I Supplementary Examination 2014 and 10219 candidates were appeared in Supplementary



Examination 2014 Part-II. The result of M.A./M.Sc. Part-I & Part-II Annual Examination, 2015 held in June/July 2015 were declared. Result Cards were issued accordingly. 62412 candidates were appeared in Part-I Annual Examination 2015 and 39800 candidates were appeared in Part-II Annual Examination 2015. R.L. Cases were also cleared within very short period of time.

Forms Section

This section deals with the work relating to the printing, issuing and processing of the Admission Forms of all the examinations, which are conducted by the University.

This Section performed following work pertaining to the Admission Forms during the period 2014-15.

1. 3,15,000 Admission Forms of various examinations were got prepared by the University Press.
2. Admission Forms were sent to different branches of Habib Bank Limited, as well as to the college concerned, according to their demands.
3. Admission Forms of different Examinations were issued to the candidates by hand free of cost.
4. About 4,75,000 Admissions Forms of different examinations were received from the candidates individually, by hand, by post and from the colleges.
5. After checking, the Admissions Forms were entered in the relevant registers to maintain proper record and thereafter arranged category-wise.
6. After having affixed serial number on the Admission Forms of each examination, these were delivered to the Sections Concerned/Computer Section according to the Schedule.
7. Incomplete Admission Forms of the candidates of each examination which are received by post were returned to them.
8. 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 149 Writ Petitions/Appeals/Civil Suits/Civil Appeals/Civil Org./I.C.A. & C.P.L.A., which were filed against the University of the Punjab and were defended in the Civil District Courts/High Courts/Supreme Courts of Pakistan during the period from 1-10-14 to 30-9-15. 102 Writ Petitions have been decided and the remaining is still pending in the above-mentioned Courts of Law. Similarly, 51 complaints were received from the office of the Provincial Ombudsman out of which 43 cases have been decided and the decisions of remaining complaints are still awaited from the Provincial Ombudsman.

Awards Section

The Awards Section of the Examinations Department deals with the important and confidential work relating to the processing of Award Lists of all the Examinations, which are being conducted by the Punjab University.

In 2014-15, the sealed envelopes containing total No. 11412 of Award Lists were received from the Examiners of the various Examinations. These Awards Lists were checked /entered and delivered to the Section Incharge of the Computerized and manual Result Sections for compilation of Results.



Moreover, letter and reminders were sent to the Examiners concerned who did not send the Award Lists in time and discrepancies were also got removed from the Examiners concerned by getting themselves informed through letters/reminders and by telephonic conversation as well. The Result Positions of all the Examinations were prepared for submitting to the authorities as and when required. Thus, all Results were declared in time.

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, 1925 cases of M.A./M.Sc. were received and processed; only 7 cases are under process up till now. 2018 cases of B.Com./B.S. Hons. /B.Ed/M.B.B.S. & all professional Examinations were received and processed, 11 cases 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. 10900 inquiries letters were received by post & 7446 were received by hand all these handed over to the concerned Sections.

B.S/ Professional (Computer Section)

This section dealt with the results of all the Professional Computerized examinations. During the stipulated period 42 different professional examinations were conducted for 14136 candidates.

Total 59 results were declared, 15312 candidates were declared pass.

Professional Hall

This Section dealt with all the Professional Examination running under Semester and Annual System. 118 results of Undergraduate programs and 3591 candidates were appeared. 121 results of Master degree programs and 4650 candidates were appeared, 74 results of MS/M.Phil and 917 candidates were appeared. The results of 198 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 124th Annual Convocation, wherein 1298 candidates were decided to be invited and officer also got prepared Medals from Pakistan Mint to be awarded to the top students.

Professional (Computer Section)

This section dealt with results of B.Ed and all Professional computerized examinations. During the stipulated period 75 different examinations were conducted for 14904 candidates. Total 66 results were declared, 10762 candidates were declared pass.

DEPARTMENT OF PRESS & PUBLICATIONS

Telephone (s): **99232160, 35952970**

E-Mail Address (s): press@pu.edu.pk, puppress@gmail.com

- **Academic Achievements**

Several workshops were arranged for the students of College of Arts & Design for their practical requirements and knowledge regarding Pre-press, Printing material & Graphic Arts.

- **R&D-An Overview**

The Department of Press & Publications is striving to provide quality printing and publication services to the University of the Punjab at subsidized rates. However, due to this cost reduction in Press services the workload of the Department of Press & Publications has increased considerably. All types of printing material concerning the Secrecy & Conduct Branch like Answer Books, Continuation Sheets, Practical Answer Books for (B.A./B.Sc.,



M.A./M.Sc.) exams, different Admission Forms, syllabus and material about professional examinations were printed here. The most important task of Press is the printing of examination materials for conducting the exams well in time and providing all the regarding materials for about 300,000 students. The Department of Press & Publications has also been assigned the printing of confidential document i.e. Degrees, Certificates, Result Cards, Result Sheets and Registers of various kinds.

Publications/ Printings

The Department of Press & Publications has under taken the jobs during the year October 2014 to September 2015 are as following.

Sr. #	Departments	Description	Numberings
1.	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, Zoology, GIS Centre, Law College, Jhelum Campus & Hailey College of Banking & Finance.	Answer Books	28,63,500
2.	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, Mathematics & Undergraduate Studies.	Extra Sheets	2,55,500
3.	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, College of Information Tech, Centre For High Energy Physics.	Degree / Diploma/ Certificates/ Transcripts	75797
4.	Institute of Education Research	Result Cards	800



5.	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	790200
6.	Human Resource Section, Statue section, Planning & Development Cell, Academic Branch,	Title/ Gazette/ Report, Report/ Report Agenda/ Annual Progress Project	720
7.	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, Space Science, Coal Tech, Chemistry, Urdu, School of Biological Sc. Special Edu & Textile Engineering.	Prospectuses	157530
8.	Various Officers/ Teaching Staff of Punjab University	Visiting Cards	75180
9.	Islamic Studies, Philosophy, Chemical Engineering & Technology, Applied Psychology, Urdu, Archeology, Political Science, College of Statistical & Actuarial Sciences, Mathematics, Zoology, Sheikh Zayyed Islamic Centre, Laboratory School IER, English, Geography, Hailey College of Commerce, Persian, Sargodha University,	Journals	21665



	Economics, Institute of Communication Studies, Arabic, Punjabi, Management Sciences, Oriental College.		
10.	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), Hajvery Chair, CHEP. French, Hameed Nizami Chair	Books	61320
11.	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, Islamic Studies & Department of Management Sciences.	Envelopes	321000
12.	Institute of Applied Psychology, Social & Cultural Studies, Institute of Communication Studies, English, French, ASA	News Letters	2950
13.	Health Centre, Academic Staff Association, Chemistry, Punjab University Library, Department of Examinations.	Posters, Stickers & Hall map	8900
14.	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, IQTM, Applied Psychology.	Brochures, Pamphlet & booklet	22700
15.	Office of Vice Chancellor, Punjab University College of Information Technology, Social & Cultural Studies	Fact Books	2300



16.	Governor, Vice Chancellor for convocation	Speeches	33,000
17.	Registration Branch, IER	Registration Cards	264400
18.	Deputy Registrar General	Receipts, Slips, Ballot Paper	2989
19.	Resident Officer – I	Tickets, Security stickers	14200
20.	Main Store, Accounts branch, Hostel #7 & 11	Registers for various kinds	3570
21.	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, Management Sciences & PUCIT.	Letter Pads	115300
22.	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, Geology & CHEP	Files Covers	43600
23.	Department of Examinations, Deputy Registrar (General), Chemistry, Law & applied psychology.	Programs Cards	3050
24.	Office of Vice Chancellor, Deputy Registrar (General)	Convocation Cards, Season cards	17430
25.	Institute of Administrative Sciences	Certificates	70,460
26.	Office of Vice Chancellor, Hostel # 11 & PU Health Centre.	Complementary Cards, Visitors Slips, Permission slips	7200
27.	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.	Students Card, Class Cards, Library Cards, Book Pockets Bill books & Teacher Cards.	69710



28.	For Vice Chancellor Office	Executive Diaries, Small Diary, Day Planner, Bags	14050
29.	College of Art & Design, Deputy Registrar (General), Hailey College of Commerce, Law College, Office of Research Innovation & Commercialization, History, Pharmacy.	Invitation Cards	10,640
30.	Planning & Development Cell, Hailey College of Banking and Finance.	Directory all type	1,900
31.	Vice Chancellor Office, Statue Section, Hailey College of Banking and Finance.	Wall calendar, Pocket calendar, University Calendar, Ramzan Calendar	20100
32.	Account Branch, Hailey College of Banking and Finance.	Budget copies	450
33.	Advisor to VC, Oriental College, Pharmacy, Space Science, Law College.	Magazine	9775
34.	College of Art & Design, Hailey College of Banking and Finance.	Catalog book	4100
35.	Applied Psychology, History, South Asian Studies, Chemistry.	Abstracts	3140
36.	Hailey College of Banking and Finance.	Entry test Roll slips	7650
37.	Punjab University Employees Housing Scheme	Allotment Letters	4000

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 2014-15 was another year full of challenges, which the university is facing in the recent years. As the administration had adopted the policy of promotion of research culture and ensuring peaceful academic environment on campus, the elements which always oppose the wise measures taken by the administration just for the sake of opposition provide wrong information to the media outlets. 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. On many occasions, the department has also ensured stoppage of publication of baseless news items against the university. Moreover, broader electronic media coverage of various mega events held at PU was ensured.

The details of main activities of the PU PR Department during the year 2014-15, are given, as under:

Press Releases

Broader press coverage of seminars, conferences, workshops, festivals, co-curricular activities, sports, achievements of faculty members is one of the main objectives of the



PR department. All such happenings were broadly covered by the Press. Over 730 press releases with a lot of pictures were published in newspapers this year. The department also highlighted the research work and achievements of university scholars.

Press Conferences

Successful press conferences on every critical issue were arranged to clear baseless allegations and bring facts to the people through media.

Columns / Articles / Features

For presenting positive image of Punjab University in print media, many columns, articles and features were published. The department also hosted several luncheons and dinners with renowned senior journalists.

PU Advertisements

PU's Public Relations Department strengthened its ties with Director General Public Relations' office further. The publication process of our tender, vacancy and special advertisements had been smooth throughout the year.

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

1. Establishment of video monitoring and video editing unit.

DIRECTORATE OF EXTERNAL LINKAGES

OVERVIEW:

Collaborations have been signed with national and international universities in Bangladesh, Canada, Egypt, Germany, Iran, Japan, Malaysia, New Zealand, Norway, Russian, Saudi Arabia, Scotland, South Korea, Sweden, Turkey, UK, USA and Zimbabwe.

In addition, collaborations have also been established with the Embassies and Consulates of Spain, Iran & USA.

