

Annual Report 2014-15



**University of Sindh
Jamshoro**

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VICE CHANCELLOR'S MESSAGE

“A University stands for humanism, for tolerance, for reason for the adventure of ideas and for the search of truth. It stands for the onward march of the human race towards ever higher objectives. If the Universities discharge their duties adequately, then it is well with the Nation and People”.

The University of Sindh is the country's oldest institute of higher learning and also an internationally recognized, research-led, comprehensive university. While recognizing the strength of its heritage and traditions, Sindh University also engages in frontier research and academic endeavors that reflect and address the needs of a fast changing, knowledge-based world.

Teaching at Sindh University is closely integrated with research. Our University's mission is to discover, preserve, and disseminate knowledge; produce creative work; and promote a culture of broad inquiry throughout and beyond the Sindh community. We aim to be the place of higher learning for talented men and women in Pakistan who would serve community, nation and society. The University's transformative education and high impact research are aimed at making a distinctive and positive impact on society.

We hope one will be inspired by the many fascinating facets that make University of Sindh a leading Pakistani, Asian and global University centered Sindh, and a community that will influence the future.

University of Sindh is all set to make ever-greater contributions in education, research, leadership and public engagement, locally and globally,

Welcome to the University of Sindh

Prof. Dr. Abida Taherani

Vice Chancellor, University of Sindh Jamshoro

ABOUT THE UNIVERSITY



- The University of Sindh, the second oldest University of Pakistan, was constituted under the University of Sindh Act. No. XVII of 1947 passed by the then Legislative Assembly of Sindh.
- The Act of 1972 under which the University is presently functioning provides for greater autonomy and representation of teachers.
- The present designated Allama I.I. Kazi Campus at Jamshoro is about 18 km from Hyderabad on the right bank of the River Indus, since 1950.

MISSION STATEMENT OF THE UNIVERSITY

To develop human resource by imparting quality education in all fields of science, technology, business management, education, sport sciences, arts and law, to develop a body of teachers and taught who would be aware and proud of their culture and possess a high sense of honor and integrity and work with selfless, dedication, commitment and responsibility towards society to contribute to the prosperity of people and peace and harmony in the country.

INSTITUTIONAL MEMBERSHIPS

- Tailloires Network
- Association of Commonwealth Universities
- Asia Pacific Quality Network
- Institute of Electronics and Electrical Engineering

CHAPTER-1: ACADEMIC ACTIVITIES

1.1 UNDERGRADUATE, POST GRADUATE AND GRADUATE PROGRAMS

The University of Sind offers 229 academic programs through 57 teaching Institutes/ Departments/Centers which are functioning under 8 different faculties at the main campus along with 6 additional campuses at various locations across Sindh. Table 4.0 provides detailed list of academic programs being offered at the University of Sindh and Sub-Campuses.

Table 4.0: List of the academic programs being offered at the University of Sindh and Sub-Campuses

SINDH UNIVERSITY MAIN CAMPUS (Allama I.I Kazi Campus Jamshoro & Elsa Kazi Old Campus, Hyderabad)					
Sr.	Faculty	Institute/Department/ Centre	Academic programs offered	Duration	Credit Hours
1	Faculty of Arts	Institute of Arts & Design	Bachelor of Arts & Design	4 years	130
2			Master of Arts in Fine Arts	2 years	66
3			BA Pass Fine Arts Evening	2 years	72
4			MA in Art Education Evening	2 years	66
5			Diploma in Music & Performance Evening	1 year	34
6		Institute of English Language & Literature	BS English	4 years	133
7			Master of Arts in English	2 years	66
8			Master of Arts in Language and Linguistics	2 years	66
9			MS/MPhil in English	2 years	66
10		Institute of Language & Literature	Bachelor of Arts (Honors) in Arabic	3 years	96
11			Master of Arts (Honors) in Arabic	1 year	34
12			Master of Arts in Arabic	2 year	66
13			Bachelor of Arts (Honors) in Persian	3 year	96
14			Master of Arts (Honors) in Persian	1 year	34
15			Master of Arts in Persian	2 years	66
16			M.Phil in Arabic	2 years	40
17			PhD in Arabic		
18		Department of Philosophy	Bachelor of Arts (Honors) in Philosophy	3 years	96
19			Master of Arts in Philosophy	2 years	66
20		Department of Sindhi	Bachelor of Arts (Honors) in Sindhi	4 years	146
21			MS/M.Phil in Sindhi	2 years	40
22			Master of Arts (Pass) Sindhi	2 years	66

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23			M.Phil in Sindhi	2 years	40	
24			PhD in Sindhi	3 years	18	
25		Department of Urdu	Bachelor of Arts (Honors) in Urdu	3 years	96	
26			Master of Arts (Honors) in Urdu	1 year	34	
27			Master of Arts in Urdu:	2 years	68	
28			M.Phil in Urdu	2 years	40	
29			Ph.D. in Urdu Litature	3 years		
30	Faculty of Education		<ol style="list-style-type: none"> 1. Curriculum Development & Special Education. 2. Distance, Continuing and Computer Education. 3. Education 4. Educational Management and Supervision 5. Psychological Testing Guidance & Research 6. Science and Technical Education. 	B.Ed and M.A Education, Previous Methods of Teaching/ Techniques + Internship	1 year	6 + 2
31				M.Ed and M.A Final in Education + Field work	1 year	12+ 6
32		B.Ed (Hons)		4 years	136	
33		B.Ed and M.A Education, Previous, (Morning & Evening)		1 year	42	
34		M.Ed and M.A Final in Education (Morning & Evening)		1 year	24	
35		M.Phil in Education		2 years	40	
36		PhD in Education		3 years	18	
37		Faculty of Islamic Studies		Department of Comparative Religion & Islamic Culture	Bachelor of Arts (Honors) in Islamic Culture:	3 year2
38	Master of Arts (Honors) in Islamic Culture,		1 year		34	
39	Bachelor of Arts (Honors) in Comparative Religion		3 years		96	
40	Master of Arts (Hons) in Comparative Religion		1 year		34	
41	Master of Arts in Comparative Religion		2 years		66	
42	M.Phil. in Islamic Culture		2 years		40	
43	Department of Muslim History		Bachelor of Arts (Honors) in Muslim History:		3 years	96
44			Master of Arts (Honors) in Muslim History:	1 year	34	
45			M.A. in Muslim History:	2 years	66	
46	Faculty of Social Sciences		Sindh Development Studies Centre	BS in Rural Development: Program	4 years	143
47		M SC. IN DEVELOPMENT STUDIES		2 YEARS	60	
48		M. SC. IN RURAL DEVELOPMENT DISTANCE LEARNING PROGRAM		2 years	66	

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49		M.Phil. in Development Studies	2 years	40
50		Ph.D in Sindh Development Studies	3 years	18
51	Far East South East Asia Area Study Center	M.Phil in Far East South East Asia Area	2 years	40
52	Center for Rural Development Communication	M.Sc in Strategic Communication	2 years	60
53		Professional Diploma in Health Communication	1 semester	16
54		Professional Diploma in Rural Development	1 semester	16
55	Pakistan Study Center	M.A in Pakistan Studies	2 years	80
56		M.Phil Pakistan Studies	2 years	18
57	Institute of Gender Studies	BS in Gender Studies	4 years	135
58		M.SC. HOME ECONOMICS:	2 YEARS	66
59		M.A. WOMEN DEVELOPMENT STUDIES:	2 YEARS	66
60		POSTGRADUATE DIPLOMA IN COMMUNITY DEVELOPMENT :	1 YEAR	34
61	Department of Economics	BS IN ECONOMICS	4 YEARS	147
62		M.A. IN ECONOMICS:	2 YEARS	66
63		MS/M.PHIL IN ECONOMICS	2 YEARS	40
64	Department of General History	BS IN GENERAL HISTORY	4 YEARS	133
65		M.A. IN GENERAL HISTORY-	2 YEARS	66
66		M.PHIL GENERAL HISTORY	2 YEARS	40
67	Department of International Relations	BS in International Relations:	4 years	133
68		Master of Arts in International Relations:	2 years	66
69		MS/M.Phil International Relations	2 years	40
70		Ph.D International Relations	3 years	18
71	Department of Library & Information Science & Archive Studies	BS Library & Info Science	4 years	131
72		POST GRADUATE DIPLOMA IN LIBRARY & INFORMATION SCIENCE	1 YEAR	30
73		MASTER OF LIBRARY & INFORMATION SCIENCE	1 YEAR	30
74		MS/M.PHIL IN LIBRARY AND INFORMATION SCIENCE	2 YEARS	40

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75			PH.D LIBRARY INFORMATION SCIENCE	3 YEARS	18
76		Department of Media and Communication Studies	B.S in Media & Communication Studies:	4-Year	136
77			Master of Arts in Media & Communication Studies:	2 years	66
78		Department of Political Science	BS IN POLITICAL SCIENCE	4 YEARS	147
79			M.A. IN POLITICAL SCIENCE:	2 YEARS	66
80			MS/M.PHIL IN POLITICAL SCIENCE	2 YEARS	40
81		Department of Psychology	BS in Psychology	4 years	130
82			M.A./ M.SC. PSYCHOLOGY	2 YEARS	66
83			MS/M.PHIL PSYCHOLOGY	2 YEARS	40
84			PH.D PSYCHOLOGY	3 YEARS	18
85		Department of Public Administration	Bachelor in Public Administrations Morning & Evening	4 years	147
86			Master of Public Administration (Pass) Morning & Evening	2 years	78
87			MS/M.Phil in Public Administration	2 years	40
88			Ph.D in Public Administration	3 years	18
89		Department of Sociology	BS in Sociology: Program	4 years	147
90			Master of Arts in Sociology	2 years	66
91			MS/M. Phil in Sociology	2 years	40
92			Ph.D Sociology	3 years	18
93		Department of Social Work	BS IN SOCIAL WORK:	4 YEARS	147
94			M.A. Social Work	2 years	66
95		Department of Criminology	BS Criminology	4 years	142
96			M.Sc. Criminology	2 years Evening program	48
97	Faculty of Pharmacy	<ul style="list-style-type: none"> • Pharmaceutics • Pharmaceutical Chemistry • Pharmacology • Pharmacognosy 	Doctor of Pharmacy (Pharm. D) (Morning & Evening)	5 years	202
98			M.Phil in Pharmaceutics	2 years	40

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99		Department of Pharmaceutics	Ph.D Pharmaceutics	3 years	18	
100		Department of Pharmacology	M.Phil in Pharmacology	2 years	40	
101		Department of Pharmaceutical Chemistry	M.Phil in Pharmaceutical Chemistry	2 years	40	
102			Ph.D Pharmaceutical Chemistry	23 years	18	
103	Faculty of Natural Sciences	Centre for Physical Education and Sports Sciences	Bachelor of Science in Health & Physical Education:	4 years	130	
104				Bachelor of Physical Education, Health & Sport Sciences BPEHSS Evening	1 year	62
105				Master of Physical Education, Health & Sports Science MPEHSS Evening	1 year	54
106				M.Phil in Physical Education	2 years	40
107			Centre for Environmental Sciences	Master of Science in Environmental Science:	2 years	72
108				M.Phil. in Environmental Sciences:	2 years	40
109			Centre for Pure & Applied Geology	BS. Geology:	4 years	136
110				MS/M.Phil. in Petroleum Geosciences	2 years	40
111				MS/M.Phil in in Geology	2 years	40
112				PhD in Geology	3 years	18
113			National Center of Excellence in Analytical Chemistry	MS/M.Phil in Analytical Chemistry	2 years	40
114				Ph.D in Analytical Chemistry	3 years	18
115		Institute of Biochemistry	BS. Biochemistry:	4 years	136	
116			MASTER OF SCIENCE IN BIOCHEMISTRY:	2 YEARS	66	
117			M.PHIL IN BIOCHEMISTRY	2 YEARS	40	
118			PH.D IN BIOCHEMISTRY	3 YEARS	18	
119		Institute of Biotechnology & Genetic Engineering	BS Genetics:	4 years	135	
120			Master of Science in Biotechnology:	2 years	66	
121			MS/M.Phil in Biotechnology	2 years	40	
122		Dr. M.A. Kazi Institute of Chemistry	B.S. Chemistry:	4 years	136	
123			M.Sc. Chemistry-	2 years	66	
124			MS/M.Phil in Analytical Chemistry	2 years	40	
125			MS/M.Phil in Inorganic Chemistry	2 years	40	
126			MS/M.Phil in Organic Chemistry	2 years	40	
127			MS/M.Phil in Physical Chemistry	2 years	40	
128			Ph.D in Analytical Chemistry	3 years	18	