The Directorate also assists with visas for foreign delegates as well as for those faculty members travelling abroad to pursue a PhD degree or for a conference.

EXPERTS Scholarships

Directorate of External Linkages is also coordinating the Experts4Asian & Experts Sustain projects. It is a joint degree program launched by European Union and University of the Punjab is a permanent member of Experts. Our faculty and students are shining by acquiring international vision and knowledge by getting benefit through exchange program and availing this opportunity as this is a fully funded scholarship on short term and long term admissions in EU universities.

**1. MOUS NATIONAL/INTERNATIONAL October 2014 – September 2015****1.1) MOUs Signed between PU & INTERNATIONAL INSTITUTIONS**

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab, Lahore	Arizona State University (USA)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Arizona state University</u> Mark Searle University Provost, ASU	Aug. 20, 2015
2	University of the Punjab, Lahore	Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, china	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Institute of High Energy Physics</u> On behalf of	Aug. 06, 2015
3	University of the Punjab, Lahore	Jiangxi University of Science and Technology, China	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Signed for</u> Jiangxi University of Science and Technology	July, 2015
4	University of the Punjab, Lahore	Confucius Institute, Headquarters of China	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor Confucius Institute, Headquarters (HANBAN) XU Lin Chief Executive	Jun. 17, 2015
5	University of the Punjab, Lahore	Yasar University (MoU) Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Yasar University</u> Prof. Dr. M. Cemali Dincer Rector	Jun. 11, 2015
6	University of the Punjab, Lahore	Yasar University (Exchange Agreement), Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Yasar University</u> Prof. Dr. M. Cemali Dincer Rector	Jun. 11, 2015



7	University of the Punjab, Lahore	Nigde University, Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Nigde University</u> Prof. Dr. Adnan GORUR Rector	Jun. 09, 2015
8	University of the Punjab, Lahore	Mevlana Exchange Programme Protocol Nigde University, Turkey	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Nigde University</u> Prof. Dr. Adnan GORUR Rector	Jun. 09, 2015
9	University of the Punjab, Lahore	Mevlana Exchange Programme Protocol Duzce Universitesi	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Rector, Duzce University</u> Prof. Dr. Funda Sivrikaya Serifoglu	May. 14, 2015
10	University of the Punjab, Lahore	Univ. of Social Sciences and Humanities, Poland.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Univ. of Social Sciences</u> On behalf of the Rector	Apr. 30, 2015
11	University of the Punjab, Lahore	Ovidius University of Constanta (UOC) The Research Center on the dialogue between Science and Theology (RCDST)	<u>Director</u> Directorate of External Linkages <u>CEO of RCDST</u> <u>Ovidius University of Constanta, Romania</u>	Mar. 30, 2015
12	University of the Punjab, Lahore	Mevlana Exchange Programme Protocol Canakkale Onsekiz Mart Universitiesi	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Rektor Mart University</u> Prof. Dr. Sedat	Jan. 30, 2015
13	University of the Punjab, Lahore	Jagiellonian University, Krakow, Poland.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Jagiellonian University</u> Prof. Dr. Hab. Bogdan Szlachta	Jan. 12, 2015
14	University of the Punjab, Lahore	Jiangxi University of Science and Technology, China, P.R.C.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor <u>Jiangxi University</u> Prof. Dr. Luo Sihai President	Jan. 21, 2015



15	University of the Punjab, Lahore	National Library of Tajikistan	University of the Punjab Prof. Dr. Mujahid Kamran Vice-Chancellor National Library of Tajikistan Salimov nosir Usupovich Director	Nov. 20, 2014
16	University of the Punjab, Lahore	Tajik National University	University of the Punjab Prof. Dr. Mujahid Kamran Vice-Chancellor Tajik National University Prof. Imomoy Mahmaisuf Saidalievich Rector	Nov. 20, 2014
17	University of the Punjab, Lahore	Tokyo University of Foreign Studies, Japan	University of the Punjab Prof. Dr. Ismat Ullah Zahid Principal, Oriental College Tokyo University of Foreign Studies Prof. Hirotaka Tateishi President	Oct. 10, 2014
18	University of the Punjab, Lahore	Universiti Teknikal Mara SDN. BHD. (UniKL)	University of the Punjab Prof. Dr. Mujahid Kamran Prof. Dr. Muhammad Amin Athar Registrar Prof. Dato' Dr. Mazliham Mohd Su'ud President/Ceo Prof. Dr. Azanam Shah Hashim Deputy President	Oct. 02, 2014

1.2) MOUs Signed between PU & NATIONAL INSTITUTIONS

Sr #	Name of University/ Department	Name of Foreign Institution/Organization Linked with University	Signing Authorities	Date of Signing
1	University of the Punjab, Lahore.	The Hanns Seidel Foundation, Pakistan.	University of the Punjab Prof. Dr. Mujahid Kamran, VC Hanns Seidel Foundation Kristof W. Duwaerts, President	May. 25, 2015
2	University of the Punjab, Lahore.	Centre for Peace and Development Initiatives (CPDI)	University of the Punjab Prof. Dr. Mujahid Kamran CPDI – PAKISTAN Raja Shoaib Akbar	May. 08, 2015



3	College of Earth and Environmental Sciences University of the Punjab, Lahore.	World Wide Fund for Nature – Pakistan (WWF – Pakistan)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Prof. Dr. Firdaus-e-Bareen <u>WWF – Pakistan</u> Mr. Anwar Nasim Hamza malik	May. 08, 2015
4	University of the Punjab, Lahore.	Western Business School (WBS)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran <u>Western Business School (WBS)</u> Mrs. Hamda Tariq	May. 05, 2015
5	Institute of Communication Studies University of the Punjab, Lahore.	Walled City of Lahore Authority (WCLA)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Dr. Muhammad Zakria Zakir <u>Walled City of Lahore Authority</u> Mr. Kamran Lashari Mr. Asif Zaheer	Mar. 19, 2015
6	Institute of Social and Cultural Studies University of the Punjab, Lahore.	Walled City of Lahore Authority (WCLA)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Dr. Muhammad Zakria Zakir <u>Walled City of Lahore Authority</u> Mr. Kamran Lashari Mr. Asif Zaheer	Mar. 19, 2015
7	University of the Punjab, Lahore.	University of Malakand, Pakistan	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran <u>University of Malakand</u> Prof. Dr. Johar Ali	Feb. 24, 2015
8	University of the Punjab, Lahore.	Shaheed Benazir Bhutto University, Sheringal, Dir (Upper) Khyber Pakhtunkhwa (KP) Islamic Republic of Pakistan	Shaheed Benazir Bhutto University, Sheringal, Dir (Upper) Khyber Pakhtunkhwa (KP) Islamic Republic of Pakistan	Feb. 24, 2015
9	Department of Microbiology and Molecular Genetics, University of the Punjab, Lahore.	Prof. Abdul Basit, Baqai Institute of Diabetology and Endocrinology, Baqai Medical University, Karachi.	<u>University of the Punjab</u> Prof. Dr. Anjum Nasim Sabri Ms. Sgababa <u>BIDE, BMU, KHI</u> Dr. Asher Fawwad	Dec. 22, 2014
10	Office of Research Innovation and	Chartered Business & Research Solutions (CBRS)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor	Dec 16, 2014



	Commercialization (ORIC) University of the Punjab Lahore.		Director External Linkages Director (ORIC) & Dr. Rab Nawaz Lodhi (CBRS)		
11	College of Pharmacy University of the Punjab Lahore.	Provincial TB Control Program, Punjab	Dean Pharmacy Prof. Dr. Mobasher Ahmed <u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor PTP manager, Punjab Dr. Abdul Majeed Akhtar	Nov 14, 2014	
12	Dept. of Space Science University of the Punjab Lahore.	M/s Urban Sector Planning and Management Services Unit (Pvt.) Ltd.	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor Dr. Syed Amir Mehmood Chairman, Space Science <u>USPMSU, P&D Department</u> Dr. Nasir Javed, CEO Mr. Fawad Saeed	Oct. 03, 2014	
13	University of the Punjab Lahore.	Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor Maj Gen (R) Ahmed Bilal (H.I) Chairman, (SUPARCO)	Oct. 03, 2014	
14	University of the Punjab Lahore.	Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)	<u>University of the Punjab</u> Prof. Dr. Mujahid Kamran Vice-Chancellor Maj Gen (R) Ahmed Bilal (H.I) Chairman, (SUPARCO)	Oct. 03, 2014	

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 30,000 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, New Campus GIS Centre 8Mbps and 20 Mbps in Jhelum Campus & Gujranwala 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 follows:

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 phones 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 up to 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 2500 users using this facility. With the email services, PU user can also avail following services by Google for data security and accessibility.

- | | |
|--------------------|--------------------------|
| ✓ Google Calendar | ✓ Picasa Web Albums |
| ✓ Drive and Docs | ✓ Google Sync for Mobile |
| ✓ Google Sites | ✓ Talk/Hangouts |
| ✓ Google Books | ✓ 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 Software

- ✓ 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
- ✓ PU Fee Section (Accounts Branch)
- ✓ PU Data Management System
- ✓ PU Payroll Management System

New Developments in Year 2014-15

Development of Payroll System for Accounts Department

Payroll system is the heart of Accounts Department as it manages major expenditure of the University. This software has been developed specifically to manage Payroll processes of the University of the Punjab. It provides good and easy graphical user interface for the users. Following modules of the Payroll System have been developed:



- Management of Users that involves assigning Role-based permissions to users. New user roles can be added with distinct permissions.
- Management of Officials working in the Salary Section
- Management of Scales Chart and Posts. Both Scales and Posts are imported in the system when new financial budget is allocated.
- Management of Employees Data, and Employees' Salary Packages. System supports updating the Salary Package for a single employee as well as group of employees.
- Salary Reports including ECRs, Bills, Bills Checking, Bank Statement, Bank Summary etc.
- Similar Reports (Bills, Bills Checking, Bank Statement, and Bank Summary) for other types of payments like House Requisition, Honorarium, Eid Advance, Arrears etc.
- Manual Entry of Salary and Other Payments
- Generation of various Tax Reports, Deduction Reports and other miscellaneous Reports

Employee Management System (Establishment Branch)

This software is being used by Establishment I Registrar Office. The purpose and main features of this software are:

- Employee's Biographical Information
- Employee's Service Record Management
- Employee's Leave Record Management
- Employee's ACR Management

Reports

- Employee Seniority List
- Employee Qualification List
- PhD, Non-PhD Wise Statistical Report
- Gender Wise Statistical Report
- Designation Wise Statistical Report
- Leave Status Report
- Job Mode (e.g. Professor, Associate Professor etc.) Wise Statistical Report
- And many more.

PU Fee Section (Accounts Branch)

This software is being used by Accounts Branch - Treasurer Office. New Developments in Software for PU Fee Section (Accounts Branch) are:

- New Layout/Design of Application.
- Entry Schedule (Add/Edit/List) to increase accuracy of data entries of all Exam Conducts & Other Fee Incomes.
- New (Single) Form for Private, Regular & Late College with extended features.
- Merging Challans Reports.
- Daily Feeding Report
- Import/Add/Edit/Remove "Due Fees" for each Exam Conduct.
- Missing Due Fee List
- Add Balance Form
- Cancellation of Form
- Import Breakup for Bank Data



Online Registration Portal

Online Registration Form for Private Candidates (<http://registration.pu.edu.pk>)

- Fill in Exam, Personal, Educational information.
- Generate Challan Form and fill in Branch & Deposit Date.
- Do Final Submission.
- Edit Registration to change entered information

Administration Panel for Registration Branch Officials

- Access Control List for different type of users (SuperAdmin, DataEntry, FormReceiving).
- Registration Schedule (create/edit/listing) for each Exam held in PU (e.g. B.A-Annual-2016).
- Applicant's Form Receiving via Barcode Reader (Auto Serial No is generated and assigned to each form).
- Export (in MS Excel format) of Final Submitted + Received Applicants Forms data and Pictures, to be submitted/imported in Examination Software for further process.
- List of Applicants with searching filters.
- Edit Applicant's data.
- Receive Applications.
- Summary of entered Applicants according to their status (1. Entered, 2. Final Submitted, 3. Received, 4. Exported).

Online Form for Enrollment/Renewal of Registered Graduates

Online Form for graduates of any University (<http://gradregister.pu.edu.pk>)

- Enrollment for new Applicants.
- Renewal for Already Enrolled Registered Graduates.
- Fill in Personal Information, Educational Information & Fee Information.

Administration Panel for PU Officials

- Access Control List for different type of users (SuperAdmin, DataEntry, FormReceiving).
- Applicant's Form Receiving via Barcode Reader (Auto Serial No is generated and assigned to each form).
- Export (in MS Excel format) of Final Submitted + Received Applicants Forms data for further process.
- List of Applicants with searching filters.
- Edit Applicants Information
- Summary of entered Applicants according to their status (1. Entered, 3. Received, 4. Exported).

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 centre is providing NSSA (National Student Software Accessibility) Web Portal services with Collaboration of HEC & Microsoft to all Faculty Staff and Students of the



University. The entire Faculty and Students of Punjab University will now be able to get Microsoft software catalog **FREE OF COST** through NSSA Web Portal.

NSSA is a web-based management system which enables 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 2014-2015 (3726)

Licenses distributed to departments

Department	Winows 7	Windows 8.1	Windows 10 Enterprise	MS office 2013	MS Office 2016
PUCIT	500	250	250	200	250
PU Gujranwala Campus	500	250	250	200	250
PU Jhelum Campus	500	250	250	200	250
Department of Geography		40			40
Individual Users			1	4	2
Total	1500	790	751	600	792

8.1: 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 51 departmental Libraries. New features are added in the software e.g. importing data from LOC, Serials addition.

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.

8.2: 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 Cable Local Area Network involving more than 47KM single and multimode fiber optic cable as backbone with more than 7,000+ nodes and more than 30,000 laptops, which provide intranet & internet facility between all existing departments offering E-services like Email/ Internet facilities. Previously deployed 232 VOIP IP phones over both campuses are in operation, and capable of free calls within the Campuses and enabled receiving Calls from external network (Mobile, PTCL, NTC etc).



Internet bandwidth has been gradually increased in last few years up to 670Mbps in Quaid-e-Azam Campus, 150Mbps in Allama Iqbal Campus, New Campus GIS Centre 8Mbps 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.

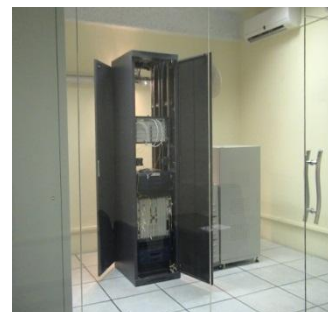
Layer 3 Core (Huawei S7700 Series) and distribution (Huawei S5700 Series) has been installed as the replacement of AT Core and Distribution switches which is capable of enabling more secure and smooth services. Following key features have been achieved by this replacement:

1. The RIP will be replaced with Switched Routing (Inter-VLAN Routing) with better performance due to lower overheads. In this way we are going to use both Switching & Routing design benefits.
2. All Virtual Local Area Network (VLANs) traffic will flow over trunk interface configured between core and distribution.
3. Access Virtual Local Area Network (Access VLANs) and Switch Virtual Interface (SVI) will be configured at core and distribution switches for Routing Purpose.
4. Security feature like ARP Attack, LAN Attack, etc... in will be deployed at both core and distribution switches. In addition access can be block and permit for inside IP subnets using ACL.

Live IP can be assigned at core switch Ethernet interface for management and GRE tunnel translation.

PERN-2

I.T Centre 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 818Mbps bandwidth through PERN-2 Project in Quaid-e-Azam Campus and Allama Iqbal Campus and Jhelum Campus.



Data Centre/ Server Room

University I.T Centre (Quaid-e-Azam Campus) is equipped with the latest network and supporting hardware that includes 2500/3600/3845 Series Cisco Routers, NE20 Router, Core switch, switch blade, high-end layer 3/2 manageable and unmanageable switches, Cisco Pix Firewall 525, IBM Power Series Server in Data Centre, Proxy Servers, Web Servers, FTP Server and a DNS Server with the latest specifications round the clock with advanced level of UPS and power generator.



Wireless Network



IT Centre provided internet facility to the following departments by Wireless connectivity:

1. College of Statistical and Actuarial Sciences New Building
2. Punjab University Colony
3. Department of French in Quaid-i-Azam Campus.
4. GIS Centre (New building near SPARCO)
5. Hailey College of Banking & Finance
6. Oriental College

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

1. I.T. Centre installed Wi-Fi equipment in all Hostels for providing 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 Centre Hostel.
6. Department of Sports and Physical Education
7. College of Statistical and Actuarial Sciences New Building

Achievements & Expansion in Year 2014-15

New Extension Wi-Fi/ Wireless solutions

1. New Building of Department of Textile Engineering & Technology
2. Deputy Registrar Admin –II Wi-Fi
3. Computer lab in Department of English language
4. Department of Arabic
5. Department of Sports Sciences & Physical Education
6. New Building of Department of Information Management.
7. Academic Branch
8. Islamic Centre WI-Fi Routers
9. Institute of Chemistry Dr. Zaib ul Nisa lab
10. Department of Social Work.

New Extension in UTP Cable LAN.

Following new extension in the UTP Cable network/computer Labs has been completed in the current year.

1. Between expenditure section and cheque section
2. Deputy Registrar Admin –II
3. Computer lab in Department of English language
4. Department of Special education networking for printer sharing
5. Expenditure section
6. New Building of Department of Textile Engineering & Technology
7. Shifting of Department of Mathematics



8. Department of Sports Sciences & Physical Education
9. Department of Arabic
10. New Building of Department of Information Management.
11. Academic Branch
12. Institute of Chemistry Dr. Zaib ul Nisa lab
13. H.R Branch
14. Department of Social Work.
15. New Building of Urdu Development Committee
16. Engineering Branch new building
17. Islamic Centre

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.

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.

8.3: 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 has 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 2014-15

Sr. No.	Date	Description (Video Conference)	Facilitated Department	Destination
1	Every Thursday	Video Conference (Class)	Ms Farrukh Bashir (Chemistry)	SBK (Quetta)
2	October,	Nuclear magnetic	MMG	HEC Karachi



Sr. No.	Date	Description (Video Conference)	Facilitated Department	Destination
	2014(1,2,13, 14,15,16,30)	Resonance Spectroscopy		
3	November, 2014 (5,6,13,17)	Nuclear magnetic Resonance Spectroscopy	MMG	HEC Karachi
4	04-02-2015	Video Conference	VC Office	HEC Islamabad
5	23-02-2015	Video Conference	Botany	Australia
6	10-03-2015	Disaster Management & Emergency Response	ISCS	Harvard University
7	19-03-2015	Video Conference	ASA	HEC Islamabad
8	28-03-2015	Video Conference	VC Office	HEC Islamabad
9	23-04-2015	Video Conference	VC Office	HEC Islamabad
10	20-05-2015	Workshop	Applied Psychology	University of ST Andrews
11	27-05-2015	Workshop	Applied Psychology	University of ST Andrews
12	28-05-2015	Video Conference	Botany	Australia
13	5-06-2015	Qualitative Research Method	Applied Psychology	UCL, UK
14	23-06-2015	Group Discussion Pertaining to Research Project on Health	ISCS	World Health Organization (WHO)
15	04-08-2015	Video Conference	VC Office	HEC Islamabad
16	06-08-2015	Video Conference	Botany	Australia
17	14-08-2015	Talk Session by Dr.Atta-Ur-Rehman	VC Office	HEC Islamabad

8.4: 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)

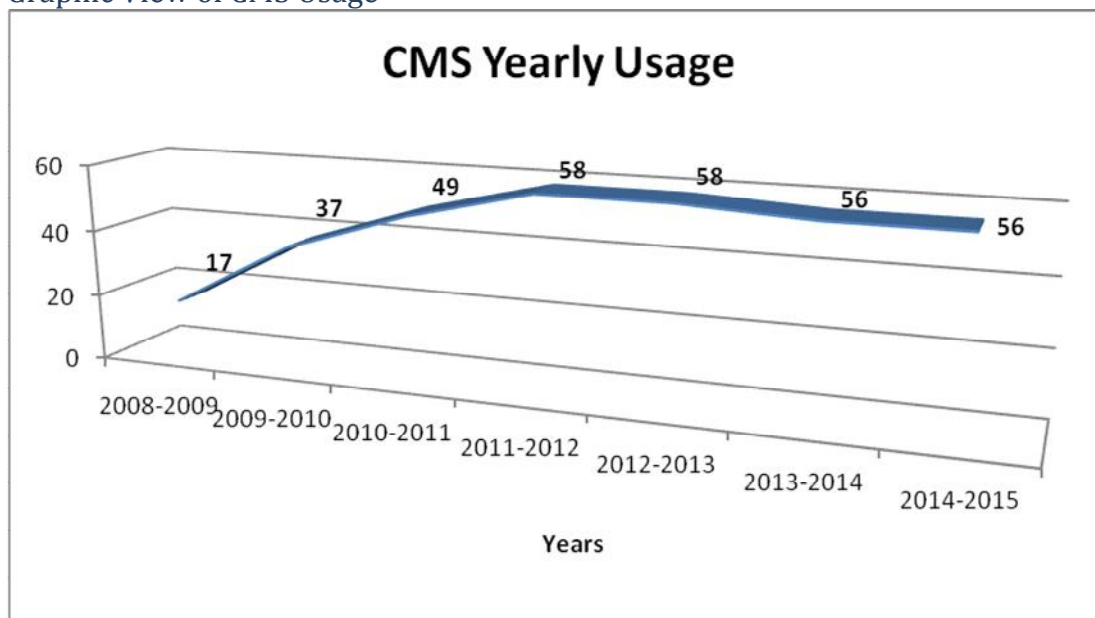
Trainings

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 2014-15

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. The decrease in overall usage is due to addition of some new departments in CMS from Jhelum Campus.