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129		Ph.D in Inorganic Chemistry	3 years	18	
130		Ph.D in Organic Chemistry	3 years	18	
131		Ph.D in Physical Chemistry	3 years	18	
132	Institute of Information and Communication Technology	BS in Information Technology	4 years Morning and Evening Program	144	
133		BS in Software Engineering	4 years Morning and Evening Program	144	
134		BS in Telecommunication	4 years	142	
135		BS in Electronics	4 years	144	
136		MSc in Electronic Commerce	1 years	35	
137		Master of Information Technology (MIT)	2 years	60	
138		MSc in Multimedia Technology	1 years	35	
139		MSc Telemedicine and e-Health	2-Year Evening Program	40	
140		Postgraduate Diploma in Information Technology	1-year	40	
141		MS/M.Phil in Information Technology	2 years	40	
142		MS/M.Phil in Telecommunication	2 years	40	
143		PhD Information Technology	3 years	18	
144		Institute of Mathematics & Computer Science	BS (Computer Science) Morning & Evening	4 years	132
145			Master of Computer Science	2 years	60
146	MSc. Computer Science		2 years	72	
147	B.S. (Mathematics)		4 years	146	
148	M.A./ M.Sc. in Mathematics:		2 years	68	
149	MS/M.Phil in Computer Science		2 years	40	
150	Ph.D Computer Science		3 years	18	
151	Ph.D Mathematics	3 years	18		
152	Bioinformatics Program	MS/M.Phil in Bioinformatics	2 years	16	
153	Institute of Advanced Research Studies in Chemical Sciences	MS/M.Phil in Chemical Sciences	2 years	40	
154		Ph.D in Chemical Sciences	3 years	18	

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155		Institute of Physics	BS. Physics	4 years	146
156			M.Sc. Physics	2 years	74
157			MS/M.Phil in Physics	2 years	40
158			Ph.D Physics	3 years	18
159		Institute of Plant Sciences	BS. (Botany)	4 years	134
160			BS (Forestry) Evening	4 years	146
161			PGD in Medicinal Plants	1 year	30
162			Master of Science in Botany	2 years	72
163			MS/M.Phil in Plant Sciences	2 years	40
164			Ph.D in Plant Sciences	3 years	18
165		Department of Anthropology & Archeology	BS. Anthropology & Archaeology	4 years	136
166		Department of Freshwater Biology & Fisheries	BS (Fresh Water Biology & Fisheries)	4 years	146
167			M.Sc. Fresh Water Biology & Fisheries	2 years	66
168			MS/M.Phil in Fresh Water Biology and Fisheries	2 years	40
169			Ph.D	3 years	18
170		Department of Geography	BS. Geography:	4 years	134
171			M.Sc. Geography:	2 years	66
172		Department of Microbiology	BS. Microbiology:	4 years	146
173	MS/ MPhil		2 years	40	
174	Department of Physiology	BS Physiology	4 years	136	
175		M.Sc. Physiology	2 years	60	
176		MS./ M.PHIL. IN PHYSIOLOGY	2 years	40	
177	Department of Statistics	BS. Statistics:	4 years	136	
178		M.Sc. Statistics:	2 years	66	

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179			M.Phil in Statistics	2 years	40	
180			Ph.D in Statistics	3 years	18	
181		Department of Zoology	BS Zoology	4 years	133	
182			MSc Zoology	2 years	66	
183			MS/M.Phil in Zoology	2 years	24	
184	Faculty of Commerce & Business Administration	Institute of Commerce	B.Com. (Hons). (8- semester) Program Regular & Eve	4 years	136	
185				Master of Commerce: M.Com.	2 years	60
186				MS/M.Phil in Commerce:	2 years	40
187				PhD in Commerce		
188			Institute of Business Administration	Bachelor of Business Administration (BBA)	4 years	134
189				Master of Business Administration for Hons	1 year	34
190				M.B.A.	2 years	72
191				M.B.A.	(Evening 3 years) 2-year Program	69
192			M.Phil in Business Administration	2 years	40	
193	Faculty of Law	Institute of Law	Law Degree (D. Juris)	5 years	168	
194				L.L.M. (Evening)	2 years	
SINDH UNIVERSITY CAMPUS BADIN						
195		Business Administration	BBA (Hons)	4 years	134	
196			MBA Evening	2 years	69	
197		Commerce	BS. Commerce (Hons)	4 years	136	
198		Computer Science	BS Computer Science	4 years	132	

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199			PG-Diploma	1 year	40
200		Education	B.Ed	1 year	42
201			M.Ed	1 year	24
SINDH UNIVERSITY CAMPUS MIRPURKHAS					
202		Business Administration	BBA	4 years	136
203		Computer Science	BS Computer Science	4 years	132
204		Commerce	BCom	4 years	136
205		Geology	BS Geology	4 years	136
206		Information Technology	BSIT	4 years	144
SINDH UNIVERSITY CAMPUS DADU					
207		Business Administration	BBA	4 years	136
208			MBA	2 years	72
209			MBA Evening	3 years	69
210		Information Technology	BSIT	4 years	144
211		English	BS English	4 years	133
212			MA English Evening	2 years	66
SINDH UNIVERSITY CAMPUS THATA					
213		Business Administration	BBA	4 years	136
214			MBA	2 years	72
215		Computer Science	BS Computer Science	4 years	132
216		English	BS English	4 years	133
217		Coastal Zone Management	Masters	NA	NA
SINDH UNIVERSITY CAMPUS LARKANA					
218		Business Administration	BBA	4 years	136
219			MBA Evening	2 years	69
220		Computer Science	BS Computer Science	4 years	132
221		English	BS English	4 years	133
222		Textile Design	BA Textile Design	4 years	146

SINDH UNIVERSITY CAMPUS BHITSHAH					
223		Religious Harmony & tolerance: role of sufism	certificate course	3 months	
224		Functional english	certificate course	3 months	
225		BASIC COMPUTER SCIENCE	certificate course	3 months	
226		Master Degree Program in Sufism and Peace	MA Sufism and Peace	2 years	66
227		Master Degree Program in English	MA English	2 years	66
228		Master Degree Program in Political Science	MA in Political Science	2 years	66
229		BS-4 Year Program in Business Administration	BBA	4 years	136

1.4 FOREIGN ACADEMIC LINKAGES



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The University of Sindh has twenty (20) Foreign Academic Linkages with World's renowned Universities detailed in the table below:

S. No.	Name of International Collaboration/exchange Programme/Project	University/Organization/Agency with whom collaboration /Exchange program held	Country	Date	Duration
1	Mevlana Exchange Programme Protocol	Necmettin Erbakan University	Turkey	5.03.2015	5 years
2	Letter of Intent	Department of Chemistry Faculty of Science, Necemettin Erbakan, Universitesi, Konya, Turkey and NCEAC University of Sindh	Turkey	3.12.2013	5 years
3	Memorandum of Understanding	The Research Institute of Food Science and Technology (RIFST), I.R of Iran and NCEAC University of Sindh	Iran	4.12.2013	5 years
4	Memorandum of Understanding	Universiti of Malaysia, Perlis	Perlis	10.11.2014	5 years
5	Memorandum of Understanding	South East Asia Research Centre, City University of Hong Kong	Hong Kong	16.03.2015	5 years
6	Academic Linkage Agreement	NIDA University, Bangkok, Thailand	Thailand	15.01.2013	5 years
7	Academic Linkage Agreement	Sias International University China	China	25.09.2013	5 years
8	Academic Linkage Agreement	ZIBO Technician College, Republic of China	China	28.09.2013	5 years
9	Academic Linkage Agreement	Zebo Vocational Institute, Republic of China	China	28.09.2013	5 years
10	Letter of Intent for Cooperation	Kebangsaan University Malaysia	Malaysia	22.01.2015	5 years
11	International Cooperative Agreement	Gediz University, Izmir, Turkey	Turkey	2014-15	5 years
12	Protocol on International Educational Cooperation	Erciyes University, Kayseri, Republic of Turkey	Turkey	2014-15	5 years
13	Letter of Intent	Department of Chemistry, faculty of science, Universiti Technology Malaysia and NCEAC University of Sindh Jamshoro	Malaysia	2014-15	5 years

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14	MoU on Academic Exchange	City University of Hong Kong, HKSAR, People's Republic of China	China	16th March 2015	5 years
15	Academic Linkage Agreement	Idgir University Turkey	Turkey	2014-15	5 years
16	Academic Linkage Agreement	Adiyaman University , Turkey	Turkey	2014-15	5 years
17	Academic Linkage Agreement	NevsehirVeli University, Turkey	Turkey	2014-15	5 years
18	Academic Linkage Agreement	National University of Malaysia	Malaysia	2014-15	5 years
19	Memoradum of Understating	Department of Analytical Chemistry Faculty of Science Charles University in Prague, Czech Republic and NCEAC University of Sindh	Czech Republic	12th Dec 2011	5 years
20	Memoradum of Understating	Greenwich University, Karachi	Karachi	4.08.2014	5 years

1.5 HONOURS AND AWARDS

NATIONAL CENTRE OF EXCELLENCE IN ANALYTICAL CHEMISTRY

- **Award of Outstanding Contribution to Chemical Sciences**

Prof. Shahabuddin Memon has been awarded a *Gold Medal* by Pakistan Academy of Sciences in the field of Chemical Sciences in recognition of his outstanding work in the subject.

- **INFOODS Success Story Award-2015**

The **INFOOD Success Story Award 2015** for Pakistan goes to **Assoc. Prof. Dr. Najma Memon** for her remarkable contribution in updating 'Food Composition Table of Pakistan' – which is now under progress for production at the Centre and Ministry of Planning, Communication and Development in association with FAO, Pakistan. INFOODS is part of FAO of United Nations. This year, the award ceremony took place at International Food Composition Data Conference, hosted by National Institute, Hyderabad, India on 3-5 November 2015.

- **Research Productivity Award**

Prof. Tasneem Gul Kazi and **Dr. Hassan Imran Afridi** received Research Productivity Allowance in category A. Whereas, **Prof. Shahabuddin Memon**, **Prof. Tufail Hussain Sherazi** and **Prof. Sirajuddin** received RPA in B category, while and **Dr. Farah Naz Talpur** in C category. Besides this, 02 Ph.D. scholars also received RPA in C category.

- **Visiting Scientist Award**

Dr. Huma Ishaque Shaikh was invited as a visiting scientist by Department of Chemistry, Hacettepe University, Ankara, Turkey. She visited the biochemistry division of the department in the month of September, 2015 and stayed for one month. During her stay in Turkey she prepared monolithic column for separation of aromatic compounds using capillary electro-chromatography. She and Prof. Adil Denizli also planned joint research projects and submitted one project jointly to PSF and TUBITAK under JOINT RESEARCH PROJECTS BETWEEN PSF (PAKISTAN) AND TÜBİTAK (TURKEY).

- **International Research Support Initiative Program (IRISP) Fellowship Awarded By HEC**

Mr. Razium soomro had been awarded HEC scholarship under IRSIP to pursue part of his Ph.D. research studies at Bristol University, England. He successfully completed his research work and joined back the Centre in June 2015.

- **Post Doctoral Research Completed in Turkey**

During the current period the following Post-Doc Research Fellows of this Centre availed scholarship for one year under "Research Fellowship Program for Foreign Citizens" awarded by Technical Research Council of Turkey (TUBITAK).

Name of Research Fellow	Name of host University
Dr. Fakhar un Nisa Memon	Department of Chemistry, Selçuk University, Konya 42031, Turkey

- **Post Doctoral Research ongoing in Turkey**

Following Research Fellows of this Centre are pursuing their Post-Doc under scholarship for one year under “**Research Fellowship Program for Foreign Citizens**” awarded by Technical Research Council of Turkey (**TUBITAK**)

Name of Research Fellow	Institution
Dr. Naeem Ullah	Erciyes University, Fen-Edebiyat Faculty, Department of Chemistry, 38039, Kayseri-Turkey
Dr. Asif Ali Bhatti	Department of Chemistry, Selçuk University, Konya 42031, Turkey
Dr. Razuim Soomro	Department of Chemistry, Fatih University, Istanbul, Turkey

- **Part of Ph. D Research by Turkish Fellowship Grants (Completed)**

During the current period the following Research Fellows of this Centre availed scholarship for one year under “**Research Fellowship Program for Foreign Citizens**” awarded by Technical Research Council of Turkey (**TUBITAK**) and completed part of their Ph.D. research in respective universities of Turkey.