Graphic View of CMS Usage



Queries Entertained

Last year about 132 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 2014	2	2	1	0	0	0
Nov 2014	4	4	1	0	3	0
Dec 2014	5	5	2	1	2	0
Jan 2015	9	9	0	1	8	0
Feb 2015	8	8	0	1	7	0
Mar 2015	30	30	12	2	16	0
Apr 2015	24	24	3	7	14	0
May 2015	15	13	2	1	10	2
Jun 2015	16	15	2	5	8	1
Jul 2015	10	10	0	1	9	0
Aug 2015	7	7	0	2	5	0
Sep 2015	2	2	2	0	0	0
Total	132	129	25	21	82	3

8.5: 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 **18,000 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 2014-15

PU Website New Design

Designing and development of new website of University of the Punjab is in process.
<http://results.pu.edu.pk>

PU academic Staff Association (ASA)

Design and developed website for PU academic Staff Association (ASA). <http://asapu.com.pk/>

Website Ranking

Punjab University has secured 15th position in South Asia, which is a landmark achievement while it has topped among all Pakistani universities, according to Webometrics (Ranking of World Universities) a research group belonging to the Consejo Superior de Investigaciones Científicas (CSIC), the largest public research body in Spain.

International Conference on Information Management & Libraries

Design and developed conference website for department of Information Management.

Broad Cast Live Event

Successfully broadcast live event i.e. (Convocation 2015)

Pakistan Journal of Information Management and Libraries

Designed and developed a new layout of Pakistan Journal of Information Management and Libraries for department of Information managements.

MAINTENANCES ACTIVITIES

Support Section

Support Section, IT Centre Punjab University provides support and maintenance of all network communication infrastructure required to sustain the IT activities within University premises both Old 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 2014-15

- Maintenance of UPS's installed in different departments with network switches.
- Coordinate with network section during the deployment of new IT equipment.
- Maintenance of Video Conferencing equipment including hardware and software.
- Design and estimate different departments Local Area Network (LAN).
- Extend Wi-Fi coverage in hostels and departments.

Under the supervision of support section, following seminars and conferences were held successfully during (2014-2015)

1. National Conference (Pakistan Studies Centre)



2. BA/BSc Annual Result Prize Distribution Ceremony
3. Documentary Film (STC)
4. Program on “ War of 1965 on 8th September “
5. 2nd International Conference on Research in Education
6. First Annual Alumni Reunion
7. Seminar “Evergreen Message of PROPHET MUHAMMAD (PBUH)”
8. Seminar “ Education for Awareness”
9. Seminar "Quality Assurance in Education"
10. Seminar “ Education for Localization”
11. Annual Convocation
12. Annual Book Fair
13. Invention to Innovation Summit

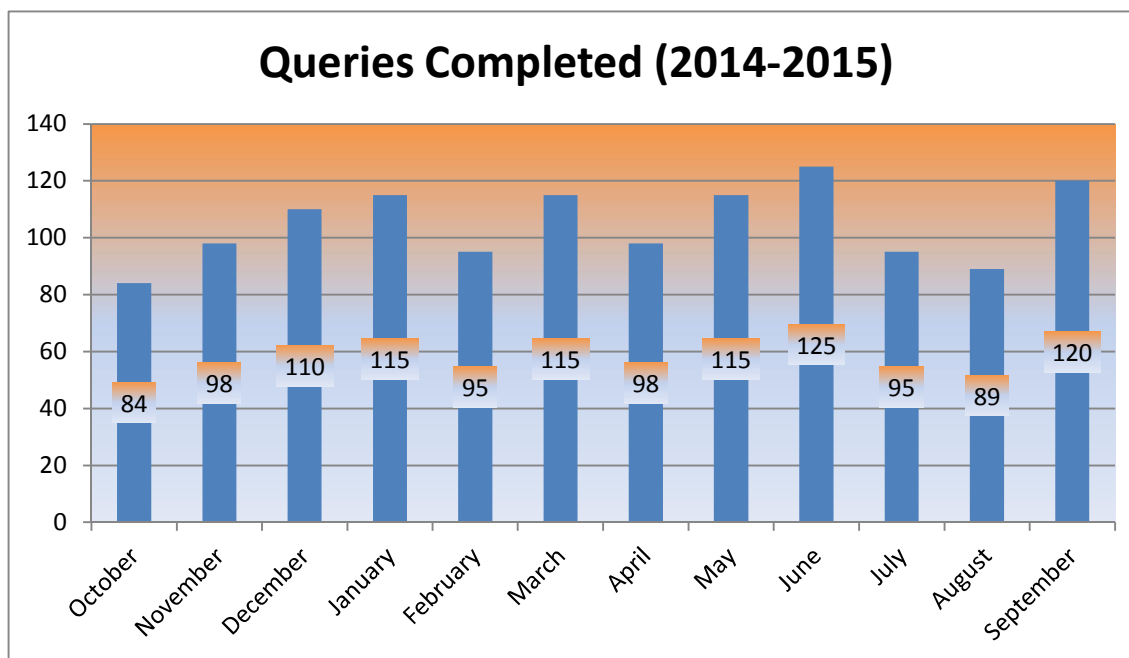
Total Number of Queries Entertained

Detailed Data Sheet

Month	No. of Queries
October 2014	84
November 2014	98
December 2014	110
January 2015	115
February 2015	95
March 2015	115
April 2015	98
May 2015	115
June 2015	125
July 2015	95
August 2015	89
September 2015	120
TOTAL	1259



Graphical View



Hardware Lab.

IT Centre established a Hardware Section for Installation and Troubleshooting of Operating Systems Windows XP, Windows 7, Windows 8, Windows 10, MSOffice 2003, MS office 2007, MS office 2010, MS Office 2016 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. 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 2014-15

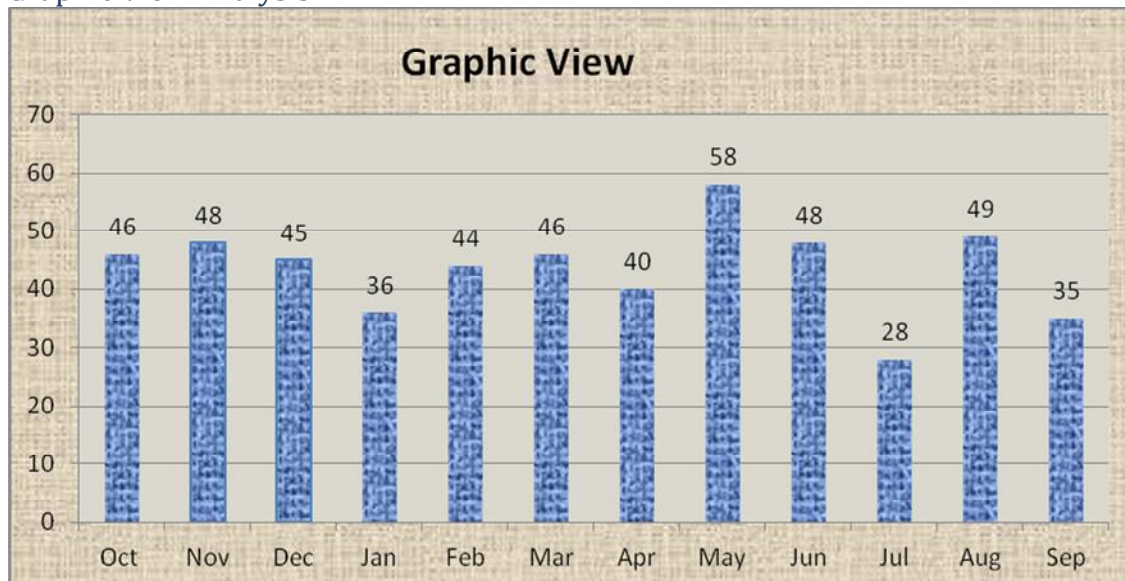
Total Number of Queries Entertained

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 2014-15 (523)



Graphic View Analysis



Detailed Data Sheet

Sr. No.	Month	Attend Calls /Month
01	October ,2014	46
02	November , 2014	48
03	December, 2014	45
04	January ,2015	36
05	February, 2015	44
06	March , 2015	46
07	April,2015	40
08	May,2015	58
09	June,2015	48
10	July,2015	28
11	August,2015	49
12	September,2015	35
	Total	523

LEGAL CELL

The Annual Report regarding the Punjab University cases (other than Examination) which are under trial before various courts of Law.

Civil Courts		Session Courts (Appeals)	
Filed	29	Filed	16
Decided	10	Decided	09
Pending	19	Pending	07



High Court (Writ Petitions)		High Court (Intra Court Appeal)	
Filed	81	Filed	07
Decided	59	Decided	05
Pending	22	Pending	02

High Court (Contempt Petitions)		Supreme Court (CPLA)	
Filed	12	Filed	07
Decided	08	Decided	07
Pending	04	Pending	-

Supreme Court (HR)		Punjab Service Tribunal (Appeals)	
Filed	02	Filed	02
Decided	02	Decided	02
Pending	00	Pending	-

CHIEF ENGINEER OFFICE

S#	NAME OF PROJECT	Current Status
1	Const of research lab at chemistry department at QAC	Complete
2	Construction of Building for Bank at QAC	Complete
3	Construction Of 1 st Floor of the College of Earth & Environmental Sciences at Q.A.C	Complete
4	Construction of Two Bed Residencies for Employees at Q.A.C	Complete
5	Remaining Work of Building Textile Engineering & Technology at Q.A.C	Complete
6	Construction of (First Floor) Block-C of Bio-Stat Department of the College of Statistical and Actuarial Sciences, at Q.A.C	Complete
7	Remaining Work for Construction of 1 st Floor of I.T Building (Phase-II) at Q.A.C. (At Risk & Cost of Contractor)	Complete
8	Construction Inside Verandah of CSAS at Q.A.C	Complete
9	Construction of Two Computer Labs at Administration Block of CSAS at Q.A.C	Complete
10	Renovation of Library, Auditorium, Class Rooms, Main Corridors and Wash Rooms of Law College at Q.A.C	Complete
11	Widening & Re-Carpeting / Allied Works of Different Roads at Q.A.C	Complete



12	Construction of Block Three & Four of J-Type Residences at QAC	Complete
13	Construction of Engineering Branch (PHASE II) at QAC	Complete
14	Construction of Labs Block For School of Biological Sciences Department at QAC	Complete
15	P/F of Porcelain Tiles floor on Corridor at Academic Block at QAC	Complete
16	Installation of 2 Nos Tube wells one Cusec capacity at Resodemtoa; Colony side and Hostel Area i/c Replacement of Distribution of Water Supply Pipes at QAC	Complete
17	Extension of Punjab University main Library at QAC	In Progress
18	Const. of new laboratories of Centre for Coal Tech at QAC	In Progress
19	Const. of cluster class room for Social Science Deptt at QAC	In Progress
20	Construction of Electrical engineering department at QAC	In Progress
21	Construction of Zoological Museum at QAC	In Progress
22	Construction of New Class Rooms and Offices at Sports Science & Physical Education at QAC	In Progress
23	Construction of Two Examination Halls at Firs Floor of IAS at QAC	In Progress
24	Construction of Employees Apartments (J-types) Block H & J at QAC	In Progress
25	Construction of Teacher Two Bed Apartments Block C at QAC	In Progress
26	Construction of Academic Block for PUCIT at AIC	In Progress

PUNJAB UNIVERSITY LIBRARY

Telephone(s): 092-42-99231126, 99230863

Fax Number(s): 092-42-99230892

E-Mail Address(s): chief librarian@pu.edu.pk

Research and Development**2.1 R&D- An verview**

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, 10173 new titles were added, 7, 698 new members get registered, nearly 2, 50,320 library visitors visited the library and almost 36,060 books were issued.

IRC section checked and issued the 1288 plagiarism certificates of M.Phil. & Ph.D. theses of various disciplines and 2534 online journal articles sent to the PU faculty members. A monthly newspaper index has continuously being published for last 12 years successfully from Serials section, while in this period its 60 copies have been published and distributed. Serials section subscribed 57 Foreign and 16 Local Journals, while a total of 18 daily newspapers are being received. 20 PU publications/journals were received in the section. 25 new iron almirahs and 1 file Cabinet were added to manage new books. Moreover 2 office tables and 25 staff and visitor chairs were added in library. During the period approximately 20,645 scans of rare material, newspapers and manuscript have been made at Preservation and Conservation section.

A comprehensive descriptive catalogue of donation of the personal collections of Prof. Muhammad Iqbal Mujaddidi comprising of 206 Rare, contemporary, and unique manuscripts, more than 1000 important Microfilms, Roto- graphs, and Xeroxes of manuscript, 10529 books and 268 titles of research journals/serials were prepared in the oriental section and sent to PU Press for printing.

2.2.1 PROJECTS: continued & completed

- Conversion of Microfilms into Digital Form
- Digitalization of Library Accession Registers
- Installation of RF security chips on the books at UN and Serials section
- Data Entry of UN and Serials section
- Up-gradation in library building (interior exterior decoration)
- Provision of more shelves for rapidly increasing collection.
- Collection development of books and subscription of more scholarly journals.
- Preparation of MARC base version of MLIMS library database.

2.3 PUBLICATIONS:

- Newspaper Index: a monthly publication of newspaper articles. Publisher: Punjab University Library
- A Descriptive Catalogue of Collection of Prof. Muhammad Iqbal Mujaddidi in 2 volumes, compiled by Prof. Muhammad Iqbal Mujaddidi and Hamid Ali Ansari. Publisher: Punjab University Library
- Zakheera Kutab Prof. Muhammad Iqbal Mujaddidi Ki Iftatahi Taqreeb Ki Rodaad, compiled by Syed Jamil Ahmad Rizvi. Publisher: Punjab University Library

2.4 PARTICIPATION IN SEMINARS / CONFERENCES / WORKSHOPS / SYMPOSIA / EXHIBITION ETC

- Mr. Syed Saleem Abbas Zaidi, deputy chief librarian and Mr. Kashif Khurshid, senior librarian participated in 1 day training workshop entitled "Discovering Knowledge Through Ebsco Host Wellsprings" at UMT, Lahore on April 01, 2015



2.5 SEMINARS/ CONFERENCES/ REFRESHER COURSES/ ORGANIZED

EXHIBITIONS:

- Inauguration ceremony of Chinese Corner at UN section and Children Corner at Iranian center on November 13, 2014
- Farewell party upon retirement of Mr. Riffat Mahmood Bajwa, Jr. Clerk and Mr. Mubarak Ali, library attendant in August, 2014
- Organized a walk on World Book and Copyright Day and distribution of Book Lover Award on April 22, 2015
- Visit of delegation of Sikhs on April 25,29-2015
- Visit of Malaysian Education Minister on May 02, 2015
- Condolence reference upon death of Rana Muhammad Yaqub, Dy. Chief Librarian and mother of Kashif Khurshid, Senior Librarian on May 04, 2015.
- Visit of delegation from Japan on May 07, 2015
- Organized 1 day seminar on "Professional Success: Tips and Tricks" in collaboration with Department of Information Management on August 18, 2015
- Study visit of the Participants of Promotion Course for Librarians (Batch-II) from Management and Professional Development Department, Govt. of the Punjab on September 09, 2015
- Visit of various delegations from China, German and India.
- 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 30, 2015
- 288 hours' Internship Program was organized for the students of Department of Information Management, University of the Punjab, Lahore from August 4 to September 30, 2015
- 288 hours' Internship Program was organized for the students of Department of Library and Information Science, University of the Sargodha, Sargodha August 4 to September 30, 2015
- **Faculty Development**
- Mr. Kashif Khurshid, Senior Librarian completed M.Phil in Library and Information Science from University of Sindh, Jamshoro on August 27, 2015 under the title thesis as "A Survey of Electronic Surveillance and Security Systems Installed in HEC Recognized University Libraries of Punjab and Federal Area "
- **Strengthening Physical Infrastructure**
- Upgraded security camera system has been replaced by the old security cameras
- Installation of new shared drive to users.



- Reconfiguration of the Network Servers (DHCP, DNS, Routing, NAT and Proxy Server)
- Troubleshoot, update library computer machines on daily basis.
- **STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE**

DIGITAL LIBRARY:

Preservation and Conservation Section is maintaining a database of Digital Library containing almost 30, 231 e-books, articles and software and the collection is expanding day by day. The database can be accessed from library website and full text books, software and audio visuals can be downloaded. Internet Lab is providing Internet access free of cost.

To provide the wireless internet facility in the reading areas of the library, the Wi-Fi technology has been provided by the unit and nearly 45,720 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.pulibrary.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. 51, 93,712 hits were made by 79, 247 unique visitors in the cited period.

REGISTRATION BRANCH

The Registration Branch is an important department of the Punjab University. The Registration Branch is a backbone for generating revenue through its vital role.

Online Registration

The external students and affiliated colleges submit forms/Registration returns for registration/enrollment of the admitted students. These were submitted through conventional hand written forms. The branch has taken initiative to use the modern technology to facilitate all the stake holders.

Online registration has been started successfully w.e.f the current session which will help to minimize the chances of mistakes during composing, reduce the work load and for speedy processing.

The branch is carrying out a lot of jobs successfully. Out of which the majors are given below:

- To issue admission schedules for admission in all disciplines to affiliated colleges.
- To receive the Registration returns from affiliated colleges and to issue the Registration cards.
- To enroll the students of M.A/M.Sc, LL.B and other disciplines.
- To register the students giving Overseas examination.
- To issue No Objection Certificates.
- To issue Migration Certificates from college to college.
- To process the cases of age relaxation.



- To process the cases of Change in Name.
 - Correction in Particulars of the students.
 - Issuance of Duplicate Cards.
 - To process the cases of Session Gap.
 - To hold the University Convocation.
 - To hold the Elections of various bodies of Punjab University.
 - To attest the Educational documents for study Abroad.
 - To process the cases of foreign verification.
 - Registration of Private (External) Candidates for B.A/B.Sc, M.A/M.Sc, B.Com and B.Ed Examinations.
 - To clear the queries raised by the Examinations department.
 - Coordination with other Sections, such as Affiliation, Examinations and Accounts Branch etc.
 - To perform the duties assigned by the University authorities from time to time.
- **Issuance of Admission Schedules**

The Registration Branch is liable to issue the admission schedule to all the affiliated colleges for admission in various disciplines after declaration of results of the terminal/required exams. The admission schedule issued in August/September, 2014 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., MIT, Pharm D, M.Com, MLT, BSc Nursing and different diplomas etc.
 - **Registration Returns**

The Registration Branch received the Registration returns from various affiliated colleges. These returns were processed/evaluated and examined by the concerned staff and was referred to the Computer Section to issue Registration Cards. During the period mentioned above more than 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.
 - **Issuance of No Objection Certificates**

Besides the Registration, Enrollment of the students, the major job of this branch is issue No Objection Certificates to those students who were registered with University of the Punjab and desires to continue their studies in any other university. During the period mentioned above, the 26365 migration certificates issued to the students to proceed for Education in other Universities.
 - **Processing of College to College Migration**

Registration Branch issued 110 College to College migration certificates to the students from one affiliated college to the other.
 - **Processing of age relaxation cases.**

The Registration Branch is extending its useful services to the students who became over age for their admissions. The age relaxation certificates/letters issued to all such students during the year 2014-2015. 150 age relaxation letters/certificates were issued.
 - **Change in Name**



This branch also deals with the change of Name, Father's Name cases. The candidates getting the decree from court of law for applying to change their name. After processing the cases more than 381 letters of change in name were issued, during the year 2014-2015.

- **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 3000 cases of correction 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 3500 Duplicate Registration Cards were issued.

- **Session Gap**

Session gap is allowed to candidates seeking Regular Admission as prescribed in the rules. This branch issues the age relaxation letter to such students who are eligible under the rules. During the year more than 507 letters were issued.

- **University Convocation**

Convocation is the major event of the Punjab University. This branch paid a very important role to hold the Convocation. The 123rd and 124th Convocations of the Punjab University were held on 10th October 2015 and 19th December 2015 simultaneously. 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 1180 cases during the year 2014-2015.

- **Cases of foreign verification**

There is a Credential Verification Cell in the branch. Cases are received from International Universities and Educational Institutions on daily basis. This branch is processing such cases carefully. Registration Branch processed 394 cases of verification during the year 2014-2015.

- **Coordination with other sections**

All the branches of the university work in collaboration with each other. This branch coordinates with Accounts, Examinations and Affiliation Branches for various issues.

- **Registration of Expatriate Pakistani Citizens**

Punjab University Registration Branch also registered the overseas students taking examinations in various countries like K.S.A., Dubai etc. During the year this branch registered more than 309 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 and affiliated colleges in various disciplines during the year 2014-2015. 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 Enrollment for different disciplines.