Name of Research Fellow	Institution
Mr. Abdul Qayoom Laghari	Department of Chemistry, Karadeniz Technical University, Trabzon 61080, Turkey
Mr. Ashfaque Bhatti	Department of Chemistry, Karadeniz Technical University, Trabzon 61080, Turkey
Ms. Fouzia Minhas	Department of Chemistry, Selçuk University, Konya 42031, Turkey

- **Part of Ph. D Research by Turkish Fellowship Grants (Ongoing)**

During the current period the following Research Fellows of this Centre were granted scholarship for one year under “**Research Fellowship Program for Foreign Citizens**” awarded by Technical Research Council of Turkey (**TUBITAK**). They are pursuing their research at respective universities of Turkey.

Name of Research Fellow	Institution
Ms. Tahira Qureshi	Department of Chemistry, Hacettepe University, Ankara-Turkey
Ms. Kosar Rajar	Department of Physics and Engineering, Istanbul Technical University, Istanbul, Turkey
Mr. Jamshed Ali	Gaziosmanpasa University, Faculty of Science and Arts, Chemistry Department, 60250 Tokat, Turkey

- **Ongoing HEC Indigenous Ph.D. Fellowships**

The following Ph.D. Scholars of this center have been awarded HEC indigenous 5000 Fellowships fully funded by HEC.

1. **Ms. Almas Fatima Memon** working on *“Development of capillary electrophoretic method for determination of selected flavonoids and their metabolites in biological fluids”*.
2. **Ms. Sanam Soomro** working on *“Revising and generating new food composition table of Pakistan”*.
3. **Mr. Anwar Ali Chandio** working on *“Synthesis and characterization of Calix [4] arene metal complexes and their applications”*

DEPARTMENT OF ZOOLOGY

Name of Faculty Members	Title of award	Award Type (National of International)
Dr. Nasreen Memon	Best National Female Teacher at University Level	Federal Ministry of Education, Government of Pakistan

CHAPTER-2 RESEARCH AND DEVELOPMENT

2.1 R&D AN OVERVIEW

INSTITUTE OF BIOCHEMISTRY

The Institute of Biochemistry, University of Sindh, was established in August 1999 with the multiple purpose of fulfilling research in the areas of Biochemistry, Nutrition & Food Technology, Clinical Biochemistry, Bioanalytical Techniques and Molecular Biology.

A significant number of national & International research papers have been published. We could accomplish outside funded four research projects amounting Rs. 5.16 million. Our special attributes could enable the production of Anti Snake Venom locally which under a WHO registered clinical trial found most effective and safe Anti Snake Venom in the region (with collaboration of ASV / ARV Serology Lab. Sakrand Shaheed Benazirabad Nawabshah, Government of Sindh). The first trial supply of three government hospitals could level to some extent the decades old community demand within the country especially for the downtrodden and socially vulnerable masses in Thar desert and provided very high but shared applaud for Sindh University. Now a days Institute of Biochemistry is in position to transfer the technology regarding Anti Snake Venom production to other countries.

Our vision regarding Malnutrition is major problem of Pakistan. We have established the “Nutrition & Food Technology” section at Institute of Biochemistry, University of Sindh, Jamshoro. Where BS, MS/M.Phil, Ph.D. Programs, Diploma & Training Programs are offered.

2.2 PROJECTS:

2.2.1 COMPLETED

INSTITUTE OF GENDER STUDIES

Strengthening the capacity of Institute of Women/Gender Studies University of Sindh.

Funded by; USAID, in collaboration with Aurat foundation, GEP Pakistan in 2014

NATIONAL CENTRE OF EXCELLENCE IN ANALYTICAL CHEMISTRY

- **Research Projects Completed in 2015**
- Research project on “*Mitigation of Mycotoxin Residues in Poultry Feed*” funded by HEC had been successfully completed in 2015. The total cost of the project was Rs. 3.0 millions. P.I. Prof. Tufail Hussain Sherazi, Co. P.I. Prof. Shafi Muhammad Nizamani.
- Research project on “*Evaluation of Status of Arsenic in Surface and Groundwater of Sindh Province: Evaluated some Indigenous Material for its Removal from Water*” funded by HEC had been successfully completed in 2015. The total cost of the project was Rs. 1.17 millions. P.I. Prof. Tasneem Gul Kazi.
- Research project on “*Detoxification/ Degradation of Organic Pollutants using Enzyme Immobilized Organogel Silica hardened Nano-composites*” funded by Pakistan Science Foundation had been successfully completed in 2015. The total cost of the project was Rs. 1.2519 millions. P.I. Dr. Najma Memon.

INSTITUTE OF BIOCHEMISTRY

Title of Project	Funding agency	Date of Approval	Amount (Rs)
Project NO: ASV/ARV Res-104/2014 Fractionation, Filtration, Purification and protein profile of antibodies from Immunized Horse Serum / Plasma for Quality Control in ASV Production (as a Principal Investigator)	Health Department, Govt. of Sindh.	2014	1.26 Million

2.2.2 NEWLY LAUNCHED

NATIONAL CENTRE OF EXCELLENCE IN ANALYTICAL CHEMISTRY

• **Nationally Funded**

- Research project on “*Nutritional Assessment of Selected Non-Traditional Vegetables of Sindh*” has been funded by HEC. The total cost of the project is Rs. 6.25 millions. PI: Prof. S.A. Sheikh, Co-PI: Prof. S.M. Nizamani (April 2015- April 2017).
- Research project on “*Metal Ion Imprinted Polymers (Miips): Novel Material for Pre-concentration and Separation of Total Arsenic in Aqueous Systems*” has been funded by Pakistan Science Foundation. The total cost of the project is Rs. 2.0 millions. P.I. Dr. Aamna Balouch, Co-PI: Prof. Muhammad Iqbal Bhangar.

• **Internationally Funded**

- Research project on “*Evaluation of Chromium Speciation in Drinking Water, Domestic Waste Water and Industrial Effluents of Sindh, Pakistan and its Bio-Remediation*” has been funded by The World Academy of Sciences (TWAS). The total cost of the project is Rs. 1.2 millions. PI: Dr. Jamil Ahmed Baig (Duration 18 months).
- Research project on “*Empowering of Pakistani Women through translational research in the sciences: Waste-to-Energy Conversion, and Water Purification Technology development*” has been funded by Higher Education Commission under Pak-US Science and Technology Cooperation Program. The total cost of the project is Rs. 21.05 millions. PI: Dr. Najma Memon.
- Research project on “*Characterization, Separation and Encapsulation of Valuable Components from Canola Oil Deodorizer Distillates*” has been funded by The Research Institute of Food Science and Technology (RIFST), Mashhad, Iran. The total cost of the project is Rs. 1.15 millions. P.I. Prof. Tufail Hussain Sherazi.

DEPARTMENT OF ZOOLOGY

Name of Faculty	Title of Project	Funding Agency	Date of Approval	Amount (RS)
Dr. Nasreen Memon Professor Meritorious & Chairperson	A Three Year Research Projects No.20-3838/NRPU/R&D/HEC/14/371 awarded by Higher Education Commission dated 16.11.2015, "Systematic study and Eco-Biology of Aphidophagous Hoverflies (Syrphidae: Diptera) from Pakistan" (Rs.4.472 million)	HEC	16.11.2015	4.472 millions
Dr. Nadir Ali Birmani Assistant Professor (TTS)	Biodiversity of helminth parasites of freshwater fishes of River Indus in Sindh province, Pakistan.	HEC	2015	2.94 millions
Dr. Saima Naz Assistant Professor	Biodiversity of Helminths and Ectoparasites of Game birds of Sindh, Pakistan. Project No.: NRPU-20/4514	HEC	2015	2.976 millions

2.3 PUBLICATIONS

There are 192 Research Publications of the University of Sindh in HEC Recognized "X" and "Y" Category Journals during 2014 and 2015 listed below:

S.No.	Name of Authors	Title of Research Paper	Name of Journal	Cat of Journal	V#	P#
1	A. B. Ghanghro , U. Channa, I. H. Ghanghro, M. J. Channa, A. H. Lanjwani	Biochemical And Phytochemical Analysis Of Typha Pollens (Cattails)	Sindh University Research Journal	X	47(3)	473 - 476

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2	S. Khan, A. N. Memon, <u>A. B. Ghanghro</u> , G. Nabi	Characterization Of Wheat Protein (Albumin) In Different Varieties Of Wheat Cultivated In Sindh Through Sds-Page Electrophoresis	Sindh University Research Journal	X	47(2)	361 - 366
3	S. Khan, A. N. Memon, <u>A. B. Ghanghro</u> , L. Ahmed	In - Vitro Analysis Of Antiallergic Activity Of Neem (AzadirachtaIndica) For Reduction Of Wheat Allergens.	Sindh University Research Journal	X	47 (3)	485 - 488
4	S. Khan, A. N. Memon, <u>A.B. Ghanghro</u> , S. Qureshi* M. Y. Khan	Investigation Of Seed Storage Proteins (Glutenin) Of Wheat On Sds-Page Electrophoresis.	Sindh University Research Journal	X	47(1)	19-24
5	<u>A. B. Ghanghro</u> , I. H. Ghanghro*, M. J. Channa, A. H. Lanjwani, S. Qureshi**	Phytochemical Screening And Quantitative Biochemical Assessment Of Acacia Nilotica (Flowers And Leaves)	Sindh University Research Journal	X	47 (4)	797 - 800
6	Abdul Hameed Lanjwani, Irshad Hussain Ghanghro, <u>Allah Bux Ghanghro</u> , Taj Muhammad Jahangir Khuhawar, Mahvish. J. Channa	Qualitative Examination Of Phytochemicals From Some Indigenous Medicinal Plants ,	Sindh University Research Journal	X	47(2)	261 - 264
7	Shaista Khan, <u>Allah Bux Ghanghro</u> , A.N Memon, S. Qureshi, Wahid Bux, Zafer Ali Perzado, <u>Ibtessamtahir</u> .	Allergic Sensitization In A Cohort Of Food (Especially Wheat Allergy) In Hyderabad And Adjoining Areas Of Pakistan.	Rawal Medical Journal	Y	40 (2)	148 - 151
8	Shaista Khan, Allah Bux Ghanghro, Naima Memon, Bikha Ram Deverajani, Ghulam Nabi, S. Qureshi	In-vitro analysis of antiallergic activity of Ocimum sanctum (Tulsi/Holy Basil) and Calotropis gigantean (Aak) for reduction of wheat allergenic proteins.	Rawal Medical Journal	Y		

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9	Wahid Bakhsh Baloch, Allah Nawaz Memon, Naima Memon, Hassan Imran Afridi, Allah Bakhsh Ghanghro, Abdul Hameed Lanjwani, Shaista Khan.	Mineral Analysis From Various Selected Parts Of Tephrosia Apollinea: A Native Medicinal Plants Of District Kech, Balochistan	Rawal Medical Journal	Y	40 (2)	210 - 213
10	Wahid Bakhsh Baloch, Allah Nawaz Memon, Naima Memon, Hassan Imran Afridi, Allah Bakhsh Ghanghro , Abdul Hameed Lanjwani, Shaista Khan.	Mineral Analysis From Various Selected Parts Of Tephrosia Apollinea: A Native Medicinal Plants Of District Kech, Balochistan.	Rawal Medical Journal	Y	40 (2)	210 - 213
11	Irshad Hussain Ghanghro, Allah Bux Ghanghro , Mahvish Jabeen Channa.	Nutritional Assessment Of Non-Conventional Vegetable (Capparis Decidua: Flower).	Rawal Medical Journal	Y	40 (2)	214 - 216
12	Mahvish Jabeen Channa, Allah Bux Ghanghro , Saghir Ahmed Sheikh and Shafi Muhammad Nizamani	Physico-Chemical Characteristics and Rheological Properties of Different Wheat Varieties Grown in Sindh	Pakistan Journal Of Analytical & Environmental Chemistry	Y	16, (2)	11 - 18
13	Memon, Jr, Gz Memon , Mi Bhangar, My Khuhawar, Pj Heard, Kr Hallam, And Gc Allen	Effective Removal of arsenite by Musa Paradisica	Sindh University Research Journal- SURJ (Science Series)	X	47, no. 4	
14	Jamil R. Memon et al.,	Focused ion beam analysis of banana peel and its application for arsenate ion removal	<i>Pak. J. Anal. Environ. Chem</i>	x	16 (1)	24-30