- **Registration of Private (External) Students.**

Registration Branch has registered the private (external) students for the following examinations.

1. B.A/B.Sc

Registration Branch registered 40000 candidates for B.A/B.Sc Examination in 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

2. B.Com

Registration Branch registered 8623 candidates for B.Com Examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

3. B.Ed

Registration Branch registered 339 candidates for B.Ed Examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

4. M.A/M.Sc

Registration Branch registered 5294 candidates for M.A/M.Sc Examination 2016. The Branch received the Registration Forms and after evaluating these forms issued the Registration Cards.

The detail of Registered Students is as under:-

○ **REGISTERED SUMMARY FOR THE SESSION A14-15**

Degree	Exam	Total
ADCP	ADCP	5
B-ARCH	B-ARCH	31
B.COM	B.COM	19389
B.COM(HON)	B.COM(HON)	761
BA	BA	27598
BALLB	BALLB	56
BBA-BFH	BBA-BFH	82
BBA-H	BBA-H	553
BBA-IRH	BBA-IRH	75
BBIT	BBIT	130
BCS	BCS	3
BED-HON-EL	BED-HON-EL	66
BED-TECH	BED-TECH	28
Bed	Bed	30
BFA-G	BFA-G	59
BFA-P	BFA-P	42
BFA-T	BFA-T	19



BS-CS	BS-CS	339
BS-HON4	BS-HON4	3242
BS-HPE	BS-HPE	48
BS-ISL	BS-ISL	130
BS-IT	BS-IT	106
BS-ST5	BS-ST5	63
BSC	BSC	15992
BSC-APG	BSC-APG	110
BSC-CE	BSC-CE	32
BSC-EENG	BSC-EENG	62
BSC-ENGG	BSC-ENGG	158
BSC-HECO	BSC-HECO	510
BSC-HONS	BSC-HONS	538
BSC-IEM	BSC-IEM	40
BSC-MLT	BSC-MLT	69
BSC-MME	BSC-MME	86
BSEd	BSEd	64
BSFYDP-PSY	BSFYDP-PSY	86
BSH-BOT	BSH-BOT	25
BSH-CP	BSH-CP	73
BSH-MS	BSH-MS	162
BSH-MTH	BSH-MTH	37
BSHON-HECO	BSHON-HECO	80
DA	DA	1
DCG	DCG	6
CDH	CDH	4
DDR	DDR	11
BELT	BELT	10
DGD	DGD	23
DGO	DGO	2
DGR	DGR	4
DIA	DIA	1
DIAR	DIAR	10
DIC	DIC	9
DIG	DIG	22
DIH	DIH	1
DIIL	DIIL	3
DIL	DIL	8
DIR	DIR	3



DIS	DIS	1
DIT	DIT	1
DLO	DLO	1
DLTN	DLTN	2
DMRD	DMRD	1
DPE	DPE	33
DPH	DPH	4
DPN	DPN	6
DSP	DSP	5
DTD	DTD	48
LL.B	LL.B	1175
MA-AR	MA-AR	3
MA-DSS	MA-DSS	11
MA-EDI	MA-EDI	3
MA-EEC	MA-EEC	4
MA-ELL	MA-ELL	3
MA-ENG	MA-ENG	4
MA-HRM	MA-HRM	12
MA-HST	MA-HST	9
MA-INR	MA-INR	7
MA-ISL	MA-ISL	8
MA-KSH	MA-KSH	2
MA-MSC	MA-MSC	454
MA-MUS	MA-MUS	2
MA-PAK	MA-PAK	8
MA-PB	MA-PB	2
MA-PER	MA-PER	3
MA-PHL	MA-PHL	3
MA-PNT	MA-PNT	11
MA-PSC	MA-PSC	7
MA-SEC	MA-SEC	1
MA-SED	MA-SED	11
MA-UR	MA-UR	12
MBA	MBA	13
Master of Business Administration	Master of Business Administration	0
MBA-BF	MBA-BF	15
MBA-IR	MBA-IR	12
MBBS	MBBS	389



MBE	MBE	4
MBECO	MBECO	2
MCOM	MCOM	46
Master of Commerce	Master of Commerce	0
MD	MD	8
MED-SEC	MED-SEC	2
MED-VI	MED-VI	4
Med	Med	5
M.Phil	M.Phil	0
MPHIL	MPHIL	235
MS	MS	14
MS-BOT	MS-BOT	3
MS-CPS	MS-CPS	6
MS-MMG	MS-MMG	10
MS-NAN	MS-NAN	6
MSC-AGR-FT	MSC-AGR-FT	23
MSC-APP	MSC-APP	20
MSC-AS	MSC-AS	6
MSC-BCH	MSC-BCH	7
MSC-BOT	MSC-BOT	12
MSWC-BSM	MSWC-BSM	3
MSC-BSTAT	MSC-BSTAT	3
MSC-CHM	MSC-CHM	64
MSC-COAL	MSC-COAL	2
MSC-CP	MSC-CP	22
MSC-JR	MSC-JR	3
MSC-ECO	MSC-ECO	22
MSC-FTP	MSC-FTP	3
MSC-GEO	MSC-GEO	17
MSC-GST	MSC-GST	8
MSC-IOM	MSC-IOM	9
MSC-IT	MSC-IT	25
Master of Science in Information Technology	Master of Science in Information Technology	0
MSC-MCW	MSC-MCW	2
MSC-MMG	MSC-MMG	5
MSC-MTM	MSC-MTM	82
MSC-PED	MSC-PED	21
MSC-PHY	MSC-PHY	34



MSC-QPM	MSC-QPM	2
MSC-SSC	MSC-SSC	3
MSC-STS	MSC-STS	7
MSC-SWK	MSC-SWK	7
MSC-THM	MSC-THM	5
MSC-ZOL	MSC-ZOL	27
MTE	MTE	1
PGD-AE	PGD-AE	5
PGD-ID	PGD-ID	11
PGD-QMT	PGD-QMT	4
PGDD	PGDD	1
Post Graduate Diploma in Dietetics	Post Graduate Diploma in Dietetics	0
PHARM-D	PHARM-D	355
PHD	PHD	46
TOTAL REGISTRATION		74595

○ **Private Registered Summary for the Session A2015**

Degree	Exam	Total
B.COM	B.COM	8623
BA	BA	37632
Bed	Bed	339
BSC	BSC	2316
MA-MSC	MA-MSC	5294
Total Registration		54204

RESIDENT OFFICER-I

SECURITY, HOUSE ALLOTMENT, TRANSPORT, SHOPS AND KHOKHAS:-

SECURITY:

The security system of the Punjab University has improved manifold to conduct a thorough security evaluation. In order to improve the security arrangements, the University of the Punjab has taken immediate security steps/measures which are as under:

- Holding of Security meetings regularly.
- Approaching CCPO, Commissioner, SP, Iqbal Town, DSP, Muslim Town Circle, SHO, Police Station Muslim Town in connection with security measures.
- Immediate procurement of more Guns, CCTV Cameras, motorbikes and vehicles for patrolling.
- Nine walk through gates has been purchased and placed at the prominent places of University.



- 46 Metal Detectors have been purchased to improve the security of Punjab University.
- Repair of Boundary Wall.
- Checking of trespassing by unauthorized persons.
- Verification/clearance of faculty members, employees, security staff, and the shopkeepers alongwith their employees from Special Branch.
- Preparation of list of labourers, canteen employees, private contractors and its servants at Punjab University.
- Keeping watch on hostels by all concerned.
- Training of security guards from Police Department.
- Security guards perform the duties round the clock in three shifts.
- In order to upgrade the security arrangements, the following weapons were purchased:

1. Rifle .223	20 Nos.
2. Pistol .9 MM	10 Nos.
3. Pump Action	21 Nos.
- The security staff deputed at University Gates are strictly instructed to check all the vehicles thoroughly with bottom mirror view and also to check the visitors through metal detectors at all the entry points.
- In order to stop the entry of illegal vehicles in the University Campuses, stickers are being issued to all the vehicles of University faculty, students and employees who visit the University on regular basis. Without sticker, no vehicle is allowed to enter in the University premises.
- 14 motorcycles have been provided to the security staff for Mobile squad duties which have further strengthened the security arrangements. The Mobile Squad is also instructed to be more vigilant.
- The Quick Response Force has also been arranged and two new vehicles have been purchased and provided to the security wing in order to meet any emergency.
- Emergency lights have been installed at the main entry points of Punjab University to further upgrade the security arrangements.
- Torch (Search Lights) has also been provided to the security guards.
- The faculty members, students and employees are also instructed to wear the I.D. Cards during office hours.
- Concrete barriers (Zig Zag) are erected at entry/exit Gates.



- 800 CCTV Cameras have been installed at entry Gates and prominent points of University and the process for installation of more CCTV cameras is under progress.
- A Security Control Room has been established for proper monitoring all the CCTV Cameras.
- 16 Vantage points and 16 OP Posts have been constructed around the boundary wall and prominent places of Punjab University and the process for construction of more OP posts and vantage points is under progress.
- The security staff is also provided walkie talkie wireless communication sets for swift discharge of security duties.
- Circulated the phone number to be used for contact in emergency to all departments of Punjab University.
- Security lights are being installed to have clear visibility by security guards.
- Recruitment of more security staff to upgrade the security arrangements.
- New Ladies Security staff has been appointed to ensure the security of female students.

ALLOTMENT OF HOUSES (TEACHING & NON-TEACHING STAFF)

Houses are being allotted to the teaching and Non-teaching staff in the Residential Colony regularly. The survey of the hired/self house of teaching/non-teaching staff in connection house requisition is also being carried out.

The office of Resident Officer-I allotted **94 HOUSES/FLATS/SUITES** to the teaching and non-teaching staff during the year 2014-15.

A number of complaints received from the residents of Punjab University Residential Colony regarding low supply of gas, the undersigned met with SNGPL authorities and after lengthy deliberations, the SNGPL authorities agreed to replace the old pipelines and also to install new meters of all the houses of Punjab University Residential Colony. In this regard, the process for installation of new sui gas meters is under progress.

SHOPS/CYCLE STAND

The Rate and Rent Collector has updated all the record of Shops/Khokhas and Cafeteria and the shops are being allotted on open competition basis.

Recovery of rent of Shops/Cycle stands:

Recovery of Rent of Shops

Rent Collected from October 2013 to September,2014	Rent Collected from October 2014-15
Rs. 63,74,151/-	Rs. 78,03,568
Difference (Surplus)	Rs. 14,29,417

**Recovery of Rent of Shops (Gujranwala Campus)**

Rent Collected (from October 2013 to September,2014)	Rent Collected (from October 2014 to uptill now)
Rs. 13,41,600/-	Rs. 20,18,418/-
Difference (Surplus)	Rs. 6,76,818/-

Recovery of Rent Cycle Stands

Rent Collected (from October 2013 to September,2014)	Rent Collected (from October 2014 to uptill now)
Rs. 21,72,432/-	Rs. 44,50,503/-
Difference (Surplus)	Rs. 22,78,071/-

Grand Total: Rs. 43,84,306/- (Saving in one year)

The booking of suites and barracks are being made to the teachers, students and employees of Punjab University as per their entitlement. Moreover, booking are also extended in off season outside university in order to generate maximum revenue for Punjab University.

TRANSPORT WING

Telephone No (S) : **042-99239401**

Contents : **Transport Wing has fleet of 61 buses.**

During 2014-15 vast improvements can be seen in which expenditure is remained within the budgetary limit whereas Revenue of Transport Wing is increased.

1. Repair & Maintenance of Vehicles

During the year 2014-2015 Transport Wing has performed following activities in repair and maintenance of buses.

a) Major Repair	No. of Buses
i) Engine overhauling	15
ii) Complete body repair & and painting	05
iii) Floor Change	09
iv) Gate Hydraulic Jack	15
b) Minor Repair	No. of Buses
i) Leave spring repair	165
ii) Gear box repair	35
iii) Clutch repair	55
iv) Radiator repair	30
v) Injunction Pump and automizer	30
vi) Seat Poshish and Bus Body repair	16
vii) Minor Dentin & Painting	65

**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	620 Items
Mobil Oil	35drum
Tyres	120Sets
Batteries	50Nos

2. Consumption of Diesel

During 2014-15 expenditure of P.O.L is well controlled instead of increased side routes and bus shuttle service in side of university premises. University buses saved 35,956 Ltr of Rs.3,402,854/-.

3. Revenue Receipt of Transport Wing

Comparatively Transport Wing has increased revenue as follows:

	<u>2013-14</u>	<u>2014-15</u> (amount in Rs.)
Students Regular and Self Supporting Bus Passes	8,93,21,591	10,52,07,496
Employees Bus Passes, Bus Booking and Tickets	98,32,127	79,78,919
Total	9,91,53,718	11,31,86,415

Difference Rs. 1,40,32,697/-

As per above statement significant increase i.e. Rs.14.032(M) is showing efficiency of staff 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:

Sr. No	Budget Head	<u>From</u> Head of Account	<u>To</u> Head of Account (Repair of BusBody)	Re-Appropriated Amount (Rs.)
1	Maintenance of Vehicle	21-03 013001-02	21-03 013001-08	7,00,000



2	Purchase of Tyres	21-03 013001-06	21-03 013001-08	9,50,000
3	Purchase of Batteries	21-03 013001-07	21-03 013001-08	2,00,000
Grand Total		18,50,000		

ESTATE OFFICE

ملک عزیز میں دہشت گردی نے ہر طرف بے چینی اور اتفری کی فضاء پیدا کر دی ہے۔ ہمارا ملک دشمن کی بزدلانہ اور عوام دشمن کاروائیوں سے محفوظ نہیں ہیں۔ زیر تعلیم طلباء طالبات کے لیے علامہ اقبال کیسپس میں ہنگامی بنیادوں پر اقدامات کیے گئے ہیں۔ ان کی تفصیل درج ذیل ہے:

- 1- سیوریٹی نظام کو موثر بنانے کے لیے تین شفٹیں بنائی گئی ہیں۔ ہر شفٹ کی سپروائزی کے لیے شفٹ انچارج ڈیوٹی کے فرائض سرانجام دے رہا ہے۔
- 2- طلباء طالبات کی جان و مال کی حفاظت کے لیے داخلی راستوں پر متعین عملہ کو میٹل ڈیٹیکٹر مہیا کئے گئے ہیں تاکہ کیسپس میں داخل ہونے والے ہر شخص کو چیک کیا جا سکے کہ اس کے پاس کوئی اسلحہ وغیرہ نہ ہو۔ سیوریٹی کا عملہ اس سلسلہ میں اپنے فرائض منصبی انتہائی محنت، لگن اور ذمہ داری سے اپنی جانوں پر کھیل کر ادا کر رہا ہے۔
- 3- علامہ اقبال کیسپس میں واقع شعبہ جات کے داخلی راستوں پر واک تھرو گیٹ لگائے گئے ہیں جس سے آنے والے کی مکمل چیکنگ کی جاتی ہے۔
- 4- علامہ اقبال کیسپس میں واقع شعبہ جات کے داخلی راستوں پر لوہے کے بیرئیر نصب کروائے گئے ہیں اور وہاں پر سیوریٹی کا عملہ متعین کیا گیا ہے تاکہ ہر آنے والی گاڑی کو روک کر چیک کیا جاسکے اور اس کا اندراج رجسٹر پر کر کے پوری جانچ پڑتال کرنے کے بعد شعبہ جات اور بینک میں جانے کی اجازت دی جاتی ہے۔
- 5- غیر قانونی سرگرمیوں میں ملوث ایسے افراد جو یونیورسٹی کے پرائمن ماحول کو خراب کرنے کی کوشش کرتے ہیں۔ ان کے خلاف یونیورسٹی قواعد و ضوابط کے تحت تادیبی کارروائی عمل میں لانے کے علاوہ اگر انتظامیہ مناسب سمجھتی ہے تو ان کے خلاف ایف آئی آر بھی درج کروائی جاتی ہے۔
- 6- سیوریٹی کے عملہ کی الگ شناخت کے لیے ان کو وردی، بوٹ، کیپ اور بیلٹ مہیا کیے گئے ہیں تاکہ نگرانی کے فرائض کو مزید موثر بنایا جاسکے۔
- 7- کیسپس کے اندر لائیننگ کے نظام کو موثر بنانے کے لیے ایس جگہیں جہاں پر پہلے لائٹس کا مناسب انتظام نہ تھا لائٹس لگوانے کا انتظام کیا گیا ہے۔
- 8- علامہ اقبال کیسپس کے ارد گرد بیرونی جنگل کی اونچائی پہلے کم تھی جس کو کوئی بھی شہر پسند پھیلاگ کر یونیورسٹی کے اندر داخل ہو سکتا تھا جو کہ سیوریٹی نقطہ نظر سے درست نہ تھا۔ لہذا جنگل ہٹا کر اس کی جگہ 8 فٹ اونچی اینٹوں کی دیوار بنائی جا رہی ہے اور مزید 2 فٹ جنگلہ اور خاردار تار لگوانے کا کام شروع ہو چکا ہے۔ تاکہ سیوریٹی کو مزید موثر بنایا جاسکے۔

- 9- ایم ٹیلیفون نمبرز کی لسٹ شعبہ جات کو فراہم کی گئی ہے تاکہ کسی ہنگامی صورتحال میں فوری رابطہ کیا جاسکے۔
- 10- علامہ اقبال کیسپس کے مین گیٹس، کیفے ٹیریا اور بینک کے پاس سی سی ٹی وی کیمرے لگوائے گئے ہیں اور ایک کنٹرول روم بنایا گیا ہے جہاں پر ایک بڑی ایل سی ڈی لگوائی گئی ہے تاکہ ہر آنے والے شخص پر کڑی نظر رکھی جاسکے اور طلباء کے جان و مال کو محفوظ بنایا جاسکے۔
- 11- شفٹ انچارج اور مین گیٹس پر موجود سیوریٹی گارڈ کی آپس میں کمیونیکیشن کے لیے 4 عدد وائز لیس سیٹ موجود ہیں تاکہ اگر کوئی گیٹ پر مسئلہ ہو تا ہے تو فوراً گیٹ پر موجود سیوریٹی گارڈ اپنے شفٹ انچارج کو مطلع کر سکے۔

- 12- داخلی راستوں پر اساتذہ، طلبہ و طالبات کی گاڑیوں کی چیکنگ کے لیے بوٹم پورمر ہیں جس سے گاڑیوں کو چیک کیا جاتا ہے کہ کوئی بارودی مواد تو نہیں لگا ہوا۔
- 13- خالد بن ولید ہوٹل کی سیوریٹی کو مزید بہتر بنانے کے لیے انہیں 1 عدد پمپ ایکشن گن اور دو سیوریٹی گارڈ بھی دیئے گئے ہیں جو کہ وینٹیلو ائیٹ پر اسلحہ کے ساتھ



ڈیوٹی سرانجام دیتے ہیں۔

- 14۔ علامہ اقبال کیمپس کی سکیورٹی کو مزید بہتر بنانے کے لیے 1 عدد پمپ ایکشن اور 3 عدد رائل۔ 223 بور اور 1 عدد ہٹل سکیورٹی گارڈز کو مین گیٹ پر اور شفٹ انچارج کو فراہم کئے گئے ہیں تاکہ کسی بھی دہشت گردی کی صورت حال میں استعمال کئے جاسکیں اور وینچ پوائنٹ اور مورچہ جات میں سکیورٹی گارڈ بمعہ اسلحہ ڈیوٹی کرے۔
- 15۔ علامہ اقبال کیمپس میں چھت پر بھی مورچہ جات بنائے گئے ہیں جہاں پولیس کے مسلح گارڈز تعینات کروائے گئے ہیں۔
- 16۔ علامہ اقبال کیمپس کے داخلی راستوں پر ریت کی بور یوں سے وینچ پوائنٹ بنائے گئے ہیں جہاں مسلح سکیورٹی گارڈ متعین کئے گئے ہیں۔
- 17۔ ہنگامی صورت حال میں پولیس کو اطلاع کے لیے پینک بٹن خرید اگیا ہے تاکہ اُس سے پولیس کو فوری اطلاع دی جاسکے۔
- مذکورہ بالا حفاظتی اقدامات کے علاوہ روزانہ نگرانی پر معمول عملہ کی چیکنگ کی جاتی ہے۔ انھیں ضروری ہدایات دی جاتی ہیں اور ایسے افراد جو اپنے فرائض میں غفلت کے مرتکب پائے جاتے ہیں۔ ان کے خلاف یونیورسٹی قواعد و ضوابط کے تحت کارروائی عمل میں لائی جاتی ہے۔
- اللہ تعالیٰ کے فضل و کرم، سکیورٹی کے عملہ کی شب و روز محنت اور اساتذہ کرام کے تعاون سے امن و امان کی مجموعی صورت حال تسلی بخش ہے۔ مالک کائنات سے دُعا ہے کہ وہ ملک عزیز کو ہر قسم کی تخریب کاری اور شر سے محفوظ رکھے۔ (آمین)

RESIDENT OFFICER-II

LAND OFFICE:

This office looks after the landed property at the Quaid-e-Azam Campus. Some facts about the land are given below: -

Total Land	1781 Acres.
Cultivated Land	A - K - M 1037 - 7 - 2
i) Under Self-Cultivation	125 Acres
ii) Lease out Land	A - K - M 912 - 7 - 2

1. LEASE RATE PER ACRE (PER ANNUM), RS:

- a) Tube well irrigated area Rs. 40,000/-
- b) Canal irrigated area Rs. 50,000/-

2. INCOME FROM LEASED OUT LAND RS:

Rs. 3,90,17,285/-



3. SELF-CULTIVATION:

a) Income from Self-Cultivation Land	Rs. 87,97,200/-
b) Expenditure	Rs. 37,81,000/-
c) Saving	Rs. 50,16,200/-

Grand Total **Rs. 4,40,33,485/-**

DEPARTMENT OF MOSQUES

Telephone (s): 0092 42 99231135

Fax Number (s): N/A

Email Address: incharge.mosque@pu.edu.pk

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

Four qualified and experienced teachers have been appointed to teach the admitted students in the Institute of Hifz-e-Quran. Regular classes are being conducted from Monday to Saturday in specific hours. To facilitate the admitted students, additional classes are also held after Maghrib prayer which is helping to enhance the religious academic capability of students. Moreover, students belonging to various departments of the university also attend these classes to learn and improve their reading ability of Holy Quran.