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15	Memon, Jamil R., G. Zuhra Memon , Peter J. Heard, Keith R. Hallam, and Geoffrey C. Allen	Focused ion Beam Analysis of Banana Peel and its Application for Arsenate ion Removal	Pakistan Journal of Analytical & Environmental Chemistry	X	16, no. 1	
16	Memon, Jamil R., G. Zuhra Memon, Peter J. Heard, Keith R. Hallam, and Geoffrey C. Allen	<i>Focused ion Beam Analysis of Banana Peel and its Application for Arsenate ion Removal</i>	<i>Pakistan Journal of Analytical & Environmental Chemistry</i>	Y	16, no. 1	24-30
17	Hakim Ali Kanasro	Team work: A key to Organizational Success	The Government Research Journal of Political Science, University Of Sindh , Jamshoro	Y	Vol.3	87-95
18	Hakim Ali Kanasro	Motivation Tools and Organizational Success	The Government Research Journal of Political Science, University Of Sindh , Jamshoro	Y	Vol.4	53-64
19	Dr. Hakim Ali Mahesar	<i>CONVENTIONAL TREATMENT AND THE RECREATIONAL ART THERAPY: REINTEGRATION FOR SPORTS PERSONNEL WITH SPINAL CORD INJURY</i>	<i>The Shield</i>	Y	10	86-95
20	Dr. Anwar Ali Shah G. Syed & F.M. Shaikh	<i>Issues Of Textile Exporters In The Context Of Pak-India Trade</i>	International Journal of Management and Information Technology	X	Vol-10, No-5	216-217 6

21	Dr.Anwar Ali Shah G. Syed	<i>Cointegration Between Exchange Rate And Interest Rate Differential: The Case Of Pak Rupee/Us Dollar</i>	International Journal of Management and Information Technology	X	Vol-10, No-5	216 8- 217 6
22	F.M.Shaikh & Anwar Ali Shah G. Syed	Issues Of Exporting Rice From Pakistan To India In The Context Of South Asian Free Trade Agreement (SAFTA)	International Journal of Management and Information Technology	X	10, No-6	264 6- 265 0
23	F.M.Shaikh Dr.Anwar Ali Shah G. Syed	Impact Of Trade Liberlization And South Asian Free Trade Agreement (SAFTA) On Textile And Rice Export, On Pakistan's Economy By Using CGE (Computable General Equilibrium Model)	International Journal of Management and Information Technology	X	10, No-6	216 8- 217 6
24	F.M.Shaikh Dr.Anwar Ali Shah G. Syed	Syed Pak-India Textile Trade On South Asia Free Trade Agreement (SAFTA) Prospectus And Challenges By Using CGE-Mode	International Journal of Management and Information Technology	X	10, No-6	267 0- 267 7
25	F.M.Shaikh, Dr.Anwar Ali Shah G. Syed	Econometric Analysis of Price Shock and Consumption Demand of Sugar in Pakistan	International Journal of Case Studies	Y	Vol-12- Issue-3	230 5- 509 X
26	Abdul Sattar Shah, F.M.Shaikh, & Dr.Anwar Ali Shah G.Syed	Statistical Correlation between Global Issues in Textile Industry of Pakistan	International Journal of Case Studies	Y	Volume 3, Issue	
27	Dr. Tarique Bhatti	Assessment of Managerial Performance of Female Principals of Public Sector Colleges	International Journal of Human Field Studies AYER	Y	3	139 - 150

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28	Dr. Tarique Bhatti	Good Governance Challenge and Current Management system of Public Sector Colleges in the Province of Sindh, Pakistan	International Journal of Human Field Studies AYER	Y	2	60-67
29	2. Altaf, S., Soomro, N., & Channa, L.	Foreign language anxiety in undergraduates of Sindh University: A qualitative case study	Kashmir Journal of Language Research.	Y	18	
30	Ansari, K. and Mahesar, H. A.	Conventional treatment and the Recreational Art Therapy: Reintegration for Sports personal with spinal cord Injury	The Shield-Journal of Physical Education and Sports Science	Y	10	86-95
31	Laghari M.Y., P. K. Lashari, N. T. Narejo Y. Zhang, X. Sun	<i>AKP and SOD related Quantitative Trait Locus (QTL) detection in common carp.</i>	<i>Sindh Univ. Res. Jour. (Sci.Ser.)</i>	X	47 (4)	856 - 868
32	D. A. DARBAN*, B. WARYANI**S. R. GOWEN* A. R. ABASSI**	Attachment of six populations of P. penetrans spores on the second stage juveniles of two population of root-knot nematodes	Sindh Univ. Res. Jour. (Sci. Ser)	x	Vol. 47 (1)	57-60
33	D. A. DARBAN*, B. WARYANI**S. R. GOWEN* A. R. ABASSI**	Comparisons of the Spore Attachment of Two Populations of Pasteuria Penetrans (Malakisi and Thika) on Two Different Populations of Root-Knot Nematode Known as Hypericumand Navaisha	Sindh Univ. Res. Jour. (Sci. Ser)	X	Vol. 47 (1)	423 73
34	3. Arain, K., N.T. Narejo, S. Jalbani and P. Khan	<i>Effect of different feeds on growth and survival of Tilapia nilotica reared in cemented cisterns</i>	<i>Sindh Univ. Res. Jour. (Sci.Ser.)</i>	X	47 (4)	643 - 644

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35	Lal, M. N. T. Narejo, S. Jalbani, P. Khan	<i>Interrelationships between various body measurements and meristic characters of Channa striata from district Badin, Sindh, Pakistan</i>	<i>Sindh Univ. Res. Jour. (Sci.Ser.)</i>	X	47 (3)	489 - 492
36	2. Naeem, M., N. T. Narejo, A. Salam, S. A. Rasool, M .. Khalid, Ishtiaq, A	<i>Length- Weight relationships of Juvenile Pangasius with Special Reference to Body Size and Condition Factor</i>	<i>Sindh Univ. Res. Jour. (Sci. Ser.)</i>	X	47(3)	523 - 526
37	Achakzai, W.M., S. Saddozai, W.A. Baloch, A.N. Soomro, N. Memon	Length-Weight Relationship and Condition Factor of Notopterus notopterus (Pallas, 1769) from Manchar Lake Sindh, Pakistan.	<i>Sindh Univ. Res. Jour. (Sci. Ser.)</i>	x	47	515 - 518
38	Shahzia A., Abbasi S.A., S.N. Qureshi, Solangi S. H., Siddiqui .I	Structural interpretation of seismic data in the South of Zindapir area, Sulaiman fold belt, Pakistan.	<i>Jour. Himalya Earth Sci.</i>	X	48 (1)	112 - 123
39	SA ABBASI, SH SOLANGI, A NAZEER...	An Overview of Structural Style and Hydrocarbon Potential of Jabo Field, Southern Sindh Monocline, Southern Indus Basin, Pakistan.	<i>Sindh University Journal (Sci.Ser.)</i>	X	<u>Vol.47</u> <u>(2)</u>	347 - 354
40	Daahar, A.A.A., Khokhar Q.D., Solangi S.H., Dr. Siddiqui I., Agheem, M.H., and A. H. Bhutto	Geochemical study of bara formation from boreholes SB- 14- TC and ST-24- TC Thar Coalfield, Sindh, Pakistan.	<i>Sindh University Journal (Sci.Ser.)</i>	X	47 (2)	275 - 282
41	SA Abbasi, SH Solangi, Anwar Ali	<i>Seismic Data Interpretation: A case study of southern Sindh Monocline, Lower Indus Basin, Pakistan</i>	<i>Mehran University Research Journal of Engineering & Technolog</i>	X	y, Volume 34, No.2, April, 2	107 - 115

42	N. MAHOTO ,A. SHAIKH , F. KHUHAWAR * A. AFTAB	<i>Factors Affecting Software Quality in Legacy Software Life Cycle Models for Emerging Professionals</i>	<i>SindhUniversityResearch Journal (Science Series)</i>	X	47(2) :	313 - 320
43	A. A. CHANDIO, M. LEGHARI, D.N. HAKRO , S. A. AWAN, A. H. JALBANI	A Novel Approach for Online Sindhi Handwritten Word Recognitino using Neural Network	<i>Sindh University Research Journal (Science Series)</i>	X	(48) 1	
44	D. N. Hakro , S.A.Awan,M.Memon,A.M. AAmur,G. N. Mojai.	Interactive Thinning for Segmentation-based and Segmentation-free Sindhi OCR	<i>Sindh University Research Journal (Science Series)</i>	X	(47) 3	
45	Ma Memon, S Memon, Z Bhatti, Sa Khowaja, B Baloch	Autonomous Robot Path Planning Using Particle Swarm Optimization in Static and Obstacle Environment	Sindh University Research Journal-SURJ (Science Series) ISSN: 1813-1743	x	47 (4)	653 - 658
46	D. N. Hakro , Z. Talib. G. N. Mojai.	Multilingual Text Image Database for OCR	<i>Sindh University Research Journal (Science Series)</i>	X	(47) 1	
47	S ABBASI, I.A ISMAILI, S.A MEMON, F KHUHAWAR	“Performance Analysis of WMN Backhaul as a Suitable Alternate of Wired Backhaul”,	<i>Sindh University Research Journal (Science Series),</i>	x	47(1),	131 - 136
48	S.ABBASI, S.SHAH, F. KHUHAWAR, R.H. SHAH and N.A MEMON	Optimum Cell Sectorization for Capacity Enhancement	<i>Sindh University Research Journal (Science Series),</i>	x	47(3)	585 - 590

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49	SANDER ALI KHOWAJA*, AND IMDAD ALI ISMAILI	<i>Image Compression Using Moving Average Histogram and RBF Network</i>	<i>Mehran University Research Journal of Engineering & Technolog</i>	x	Volume 34, No. 4, October	359 - 378
50	AW Mahesar, FH Chandio, AA Shaikh, HF Naqvi, QUA Nizamani, MR Wahiddin	Topological structure of complex networks and its importance in diffusion	SURJ	X	47 (2)	
51	Memon, F. N., Z. U. A. Khuhro, A. P. Harrison,	Affymetrix GeneChip of Arabidopsis Thaliana shows less effects of G-stack probes	Sindh University Research Journal (Science Series)	X	Vol.47(3)	623 - 630
52	Memon, F. N., Z. U. A. Khuhro, A. P. Harrison	QuadLocator - An algorithm to locate possible quadruplex forming sequences	Sindh University Research Journal (Science Series)	X	Vol.47(2)	321 - 326
53	GQ Memon GH Talpur P Shaikh, AW Shaikh	Investigative Solutions Of Viscoelastic Fluid Flow in Channels Through Porous Media: Analysis of Velocity	SURJ	X	47(4)	743 - 748
54	GQ Memon, AW Shaikh, P Shaikh	Application of Viscoelastic fluid flow through porous channels coupled with oldroyd-B constitutive model: Analysis of viscoelastic stresses	SURJ	X	47 (3)	497 - 502
55	Samon, S, YA Malkani, AR Nangraj, MY Koondhar	An Indoor and outdoor positioning system using hybrid approach	SURJ	X	47 (1)	

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56	M QABULIO, YA MALKANI, AA KEERIO	On Node Replication Attack in Wireless Sensor Networks	Mehran University Research Journal of Engineering & Technolog	X	Volume 34, No. 4, Oct	413 - 424
57	NOOR JEHAN RAJPER*, AND STEPHAN REIFF- MARGANIEC**	VOML: A Framework for Modelling Virtual Organizations and Virtual Breeding Environment	Mehran University Research Journal of Engineering & Technolog	X	, Volume 34, No. 3, J	221 - 234
58	Laghari, ZA, Soomro AM, Tunio SA, Lashari K, Baloch FG, Baig NM Bano S	<i>Malnutrition among children under five years in district sanghar Sindh Pakistan</i>	<i>Gomal Journal of Medical Sciences</i>	Y	13	54- 57
59	Channa MJ, Ghanghro AB, Sheikh SA, Nizamani SM.	<i>Physico-Chemical Characteristics and Rheolgical Properties of Different Wheat Varieties Grown in Sindh.</i>	<i>Pakistan Journal of Analytical and Environmen tal Chemistry.</i>	Y	16(2)	11- 8
60	M. A. Bajeer, M. I. Bhanger, S. T.H. Sherazi*, S. M. Nizamani and M. A. Mallah	<i>Assessment of Fate of Thiodicarb Pesticide in Sandy Clay Loam Soil</i>	<i>Pakistan Journal of Analytical & Environmen tal Chemistry</i>	Y	16, no. 1	39- 44
61	Nizamani IA, Rustamani MA, Nizamani SM, Nizamani SA, Khaskheli MI.	<i>Population Density of Foliage Insect Pest on Jujube, Ziziphus mauritiana Lam. Ecosystem.</i>	<i>Journal of Basic and Applied Sciences.</i>	Y	11	304 - 313
62	Mudassar Iqbal Arain, Muhammad Ali Ghoto, Abdullah Dayo , Khurram Anwar, Rabia Parveen , Ali Qureshi	The Awareness of Pharmacovigilance Among Medical Parctitioners in Government Hospital Hyderabd , Pakistan.	Sindh Univ.Res.Jo ur	X	Vol.47(3)	605 - 608