Following fourteen students of the Institute completed Hifz-e-Quran during Oct. 2014 to Sep. 2015.

1. Muhammad Arsalan S/o Muhammad Saeed
2. Haroon Ishfaq S/o Ishfaq Abdul Qayyum
3. Moeen Ahmad S/o Sardar Muhammad
4. Muhammad Farhan Saeed S/o Saeed Ahmad
5. Muhammad Haroon S/o Qari Khalid Mahmood
6. Muhammad Bilal Arshad S/o Arshad Mahmood
7. Muhammad Sohaib Ahmad S/o Ghulam Muhammad
8. Dilawar Khan S/o Safdar Mahmood
9. Hassaan Abdullah S/o Dr. Muhammad Abdullah
10. Abu Bakar S/o Muhammad Siddique
11. Usama Tariq S/o Jalil Tariq
12. Ahmad Jalil S/o Zafar Masood Mufti
13. Rehman Ali S/o Shabbir Ahmad
14. Muhammad Zohaib Akram S/o Muhammad Akram



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 223 male and female students have been studying and 15 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 taraweesh prayer leader and listener were gifted books.

Development Activities:

- To facilitate the students studying at the Institute of Hifz-e-Quran during summer season in scorching heat, the department installed four (04) new air conditioners (ACs) in each classroom having capacity of 1.5 ton each.
- With the increase in electricity load-shedding hours and to facilitate the readers, the department purchased an Uninterrupted Power Supply (UPS) for library of the department.
- Similarly, the department purchased and installed one UPS for E-Block madressa to facilitate the students during load-shedding hours.
- Taking security measures to prevent any untoward incident due to ongoing security conditions in the country, the department purchased and installed five (05) security cameras, DVR and LED in the main mosque of the department.
- Similarly, the department also purchased and installed two (02) cameras each in the Admin Block mosque, Sheikh Zayd Islamic Centre mosque and E-Block mosque staff colony.

Library:

The Library of Mosques Department provided quality services to its users efficiently throughout the year. To provide quality services, as many as 365 books in Urdu, Arabic and English languages, covering areas of Quran, Tafsir, Hadith, Fiqh, Seerat-un-Nabi (PBUH), etc. were purchased from October 2014 to September 2015, besides continuing the subscription of Islamic research journal for the library. The library collection during the said period reached 12215. The users were helped and guided about the use of catalogue for searching their required reading material from the library collection. They were provided books on demands in timely-writing their assignments. They were also provided facility of photocopying their required pages of the book for their assignment purposes. The users were provided congenial reading environment which helped them frequently visit the library on daily basis.



HALL COUNCIL

Telephone Numbers: 99231134, 99230280
Fax Number (s): 99231134
E-mail: hallcouncil@pu.edu.pk

The Hall Council is an important statutory body of the Punjab University. It supervises **28** University Hostels, administrated by **26** Wardens, **28** Superintendents, **One** Chairman Hall Council, **One** Secretary Hall Council **One** Deputy Chairman Boys Hostels, **One** Deputy Chairperson Girls Hostels. In these 28 hostels more than 7,000 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	12
Total Hostel Male and Female	28

Special Checking For Unauthorized Persons

The Hall Council as per the vision of Vice-Chancellor made special efforts to expel illegal occupants and a lot of success has been achieved with the positive cooperation of the Wardens and Superintendents. As a result of surprise visits; illegal persons found were expelled from the hostels at the occasion. The disciplinary action was also taken against the students who had accommodated illegal persons.

Co-Curricular Activities

Every hostel organizes Annual Sports and Annual Dinners for the residents. The Hall Council supervises and provides facilities in the conduct of all such activities. It encourages the students to participate in the sports and other extra curricular activities arranged in the hostels and prizes are awarded to the winning students / teams. The residents of the hostels manage their mess by their own through the mess committees formed under supervision of hostel administration.

Basic Facilities provided by the Hall Council to the Hostels

The basic facilities for accommodation in rooms of the hostels have been provided by the Office of the Hall Council such as furniture, electric fans, geysers, water coolers etc, as per capacity and requirements. In addition, the Hall Council provides all maintenance and repair facilities to the Hostels throughout the year. The necessary items are purchased and provided after the approval of the Special purchase Committee of Hall Council. Medical facilities/Ambulance service is being provided to the residents students round the clock. The services of the University Physicians are also available in the night hours in emergency to the boarders. Hall Council offers complete medical coverage to the residents of the hostels.

Study and Recreation Tours

Many Male and Female students/teachers from other Universities and Colleges of the country visited University of the Punjab as study tours in the year 2014-2015. The Hall Council made all necessary arrangements for their peaceful stay, and provided the facilities to visit the city of Lahore too.

Meetings

Special/routine meetings of Wardens and Superintendents were held to resolve various issues of the Hostel. With unanimous consensus many of the very delicate issues were resolved.



In addition, the meetings of Purchase Committee, ad-hoc Committee were also held for the purpose.

Foreign Students

The rooms have been reserved in boy's hostels and girls hostels for Foreign Students and all the necessary facilities are being provided to them so that they may feel at home in the hostels.

Street & Hostel Lights

With the help of the Engineering Department street light system in the hostels area has been improvised. Water Sanitation conditions around the hostels have also been improved with the help of the office of Resident Officer-II. Special attention has also been paid to increase plantation/greenery and natural beauty all around the hostels area.

Funds Allocated

In addition to the Budget estimate for year 2014-2015, Rs.1,50,000/- was sanctioned to each hostel for repair/maintenance work. The amount has been spent for various maintenance/repair works to provide better facilities to the resident students.

Prospectus

The prospectus of Hall Council with updates was printed and distributed to all Institutes/Centers/Constituent Colleges for allotment of their students in 2014-15.

Arrangements For Security Measurement

After the attack on Army Public School, Peshawar by the terrorists and prevailing presents threats, the Hall Council made the emergent decision regarding the high security measures to be taken for all the hostels and surrounding area. Following arrangements have been made regarding the security measurement.

1. A complete ban has been imposed on entry of non-resident students/general public in the hostel area.
2. A complete ban has been imposed on the traffic shortcuts through the hostel area.
3. A complete ban has been imposed on guests in hostels.
4. The security on entry/exit points of Hostels was doubled by appointing two Chowkidars during each shift of 12 hours instead of one Chowkidar in past.
5. Fresh data of all hostel employees was collected and saved in computers along with their recent snaps.
6. All Chowkidars/sweepers have been directed to wear uniform during duty hours.

Career Counseling & Placement Centre

Telephone (s): +92-42-99230415

Website: [http:// www.pu.edu.pk/ccpc](http://www.pu.edu.pk/ccpc)

1. Seminars and Training workshops recently conducted in different Department of the University of the Punjab.

Name of Institute/College/Department	Topic	Date	Name of Trainer
1. Institute of Business Information Technology	Career in Banking Sector	03.02.2014	Mr. Malik Zahid Bashir (SVP KASB)
2. Institute of Education & Research	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. Hailey College of Commerce	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. Hailey College of Commerce	Career in Banking Sector	16.04.2014	Mr. Malik Zahid Saeed (Additional Session Judge)
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	02.05.2014	Mr. Khalid Saeed (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)
12. Institute of Social & Cultural Studies	Self Disclosure	20.05.2014	Mr. Qasim Ali Shah (Motivational Speaker)
13. Hailey College of Commerce	Interview Skills & How to Write a CV	21.05.2014	Mr. Kamran Saeed (Executive Director Marketing)
14. Hailey College of Commerce	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 Ali Mirza (Motivational Speaker)
17. Institute of Social & Cultural Studies	CV Writing	03.06.2014	Mr. Farhan Shabir (CEO of Innovation Foundation)
18. Hailey College of Commerce	Campus Hiring	06.06.2014	Zameen.Com
19. Institute of Education & Research	Entrepreneurship & Employability Skills	19.06.2014	Mr. Qasim Ali Shah (Motivational Speaker)
20. Career Counseling & Placement Centre	Campus Hiring	20.08.2014	Textile Testing International
21. Career Counseling & Placement Centre	Campus Ambassador	16.10.2014	Teach For Pakistan
22. Department of Information Management	Job Hunting	13.10.2014	Mr. Qasim Ali Shah (Motivational Speaker)
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



2. Three days training workshop on Career Building and Employability Soft Skills was conducted at Hailey College of Commerce, Punjab University on 21st to 23rd May 2015, New Campus, Lahore with the collaboration of Western Business School 48-Gulberg Lahore from 21.05.2015 to 23.05.2015. Dr. Mujhaid Kamran, Vice Chancellor University of the Punjab inaugurated the opening session and shared his vision among the audience. Dr. Abdul Qayyum Ch. Chairman Career Counseling & Placement Centre, University of the Punjab highlighted the services offered at the centre.

3. Career Counseling & Placement Centre

we provided career counseling services to the Punjab University students individually & collectively throughout the year 2014-15 regarding their academic issues, psychological problems, issues related campus life and peer problems etc.

During the annual admission session be placed brochures regarding Career Counseling & Placement Centre at the entire admission help desk put up by the University authorities.

4. Webpage & Facebook

We updated our WebPages for the facilitation of the Punjab University students to keep them informed of our ongoing activities. These WebPages help the students to interact and communicate with us through our email address, ccpc@pu.edu.pk.

We refurbished and reinvigorated our facebook page to reach out to the maximum numbers of students.

We uploaded jobs on daily bases at facebook page for the benefits of the students.

5. CV's Data Bank

We have established online CV's data bank collected from all the departments/institutes/colleges of Punjab University and forwarded the shortlisted CV's to relevant organizations. So for we have maintained close collaboration and liaison with more than 100 industries to provide appropriate job placement to our students in the business market.