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63	U.R Mughul, M.L Maheshwari, A. Dayo, M.A Ghoto , A. Memon, M.H Mughal	Evaluation of Quality and Quantity of Tobramycin Sulfate From Different Pharmaceutical Dosage Forms In Various Brands Available	Sindh Uni.Res.Jour	X	Vol.47(4)	801 - 804
64	Dr. Muhammad Akram Ansari, Associate Professor	Cross-cutting concerns of Modularization in Object-Oriented and Aspect-Oriented Paradigms	Sindh University Research Journal (Science Series)	X	Vol. 47 (4)	775 - 778
65	Muhammad Akram Ansari, Soniha Aslam	Awareness, Attitude and Compliance of Physical Activity among Diabetic Patients in Hyderabad City	Sindh University Research Journal (Science Ser), University of Sindh, Jamshoro	x	Vol.47(2)	187 - 190
66	Dr. Soniha Aslam, Associate Professor	Awareness, Attitude and Compliance of Physical Activity among Diabetic Patients in Hyderabad City	Sindh University Research Journal (Science Series)	X	June Issue	187 - 190
67	Soniha Aslam	Clinical Spectrum of Chronic Kideny Disease: A Study of 50 Patients in LUMHS	IMJ (Isra Medical Journal) Hyderabad	Y	Vol.7(4)	220 - 224
68	Dr. Muhammad Rafique Qambrani, Assistant Professor, Dr. Muhammad Akram Ansari, Associate Professor	Comparing of Body Mass Index and by Sit and Reach flexibility test of Tsinghua University Beijing China and University of Sindh, Pakistan students	Sindh University Research Journal (Science Series)	X	Vol. 47 (2)	327 - 330

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69	Muhammad Akram Ansari, Muhammad Rafique Qambrani	Comparing of Body Mass Index and by Sit and Reach flexibility test of Tsinghua University Beijing China and University of Sindh, Pakistan Students	Sindh University Research Journal (Science Ser), University of Sindh, Jamshoro	X	Vol.47(2)	327 - 330
70	Muhammad Akram Ansari	Critical Analysis of the Application of Physics in the Daily Life of Intermediate Learners in Pakistan	Sindh University Research Journal (Science Ser), University of Sindh, Jamshoro	X	Vol.47(3)	477 - 484
71	Muhammad Akram Ansari	Cross-cutting concerns of Modularization in Object-Oriented and Aspect-Oriented Paradigms	Sindh University Research Journal (Science Ser), University of Sindh, Jamshoro	X	Vol.47(4)	775 - 778
72	Dr. Mehmood-ul-Hassan Mughal, Assistant Professor & Director (Incharge)	Evaluation of Quality and Quantity of Tobramycin Sulfate from Different Pharmaceutical Dosage Forms in Various Brands Available in Pakistan	Sindh University Research Journal (Science Series)	X	Vol. 47 (4)	801-804
73	Muhammad Akram Ansari	Impact of Facebook Website on collective conviviality intellectual activities	Sindh University Research Journal (Science Ser), University of Sindh, Jamshoro	X	Vol.47(4)	729 - 732

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74	Soniha Aslam	Knowledge and Awareness of hepatitis B among students of a Public Sector University	IMJ (Isra Medical Journal) Hyderabad	Y	Vol.7(2)	95-100
75	Dr. Soniha Aslam, Associate Professor, Dr. Muhammad Akram Ansari, Associate Professor	Levels of Anxiety in sports during Training and Competition among Students of Physical Education	The Shield"- International Journal of Physical Education & Sports Science, University of Sindh, Jamshoro	Y	Vol. 10	67-74
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87	Dr. Nadir Ali BirmaniAssistant Professor (TTS)	Microphallus magnagulletum n. sp. (Digenea: Microphallidae) from Black Coot, Fulica atra (Gruiformes: Rallidae) in Sindh province of Pakistan	Sindh University Research Journal (Science Series) ISSN: 1813-1743	x	47 (3)	451 - 454

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172	Dr.Misbah Biby Qureshi	Gendered patterns of labor migration in Philipp	THE WOMEN	X	Vol:06	77 TO 94

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173	Dr. Naheed Baloch Professor	Effect of natural and artificial diets on the life history of parameters of melon fruit fly of Hyd, Sindh Pakistan	General of Biology, Agriculture and Health care	X	4 (3)	ONLINE
174	DN Hakro, AZ Talib, Z Bhatti, GN Moja	Study of Sindhi Related and Arabic Script Adapted languages Recognition	Sindh University Research Journal- SURJ (Science Series) ISSN: 1813-1743	x	46(3)	323 - 334
175	DN HAKRO, IA ISMAILI, AZ TALIB, Z BHATTI, GN MOJAI	Issues and Challenges in Sindhi OC	Sindh University Research Journal (science Series) ISSN: 1813-1743	x	46 (2)	143 - 152
176	D. N. Hakro, I., A. Z. Talib. Z. Bhatti. G. N. Mojai	Study of Sindhi Related and Arabic Script Adapted languages Recognition	Sindh University Research Journal (Science Series)	X	(46) 3	
177	Aijaz Ali Wassan	Male Prostitution in Larkana City: An Unrevealed Truth	Academic Research International	Y	Vol. 5(5) ISSN: 2223-9944, E-ISSN: 2223-9553.	319 - 326
178	Aijaz Ali Wassan	A Case Study on Problem of Working Women in City	International Academic Research Journal	Y	Vol. 5(2)	325 - 333

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179	Dr. Ameer Ali Abro	Situational analysis of marginalized youth of urban areas and youth policies	The Shield University of Sindh Jamshoro	Y	Volume 09,	66-79s
180	Dr. Nasreen Memon Professor Meritorious and Chairperson	record and re description of paragushaemorrhousceugeb (Diptera: Syrphidae) from Balochistan, Pakistan	Journal of Entomology and Zoology Studies	Y	Vol.2 (5):	267 - 270
181	Dr. Nasreen Memon Professor Meritorious and Chairperson	Diversity of Pierid Butterflies (Lepidoptera: Pieridae) from Jamshoro Sindh,	Journal of Entomology and Zoology Studies	Y	Vol.2 (5):	164 - 170
182	Dr. Nasreen Memon Professor Meritorious and Chairperson	Check List of Butterfly Fauna (Lepidoptera: Rhopaloc	Pure App. Bio	Y	3 (4)	199 - 203
183	Dr. Nasreen Memon Professor Meritorious and Chairperson	Biology of <i>Eariasinsulana</i> (Spiny bollworm) Lepidoptera: Noctuidae on different temperatures in labor	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (2)	129 - 132
184	Dr. Nasreen Memon Professor Meritorious and Chairperson	Testicular Toxicity of Lambda Cyhalothrin Insecticide in Male Rabbits (<i>Oryctolagus cuniculu</i>	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (3)	287 - 292
185	Dr. Nasreen Memon Professor Meritorious and Chairperson	First Record and Redescription of <i>Tarucus Theophrastus</i> Fabricius (Papilionoidea, Lycaenidae)	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (3)	319 - 322
186	Dr. Nasreen Memon Professor Meritorious and Chairperson	Phylogeny of the world species of <i>Mustha</i> Amyot and Serville (Hemiptera: Pentatomidae: Pentatominae: Halyini) based on morphological charact	Journal of Animal & Plant Sciences	Y	24 (2)	463 - 474

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187	Dr. Nasreen Memon Professor Meritorious and Chairperson	Effects of Profenofos Endocrine Disrupting Chemical on Leydig's cell in Rabbi	Journal of Animal & Plant Sciences	Y	24(1)	(ISS N18 13-174 3)
188	Dr. Riffat Sultana Assistant Professor	Morphological study with special reference to Phallic complex of two important grasshoppers from Pakist	Sindh University Research Journal (Science Series)	y	46 (4)	413 - 418
189	Dr. Riffat Sultana Assistant Professor	Incidence of <i>Mermisnigrescens</i> Dujardin (Mermithida :Mermithidae : Nematoda) in paddy grasshoppe	Sindh University Research Journal (Science Series)	y	46(4)	496 - 498
190	Dr. Riffat Sultana Assistant Professor	Trichomes of Cotton Leaf as an Aspect of Resistance to Sucking Insect	Sindh University Research Journal (Science Series)	y	46(3)	351 - 356
191	Dr. Riffat Sultana Assistant Professor	Taxonomy study on the occurrence of <i>Trilophididia annulata</i> (Thunberg) (Oddipodinae: Acrididae: Orthoptera) from Pakist	Sindh University Research Journal (Science Series)	y	46(1)	423 73
192	Aijaz Ali Wassan	Socio-Economic Causes of Child labor in Carpet Weaving Industry: A Case Study of Union Council Ali Wah	International Journal of Social Welfare and Human Rights	y	Vol. 2, No. 1, pp. 251-264	251 - 264

In Impact Factor Journals there are 289 publications of the University during the fiscal year 2014-15.

S.No	Name of Authors	Title of Research Paper	Name of Journal	Year	I.F./ISI	V#	P#
1	Baradi Waryani, Yahui Zhao Chunguang Zhang Rongji Dai, Sara Ferrando Abdul Rasool Abbasi,	Surface Architecture of the Olfactory Epithelium of Two Chinese Cave Laoches	Italian Journal of Zoology	2015	0.865	82	179-185

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2	Gopang, I. B., Soomro, A. F., & Bughio, F. A.	Increasing motivation at university level. A paradigm of action research	Journal of Language Teaching & Research	2015	1.067		
3	Memon S, Bhatti A, Bhatti A.	Sorption of As(III) by calix[4]arene modified XAD-4 resin: kinetic and thermodynamic approach.	J IRAN CHEM SOC.		1.087	12(4)	727-35
4	Memon S, Bhatti A, Bhatti A, Ocak Ü, Ocak M.	Synthesis and chromogenic behavior exploration of a new calix[4]arene derivative.	J IRAN CHEM SOC		1.087	12(10)	173-9-46
5	Maheshwari ML, Memon AA, Memon S, Memon F-u-N, Mughal UUR, Dayo A, et al.	Optimization of HPLC method for determination of cefixime using 2-thiophenecarboxaldehyde as derivatizing reagent: A new approach.	Saudi Pharmaceutical Journal.		1.283	23(4)	444-52
6	Ali, A., Muhammad Israr-Qadir, Z. Wazir, M. Tufail, Zafar Hussain Ibupoto , Sadaf Jamil-Rana, M. Atif, S. A. Khan, and Magnus Willander	Cobalt oxide magnetic nanoparticles–chitosan nanocomposite based electrochemical urea biosensor	Indian Journal of Physics	2015	1.377	89, no. 4	331-336
7	Afridi H, Talpur F, Kazi T, Kazi N, Arain S, Shah F	Estimation of calcium, magnesium, cadmium, and lead in biological samples from paralyzed quality control and production steel mill workers	Environ Monit Assess		1.679	187(6)	1-11
8	Arain S, Kazi T, Afridi H, Brahman K, Naeemullah, Khan S, et al	Preconcentration and determination of lead and cadmium levels in blood samples of adolescent workers consuming smokeless tobacco products in Pakistan.	Environ Monit Assess		1.679	187(5)	1-13
9	Lashari, P., M.Y Laghari, Baradi W, Shaista J, N.T Narejo, Y, Zhang	Complete mitochondrial genome of Freshwater Catfish Eutrophiichthysvacha (Siluriformes, Bagridae) Mitochondria DNA	DOI:10.3109/19401736.2015.1007357	2015	1.71		
10	Arain, Sadaf S., Tasneem G. Kazi, Asma J. Arain, Hassan I. Afridi, Kapil D. Brahman, Jamshed Ali, and G. Zuhra Memon	Evaluated the Levels of Lead and Cadmium in Scalp Hair of Adolescent Boys Consuming Different Smokeless Tobacco Products with Related to Controls	Biological trace element research	2015	1.74	164, no. 2	178-184
11	Balouch, Quratulain, Zafar Hussain Ibupoto, Ghulam Qadir Khaskheli , Razium	Cobalt Oxide Nanoflowers for Electrochemical Determination of Glucose	Journal of Electronic Materials	2015	1.798	44, no. 10	372-4-

	Ali Soomro, Muhammad Kashif Samoon, and Vinod Kumar Deewani						373 2
12	Dr. Irfana Shah	Be Careful Where You Smile: Culture Shapes Judgmentsof Intelligence and Honesty of Smiling Individuals	J of Nonverbal Behav	2015	1.974	Vol. 40, issue 155	pp.1-16
13	Soomro, A.N., W.A. Baloch, Z.A. Laghari, Z.A. Palh, K.H. Lashari, G.M. Mastoi, S. Saddozai	Length-weight relationship and condition of <i>Mystuscavasius</i> (Hamilton) from lower Indus River at Thatta District, Sindh, Southern Pakistan.	Inter.J. Emerging Scienc and Techno	2015	2	2	187 5- 187 9
14	Veesar, Irshad Ali, Imam Bakhsh Solangi , and Shahabuddin Memon	Immobilization of α -amylase onto a calix [4] arene derivative: Evaluation of its enzymatic activity	Bioorganic chemistry	2015	2.152	60	58-63
15	Veesar IA, Solangi IB, Memon S.	Immobilization of α -amylase onto a calix[4]arene derivative: Evaluation of its enzymatic activity.	Bioorganic Chemistry.		2.152	60	58-63
16	4. Anila Naz Soornro1 , Wazir Ali Baloch1 , Zulfiqar Ali Laghari3 , Zameer ali Palh1 , Khalid Hussain Lashari1 , Ghulam Murtaza Mastoi4 ,Shagufta Saddozai2	Length-weight relationship and condition of <i>Mystus cavasius</i> (Hamilton) from lower Indus River at Thatta District, Sindh, Southern Pakistan	IJETST-	2015	2.838	Vol.II0 21Issuel/021 /11Februaryill SSN 2348-9480 2015	Page s 187 5-187 9
17	5. Khalid Hussain Lashari, Zulfiqar Ali Laghari, Zameer Ali Palh, Gulshan Ara Sahato, Ghulam Murtaza Mastoi	Mastoi Studies of Fresh Water Toxic Phytoplanktonic (<i>Microcystis</i>) of Keenkjhar Lake, Thatta, Sindh, and Pakistan	IJETST-	2015	2.838	VOL 2(1); (2015).	pp. 174 7-175 1
18	6. Ghulam Murtaza Mastoil, Muhammad Amin Qureshi 1 , Zulifqar Ali Leghari3 , Zamir Ali Palh1 1 , Niaz Ahmed Memon 1 ,Khalid Hussain Lashari2 ,Irnran Ali Abbasi1 ,Abdul Aziz mastoi 1 . GhulamMustafa Thebo-I , Suhail Rahoojo1 , Shenaz Hak ro1 ,M.Ali Bhatti 1 ,Rashid Ali Malookan11 ,M.Waseem Junejo1 ,Sher Zaman	ARC GIS BASED STUDY OF WATER QUALITY OF PHULELI CANAL HYDERABAD, SINDH PAKISTAN	IJETST-	2015	2.838	6. Vol.II0 211Issuel081 111Augustill SN 2348-9480 2015	Page s 309 3-31 03

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	Kolachi1 , Abdul.Waheed Mastroil , Abdul Manan 1						
19	Naeemullah, Kazi TG, Afridi HI, Shah F, Arain SS, Brahman KD, et al.	Simultaneous determination of silver and other heavy metals in aquatic environment receiving wastewater from industrial area, applying an enrichment method.	Arabian Journal of Chemistry.		3.725	N/A	N/A
20	Ghanghro AB, Channa MJ, Sheikh SA, Ghanghro IH, Nizamani SM.	Significant reduction of aflatoxin level by solar irradiation in stored wheat (<i>Triticum aestivum</i> L.).	International Journal of Biology, Pharmacy and Allied Sciences.		3.879	4(12)	662-8-38
21	Nawaz A, Imamuddin Khoso and Rizwan RA	A comparative study of NAV (Net Asset Value) returns of open-ended and close-ended mutual funds in Pakistan	International Journal of Information, Business and Management	2015	3.91	7(1)	
22	Dr. Riffat SultanaAssistant Professor	Study on the Eupholidopteraspecies (Orthoptera: Tettigoniioidea: Tettigoniinae) from Pakistan. www.http://journalijar.com	International Journal of Advance Research	2015	4.588	3(2)	585-590
23	Gopang, I. B., Bughio, F. A.	Pakistani budget 2013-2014. A Critical Discourse Analysis.	International Journal of English Language Teaching	2015	6.75	. Vol. 2(1).	1-7
24	Dr. Saima NazAssistant Professor	A new species of Genus <i>Diplotriaena</i> Rilliet and Henry, 1909 (Nematoda: Filariidae) from <i>Passer domesticus</i> Linnaeus and <i>Passer pyrrhonotus</i> Blyth (Passeriformes: Passeridae) in Jamshoro, Sindh, Pakistan	Turkish Journal of Parasitology, Turkey	2015	(IF=0.019)	39	: 265-269.
25	Ghulam Abbas, BaradiWaryani, Abdul Ghaffar, Abdur Rahim, Muhammad Hafeez-ur-Rehman and Muhammad Aslam,	Effect of Ration Size and Feeding Frequency on Growth, Feed Utilization, Body Composition and Some Haematological Characteristics of Juvenile Snapper, <i>Lutjanusjohnii</i> (Baloch, 1792)	Pakistan Journal of Zoology	2015	0.400.	47	719-730

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26	Abdur Rahim, Ghulam Abbas, BaradiWaryani, Abdul Ghaffar, Md. Mostafa Monwar, Muhammad Hafeez-ur-Rehman and Ghulam Dastagir,	Influence of Varying Dietary Lipid Levels on Growth, Feed Conversion and Chemical Composition of Meat and Liver of the Juvenile Blackfin Sea Bream, <i>Acanthopagrus berda</i> (Forsskal 1775)	Pakistan J. Zool	2015	0.400.	47	146 7- 147 3
27	Dr. Naimatullah Shah	Developing Attitudes and Intentions among Potential Entrepreneurs	Journal of Enterprise Information Management	2015	ABS	Vol.28, No.2.	304- 322.
28	Achakzai, W.M., W. M. Shagufta, W.A. Baloch, N. Srivastava, A.N. Soomro	Length-weight relationship and condition factor of <i>Cirrhinus mrigala</i> (Hamilton-Buchanan) from Manchar Lake, Sindh, Pakistan.	Proc. Zool. Soc. India	2015	Impact Factor	14	57- 63
29	Achakzai, W.M., S. Saddozai, W.A. Baloch, Samiullah, M.A. Panezai, Z. Masood, A.N. Soomro	Comparison of water chemistry of Manchar Lake with WHO drinking water quality standards.	American-Eurasian J. Agric. & environ. Sci.	2015	Impact Factor	15	122 4- 123 0
30	Achakzai, W.M., S. Saddozai, W.A. Baloch, Z. Masood, H. Rehman, M. Ain	Food and feeding habits of <i>Glossogobius giuris</i> (Hamilton and Buchanan, 1822) collected from Manchar Lake distt. Jamshoro, Sindh, Pakistan.	Global Veterineria	2015	Impact Factor	14	613- 618
31	Siddiqui I.	Characteristics of pores and its effect on probable occurrence of coalbed methane in Thar coalfield- Pakistan.	Canadian Jour. Pure and Applied Sciences	2015	Impact factor 2.988	09 (2)	346 1- 346 5
32	Shaikh T., Ayman Nafady, Farah N., Talpur, S., Agheem, M.H., M.R. Shah, S.T.H Sherazi, R.A. Soomro, S. Siddiqui,	Tranexamic acid derived gold nanoparticles modified glassy carbon electrode as sensitive sensor for determination of nalbuphine, Sensor and Actuators B:		2015	Impact factor: 4.097		359- 369
33	MU Syed, AA Chandio, MW Khan, T Zahid, F Muhammad	A Study of Distinctive Localization and Navigation Methods for Mobile Robots	International Journal of Computing and Digital Systems IJCDS	2015	INSPEC	4(3)	201- 208
34	AA Chandio, N ziritas, CZ Xu	Big Data processing Techniques and Their challenges in Transport Domain	ZTE Communic ations	2015	INSPEC CNKI	13(1)	50- 59

35	Dr. Naimatullah Shah	The Role of Employees' Trust in Management and Supervisors on Developing Attitudes and Behaviours towards Organisational Change	International Journal of Management Science	2015	International	Vol.4, No.8.	333-342
36	Dr. Naimatullah Shah	The Impact of Dispositional Traits and Job Satisfaction on Employee Turnover Intentions	International Journal of Management Science and Business Research	2014	International	Vol.3, No.12	63-69
37	Dr. Naimatullah Shah	The Relationship of Slack Resources with Subjective Wellbeing at Work: Empirical Study of Sugar Mills from Pakistan	International Strategic Management Review	2014	International	Vol.2	89-97
38	Dr. Naimatullah Shah	The Relationship between organisational justice and ethical behaviour: A Conceptual Approach	International Journal of Business and Management Study	2014	International	Vol.1 No.2	65-68
39	Dr. Naimatullah Shah	The Significant of Awareness About Selection and Recruitment Processes in Students' Career Decision Making	European Scientific Journal	204	International	Vol.10, No.14	536-552
40	Dr.Sirajul Haq	Grid Technology And its Strategic Adoption in Various Industries	International Journal of Computer Science and Software Engineering (IJCSSE).	2015	International	Vol.4	
41	Dr.Sirajul Haq	Impact of Self and Group Study on Learning Abilities of Students	International Journal of Case studies (USA based)	2015	International	Vol.4	
42	Dr.Sirajul Haq	Organizational Theories and Organization: Comparative Analysis of key perspectives of Rational, Natural and Open System on Organization	International Journal of Case studies	2015	International	Vol.4	

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43	Dr.Sirajul Haq	Democracy Towards Good Governance: Study of Critical Factors distressing the democracy in Pakistan	International Journal of Case Studies (USA based)	2014	International	Vol.3	
44	Dr.Sirajul Haq	Employees Job Satisfaction: Analyzing the Satisfaction by length of Service and Employment status	International Journal of Management Sciences and Business Research.	2014	International	Vol.3	16-24
45	Dr.Sirajul Haq	Modern Organization Theory: Analyzing the Complexity of Coordination and Cooperation in the Modern organizations	International Journal of Management and Sustainability.	2014	International	Vol. 3	261-268
46	Dr.Sirajul Haq	Theories of Knowledge: A Critical Examination of the validity of different kinds of Explanations	International Journal of Management and Sustainability.	2014	International	Vol.3	384-392
47	Dr.Sirajul Haq	E-Government Towards Good Governance : A Framework for Digital Governance.	International Journal of Management Sciences and Business Research.	2014	International	Vol.3	32-39
48	Dr. M. Sharif Abbasi	<i>Social, Organizational, Demography and Individuals' technology acceptance behaviour: A conceptual model</i>	European Scientific Journal	2015	International	vol.11, No.9	
49	Dr. M. Sharif Abbasi	Impact of Individualism and Collectivism over the Individual's Technology Acceptance Behaviour: A Multi-Group Analysis between Pakistan and Turkey	Journal of Enterprise Information Management	2015	International	Vol, 28, Iss: 6	747-768

50	Dr. M. Sharif Abbasi	A Critical Review of Theories and Models of Technology Adoption and Acceptance in Information System Research	International Journal of Technology Diffusion	2015	International	6 (4)	
51	Dr.Sirajul Haq	National Disaster Management Authority in Pakistan: Role of Pakistan Army in Disaster Management	Journal of Social and Administrative Sciences	2015	ISI	Vol.2	
52	Dr.Sirajul Haq	Corporate Governance in Public Sector Organizations: A Critical Analysis of Hyderabad Electric Supply Company	Asian Academic Research Journal of Multidisciplinary.	2015	ISI	Vol.1	
53	Dr.Sirajul Haq	Public Policy Process & Practice in Pakistan: Key causes of Public Policies Failures	Journal of Social and Administrative Sciences	2015	ISI	Vol. 2	
54	Dr.Sirajul Haq	Local Government system in Pakistan: Causes of bad Governance in Local Governance	Journal of Social and Administrative Sciences	2015	ISI	Vol. 2	
55	Dr.Sirajul Haq	Globalization and Modern Marketing Practices in Pakistan	Asian Academic Research Journal of Social Science and Humanities	2014	ISI	Vol.1	
56	Dr.Sirajul Haq	E-Government Technology for the Good Governance: Enhancing Governance Capability of Public Sector Organizations	Asian Academic Research Journal of Multidisciplinary.	2014	ISI	Vol.1	
57	Z Bhatti, A Shah, A Waqas, M Karbasi	Automated Animation of Quadrupeds Using Procedural Programming Technique	Asian Journal of Scientific Research. ISSN: 1992-1454	2015	ISI	8 (2)	165 - 181
58	Z Bhatti, A Waqas, IA Ismaili, DN Hakro, WJ Soomro	Phonetic based SoundEx & ShapeEx algorithm for Sindhi Spell Checker System	Adv. Environ. Biol.,	2014	ISI	8(4)	114 - 7-

							ISSN:1995-0756	115 5
59	Muneer, Saba, Shahabuddin Memon, Qadeer Khan Panhwar , Faryal Khushik, Tahira Sarwar Khokhar, and Agha Asad Noor	Synthesis and Antimicrobial Activity of p-tetranitrocalix [4] arene Derivative	Polycyclic Aromatic Compounds	2015	ISI	1-10.		
60	Majidano, Subhan Ali, Muhammad Yar Khuhawar, Abdul Hamid Channar, Taj Muhammad Jahangir, Moina Mughol , and Abdul Majid Channa	GC analysis of guanidino compounds in serum and urine of healthy volunteers and uremic patients using methylglyoxal and ethyl chloroformate as derivatizing reagent	Analytical Methods	2015	ISI	7, no. 18		772 4- 773 2
61	Arain, Mariam S., Salma A. Arain, Tasneem G. Kazi, Hassan I. Afridi, Jamshaid Ali, Sadaf S. Arain, Kapil Dev Brahman, and Moina Akhtar Mughal	Temperature controlled ionic liquid-based dispersive micro-extraction using two ligands, for determination of aluminium in scalp hair samples of Alzheimer's patients: A multivariate study	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2015	ISI	137		877- 885
62	Parveen, Sajida, Ali Nawaz Siyal , Najma Memon, Saima Qayoom Memon, and Muhammad Yar Khuhawar	Extraction and Determination of Phenolic Acids and Vitamin B of Sieved and Unsieved Wheat Grain by MEKC	Journal of Liquid Chromatography & Related Technologies	2015	ISI	38, no. 1		143- 152
63	Majidano, S. A., Khuhawar, M. Y., Zounr, R. A., Channar, A. H., Jahangir, T. M., & Mughal, M	Determination of amino acids in jams, fruits and pharmaceutical preparations by gas chromatography using trifluoroacetylacetone and ethylchloroformate as derivatizing reagents	Analytical Methods	2015	ISI	7(7)		314 8- 315 6
64	Memon, Almas F., Amber R. Solangi, Saima Q. Memon, Arfana Mallah , and Najma Memon	A MEKC method for naringenin from natural and biological samples	Anal. Methods,	2015	iSI	7, no. 11		452 1- 452 7
65	Soomro, Razium Ali, Zafar Hussain Ibupoto , Muhammad Ishaq Abro, and Magnus Willander	Electrochemical sensing of glucose based on novel hedgehog-like NiO nanostructures	Sensors and Actuators B: Chemical	2015	iSI	209		966- 974
66	Ibupoto, Zafar Hussain, Aynam Nafady, Razium Ali	Glycine-assisted synthesis of NiO hollow cage-like	RSC Advances	2015	ISI	5, no. 24		187 73-

	Soomro, Syed Tufail Hussain Sherazi, Muhammad Ishaq Abro, and Magnus Willander	nanostructures for sensitive non-enzymatic glucose sensing					187 81
67	Soomro, Razium Ali, Zafar Hussain Ibupoto , Muhammad Ishaq Abro, and Magnus Willander	Controlled synthesis and electrochemical application of skein-shaped NiO nanostructures	Journal of Solid State Electrochemistry	2015	ISI	19, no. 3	913-922.
68	Soomro, Razium Ali, Zafar Hussain Ibupoto , Syed Tufail Hussain Sherazi, Muhammad Ishaq Abro, Magnus Willander, Sarfaraz Ahmed Mahesar, and Nazar Hussain Kalwar	Glycine-assisted preparation of Co ₃ O ₄ nanoflakes with enhanced performance for non-enzymatic glucose sensing	Materials Express	2015	ISI	5, no. 5	437-444
69	Soomro, Razium Ali, Aynam Nafady, and Zafar Hussain Ibupoto . "Sirajuddin, Syed Tufail Hussain Sherazi, Magnus Willander, Muhammad Ishaq Abro	Development of sensitive non-enzymatic glucose sensor using complex nanostructures of cobalt oxide	Materials Science in Semiconductor Processing	2015	ISI	34	373
70	Khun, Kimleang, Sami Elhag, Zafar Hussain Ibupoto , Volodymyr Khranovskyy, Omer Nur, and Magnus Willander	Supramolecules-assisted ZnO nanostructures growth and their UV photodetector application	Solid State Sciences	2015	ISI	41	14-18.
71	Soomro, Razium Ali, Aynam Nafady, Zafar Hussain Ibupoto , Syed Tufail Hussain Sherazi, Magnus Willander, and Muhammad Ishaq Abro	Development of sensitive non-enzymatic glucose sensor using complex nanostructures of cobalt oxide	Materials Science in Semiconductor Processing	2015	ISI	34	373-381
72	Balouch, Quratulain, Zafar Hussain Ibupoto , Ghulam Qadir Khaskheli, Razium Ali Soomro, Muhammad Kashif Samoon, and Vinod Kumar Deewani	Cobalt Oxide Nanoflowers for Electrochemical Determination of Glucose	Journal of Electronic Materials	2015	ISI	44, no. 10	372-4-373 2
73	Elhag, Sami, Zafar Hussain Ibupoto , Volodymyr Khranovskyy, Magnus Willander, and Omer Nur	Habit-modifying additives and their morphological consequences on photoluminescence and glucose sensing properties of ZnO nanostructures, grown via aqueous chemical synthesis	Vacuum	2015	ISI	116	21-26
74	Hu, Zhenzhen, Jian Chen, Wenying Li, Yan Wang, Yongxin Li, Lijia Sang,	Label-free fluorescence turn-on detection of microRNA based on	Analytica chimica acta	2015	ISI	895	89-94

	Juanmin Li, Qingfeng Zhang, Zafar Hussain Ibupoto , and Cong Yu	duplex-specific nuclease and a perylene probe					
75	Soomro, Razium Ali, Qurratlein Baloach, Aneela Tahira, Zafar Hussain Ibupoto , Ghulam Qadir Khaskheli, Vinod Kumar Deewani, Keith Richard Hallam, Kausar Rajar, and Magnus Willander	Rice-like CuO nanostructures for sensitive electrochemical sensing of hydrazine	Microsystem Technologies	2015	ISI	42377	
76	Soomro, Razium Ali, Keith Richard Hallam, Zafar Hussain Ibupoto , Aneela Tahira, Sana Jawaid, Syed Tufail Hussain Sherazi, and Magnus Willander	A highly selective and sensitive electrochemical determination of melamine based on succinic acid functionalized copper oxide nanostructures	RSC Advances	2015	ISI	5, no. 127	105 090-105 097
77	Soomro, Razium Ali, Zafar Hussain Ibupoto , Syed Tufail Hussain Sherazi, Muhammad Ishaq Abro, and Magnus Willander	Practice of diclofenac sodium for the hydrothermal growth of NiO nanostructures and their application for enzyme free glucose biosensor	Microsystem Technologies	2015	ISI	1-9	
78	Soomro, Razium Ali, Qurratlein Baloach, Aneela Tahira, Zafar Hussain Ibupoto, Ghulam Qadir Khaskheli , Vinod Kumar Deewani, Keith Richard Hallam, Kausar Rajar, and Magnus Willander	Rice-like CuO nanostructures for sensitive electrochemical sensing of hydrazine	Microsystem Technologies	2015	ISI	1-8	
79	Afridi H, Kazi T, Talpur F, Kazi A, Arain S, Arain S, et al	Assessment of selenium and mercury in biological samples of normal and night blindness children of age groups (3–7) and (8–12) years	Environ Monit Assess		ISI	187(3)	1-11
80	Afridi H, Talpur F, Kazi T, Brabazon D	Estimation of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish smoker rheumatoid arthritis consumers.	Environ Monit Assess		ISI	187(4)	1-16
81	Afridi H, Talpur F, Kazi T, Brabazon D	Effect of Trace and Toxic Elements of Different Brands of Cigarettes on the Essential Elemental Status of Irish Referent and Diabetic Mellitus Consumers	Biol Trace Elem Res		ISI	167(2)	209-24

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82	Afridi HI, Kazi TG, Talpur FN, Brabazon D	Estimation of aluminum, arsenic, lead and nickel status in the samples of different cigarettes and their effect on human health of Irish smoker hypertensive consumers	Clinical Laboratory	ISI	61(9)	114-7-56
83	Afridi HI, Kazi TG, Talpur FN, Naher S, Brabazon D	Evaluation of trace and toxic elements in the samples of different cigarette and their impact on human health of diabetes mellitus patients	Clinical Laboratory	ISI	61	123-40
84	Afridi HI, Talpur FN, Kazi TG, Brabazon D	Assessment of toxic elements in the samples of different cigarettes and their effect on the essential elemental status in the biological samples of Irish hypertensive consumers	J Hum Hypertens	ISI	29(5)	309-15
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185	Dr. Nadir Ali Birmani Assistant Professor (TTS)	First record of genus <i>Thaparotrema</i> Gupta, 1955 (Trematoda: Ophisthorchiidae) in	Journal of Entomology and Zoology	2015	Thomson Reuters Indexed	3(6)	232-234

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286	Jamil R. Memon et al.,	Adsorption of Selected Pesticides from Aqueous Solutions Using Cost effective Walnut Shells	IOSRJEN	2015	04 (10) (2014) 43-56. ISSN (e): 2250-3021, ISSN (p): 2278-8719.
287	Syed Karim Bux Shah	Exchange-rate variability and industry trade flows between Malaysia and Japan	The Journal of International Trade & Economic Development: An International and Comparative Review	2015	
288	Prof. Dr.Nagina Parveen ,Muniza Malik	Intrinsic motivation of the high and low academic achievers "	American Journal of Educational Research	2015	Vol-3, No. II p-281-1283
289	Subhopoto, Nisar Ahme	An evaluation study of Internet use by faculty members of public sector Universities in Peshawar	International Journal of Academic Library and Information science	2015	4.188 3(3) 89-96

2.4 CONFERENCES, SEMINARS AND WORKSHOPS ETC

The University of Sindh organized the following Conferences, Workshops and Trainings Programs during the year:

S. No.	Title of Conference	Venue	Conference Date	
			Start Date	End Date
1	14th Biennial International Conference of Pakistan Physiological Society	University of Sindh and ISRA University Hyderabad	27th March 2015	29th March 2015
2	Multidisciplinary International Conference on Social Issues in Far East & South East Asia	Area Study Centre	11-May-15	12-May-15

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3	1st Indigenous on campus training	Video Conference Room Faculty of Natural Sciences	29th Sep;2014	3rd Oct2014
4	2nd Indigenous on campus training	Video Conference Room Faculty of Natural Sciences	18th May 2015	22nd May 2015
5	3rd Indigenous on campus training	Video Conference Room Faculty of Natural Sciences	25th May 2015	29th May 2015
6	4th Indigenous on campus training	Video Conference Room Faculty of Natural Sciences	1st June 2015	5th June 2015
7	5th Indigenous on campus training	Video Conference Room Faculty of Natural Sciences	9th June 2015	12th June 2015
8	Training of Trainers (TOT) on Agricultural Development	Sindh Development Study Center University of Sindh	15th Dec 2014	20th Dec 2014
9	Two days workshop on TEACHING AS A PROFESSION" in collaboration with Higher Education Commission, Pakistan and AI-Mehran Rural Development Organization NGO	Nelson Mandela Hall, Arts Faculty Building- University of Sindh. Jamshoro	18th Nove 2014	19th Nove 2014

FAR EAST AND SOUTH EAST AREA STUDY CENTRE

The following Conferences were organized by Far East and South East Area Study Centre, University of Sindh

S. No.	Title of Conference/ Seminar/ Workshop	Venue	Conference Date	
			Start Date	End Date
1	New Emerging Trends of Pakistan Indonesia Cooperation	Area Study Centre	April 6, 2015	April 6, 2015
2	Multidisciplinary International Conference on Social Issues in Far East & South East Asia	Area Study Centre	May 11, 2015	May 12, 2015
3	Pak-China Strategic Partnership and its Regional Implications	Senate Hall, University of Sindh	Sept. 7, 2015	Sept. 8, 2015
4	'Sino-US Quest for Asean Cooperation: Impact on Regional Security'	Senate Hall, University of Sindh	Nov. 18, 2015	Nov. 18, 2015

5	Lecture Investigation Techniques used for Probing Criminal Cases	Area Study Centre	Feb. 3, 2015	Feb. 3, 2015
6	Japan's Recent Diplomatic Policy	Area Study Centre	Nov. 18, 2014	Nov. 18, 2014

Following Conference were attended by the Faculty Members of Area Study Centre:

Professor Dr. Hamadullah Kakepoto, Director, Area Study Centre

- International Conference on *"Migration Education and Development in South Asia"* at Quaid-i-Azam University Islamabad, March 27-28, 2014, organized in collaboration with Higher Education Commission, Islamabad, British Council and University of Sussex, UK.
- 6th South Asian International Conference *"Ingenuity, Integration, and Inspiration: The Survival of the Fittest"*, August 11 – 13, 2014, organized by COMSATS Institute of Information Technology, Islamabad.
- One-day International Seminar on *"New Emerging Trends of Pakistan-Indonesia Cooperation: Challenges and Opportunities"* organized by Area Study Centre Fareast & Southeast Asia, University of Sindh Jamshoro on Monday April 6, 2015.
- Two-day Multidisciplinary International Conference on *"Social Issues in Far East & South East Asia"* organized by Area Study Centre, Far East & South East Asia, University of Sindh, Jamshoro, on May 11 - 12, 2015
- 17th Annual International Conference on *"Social Issues of Fareast & Southeast Asia Region with Special Focus on Pakistan"*, 18 – 21 May, 2015, Organized by Athens Institute for Education and Research, Greece.
- Two-day International Conference on *"Pak-China Strategic Partnership & its Regional Implications"* organized by Area Study Centre, Far East & South East Asia, University of Sindh, Jamshoro, on September 7 – 8, 2015.
- 3rd East China Sea Rim and Boardline Forum *"Gender Disparity in Pakistan: Reality or Misconception"* Organized by East China Sea Rim Research Institute of Zhejiang Normal University (ECSR), China on 18-20 December, 2015.

Ghulam Murtaza Khoso, Assistant Professor, Area Study Centre:

- Participated in 4th International Conference on Human Values in Higher Education from 27 – 29 March, 2015 at Gaeddu College of Business Studies (Royal University of Bhutan)

Ms. Naureen Nazar Soomro, Assistant Professor, Area Study Centre:

- *"Transforming Children from Passive Recipients to Active Participants through Activity Based Learning in Primary School in Coastal Belt of Sindh, Pakistan"* in 3 Days 10th International Conference on Renewed Focus on Teacher, Teaching Quality and Learning: Localised Models and Practices, Organized by Aga Khan University, Institute for Education Development (AKU-IED), on 19 – 21 November, 2015.

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- Attended Stakeholder Consultation on “*Gender Equity Policy*” at Mehran University of Engineering & Technology, Jamshoro organized by USAID under U.S. Pakistan Centers for Advanced Studies in Water on November 4, 2015.
- 4-Days HEC Workshop “*Essentials of Entrepreneurship*” held on March 2 to 5, 2015, Organized by Faculty of Social Sciences, University of Sindh, Jamshoro – Pakistan in association with Higher Education Commission (HEC), Pakistan and Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro – Pakistan.
- 2-Day Workshop “*Teaching as a Profession*” on 19 - 20 November, 2014 organized by University of Sindh, Jamshoro – Pakistan under sponsorship of Higher Education Commission (HEC), Pakistan.

Mr. Majid Ali Noonari, Lecturer, Area Study Centre

- “*India as a Linchpin of US Strategy in Asia Pacific and Policy Options for Pakistan*” Two-Days International Conference on Emerging Security Order in Asia Pacific and Its impact on South Asia, Organized by Islamabad Policy Research Institute (IPRI) on November 17 – 18, 2015.
- Two-Days Workshop “*Practical Research Methods*”, held on September 16 – 17, 2015, Organized by Pakistan Study Centre, University of Sindh, Jamshoro.

Mr. Ronaque Ali Behan, Lecturer, Area Study Centre

- Two-Days Workshop “*Practical Research Methods*”, held on September 16 – 17, 2015, Organized by Pakistan Study Centre, University of Sindh, Jamshoro.

INSTITUTE OF ENGLISH LANGUAGE AND LITERATURE

The Faculty Members of Institute of English Language and Literature, University of Sindh attended various conferences list below:

- Memon. Rafiq. A, 'Use of teacher power in traditional classes' has been accepted for the Canada International Conference on Education (CICE-2015) at the University of Toronto, Mississauga, Canada, to be held 22-25 June 2015
- Altaf,S.(2014). 'Impact of Classroom Activities on English Language Learning'. Paper presented at the Access Teachers' Conference -Best Practices in Access Classrooms- Karachi,Pakistan, 19 April 2014.
- Umrani, S. (2015). English Language Learner Identity in Postcolonial Pakistan: An Instrumental Case Study. Edinburgh TESOL and Applied Language Seminar. (14th October). The University of Edinburgh, UK
- Umrani, S. (2015). English Language and Identity: A Case Study of the University of Sindh. 11th Annual Conference of the BAAL Language Learning and Teaching SIG. (2-3 July). The University of Edinburgh, UK
- Umrani, S. (2015). English Language Learning and Social Identity. PhD. Presentations, The Moray House School of Education. (12th March). The University of Edinburgh, UK

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- Bughio, Faraz, (2014), "Communication Skills-Writing Skills", "Liaquat University of Medical and Health Science, Jamshoro'

INSTITUTE OF GENDER STUDIES

NAJMA GOPANG ATTENDED THE FOLLOWING SEMINARS, TRAININGS, WORKSHOP AND CONFERENCES IN 2014-2015:

- Attended **One Day** international conference on “**living to gather in peace and Harmony**” 28th January 2014 at University of Karachi Campus. Organized by
- Attended **One Day** awareness walk on “**World Cancer Day**” 6th February, 2014. Organized by Pakistan Atomic Energy Commission Nuclear Institute of Medicine & Radiotherapy (NIMRA) Liaquat University of Medical & Health Science (LUMHS) Jamshoro Sindh Pakistan.
- Attended **One Day Seminar** 12th July 2014, “**puzzles to GRE**” organized by Jamali Ali Hussain Development organization (JAHDO) NGO Hyderabad Sindh.
- Attended **One Day** awareness seminar 30th November 2014 on “**eve of world AIDS day**” organized by Sindh Health Education Development Society (SHEDS) NGO Hyderabad Sindh.
- Attended **One Day** Awareness walk and seminar on “**WORLD CANCER DAY**” on 6th February 2014 organizes by Pakistan Atomic Energy Commission Nuclear Institute of Medicine & Radiotherapy (NIMRA) Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro Sindh Pakistan
- Attended lecture presentation on “The increasing effects of Arthritis on human beings” on 29th September 2015, at Center of Physical Education Health and Sports Science University OF Sindh, Jamshoro.

SADAF SAEED ATTENDED SEMINARS, TRAININGS, WORKSHOP AND CONFERENCES IN 2014-2015.

- Attended one day Awareness walk and seminar on “**WORLD CANCER DAY**” on 6th February 2014 organizes by Pakistan Atomic Energy Commission Nuclear Institute of Medicine & Radiotherapy (NIMRA) Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro Sindh Pakistan
- Attended lecture presentation on “The increasing effects of Arthritis on human beings” on 29th September 2015, at Center of Physical Education Health and Sports Science University OF Sindh, Jamshoro.
- Attended two days training workshop on “**Practical Research Methods**” held on 16th, 17th September 2015 Pakistan Study Centre University of Sindh, Jamshoro.

AFTAB RAJAR ATTENDED SEMINARS, TRAININGS, WORKSHOP AND CONFERENCES IN 2014-2015

- Attended two days training workshop on “**Practical Research Methods**” held on 16th, 17th September 2015 Pakistan Study Centre University

HUNAIN TARIQUE SHAHANI ATTENDED SEMINARS, TRAININGS, WORKSHOP AND CONFERENCES IN 2014-2015

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- Attended two days training workshop on “Practical Research Methods” held on 16th, 17th September 2015 Pakistan Study Centre University.
- Participated in Five days training of Facilitators on “Active Citizens” by British Council held on 18th September 2015 at University of Sindh, Jamshoro.
- Attended two days conference on “Women in Development” held on 11th and 12th November 2015 at Institute of Business Management Karachi.

NATIONAL CENTRE OF EXCELLENCE IN ANALYTICAL CHEMISTRY

The following activities were organized during 2015 by the Centre:

- **NCEAC Lecture Series**
- **Prof. Haci Mehmet Doğan** from Hacettepe University, Ankara, Turkey delivered a lecture on “*Development and current status of Science in Muslim Countries*”.
- **Prof. Irshad Hussain** from Lahore University of Management Sciences delivered a lecture on “*Functionalized metal nanoparticles/nanoclusters - synthesis and applications in biosensing and disease diagnostics*”.
- **Prof. Pervaiz Masood** from Department of Chemistry, University of Calgary, Alberta, Canada delivered lecture on “*X-ray Crystallography*”.
- **Workshops Organized**
- **Application of Bio-analytical Techniques in the field of Physiology**

National Center of Excellence in Analytical Chemistry jointly organized with ISRA University a one day workshop on “**Application of Bio-analytical Techniques in the field of Physiology**”. The participants were given demonstrations on different analytical instruments present in this Center.

- **Workshop organized by Baoma Oil & Fats Co., Ltd. China**

Prof. Tufail Hussain Sherazi was invited as speaker in “Workshop organized by Baoma Oil & Fats Co., Ltd. China”. He delivered lecture on “*Improvements in designing and pressing in Solvent Extraction Plant*”.

- **2nd International Conference on Agriculture, Food and animal Sciences**

Dr. Farah Naz Talpur attended “2nd International Conference on Agriculture, Food and animal Sciences” from 25-26 February 2015. The conference was organized by Department of Food Technology, Sindh Agriculture University Tandojam.

- **3rd International Conference on Energy & Environment: Innovation, Research & Sustainability (ICEE'15)**

Dr. Farah Naz Talpur attended “3rd International Conference on Energy & Environment: Innovation, Research & Sustainability (ICEE'15)” from 12 - 14 March, 2015. The conference was organized by Energy & Environment Engineering Department, QUEST, Nawabshah, Pakistan.

PAKISTAN STUDY CENTRE

Pakistan Study Centre also played a big role in organizing several Seminars and Conferences in the ideology of Pakistani Culture.

Title of Conference/ Seminar/workshop	Venue	Date
Quantitative Research & Data Analysis	Pakistan Study Centre, Jamshoro	23.04.2014
Start-Up and Management of Retail/Distribution Businesses	Pakistan Study Centre, Jamshoro	27.09.2014
3-Day Book Fair	Pakistan Study Centre, Jamshoro	17.08.2015 to 19.08.2015
Two-Nation Theory: Analysis and Implications	Pakistan Study Centre, Jamshoro	25.08.2015
Practical Research Methods	Pakistan Study Centre, Jamshoro	16.09.2015 to 17.09.2015
Political Philosophy of Allama Iqbal	Pakistan Study Centre, Jamshoro	09.11.2015
Job Hunting and Career Counseling	Pakistan Study Centre, Jamshoro	16.11.2015

FACULTY OF PHARMACY

2nd National Seminar on "Career Counselling/Guidance for Pharmacist" at Faculty of Pharmacy, University of Sindh Jamshoro was organized on 25th October, 2014.

DEPARTMENT OF POLITICAL SCIENCE

The following Workshops and Lecture Series Programs were organized by Department of Political Science

Title of Conference/ Seminar/ Workshop	Venue	Workshop/ Lecture Date	
		Start Date	End Date
One day workshop on 'Research Methods'	Nelson Mandela Hall Arts Faculty	29-04-014	29-04-2014
"Contemporary Global Politics in the Changing Scenario of Asia" (Lecture Series Program)	Nelson Mandela Hall Arts Faculty	08-09-014	08-09-2014

2.5 RESEARCH JOURNALS

The University of Sindh publishes 12 Research Journals in various Categories by various Institutes/ Centres/ Departments of the University.

Sindh University Research Journal - SURJ (Science Series)



SURJ is recognized in 'X Category', by Higher Education Commission of Pakistan (HEC)

Published regularly since 1964, disseminating essentially the research output of the Faculty of Natural Sciences, SURJ also accepts manuscripts from other authors in all disciplines of science.

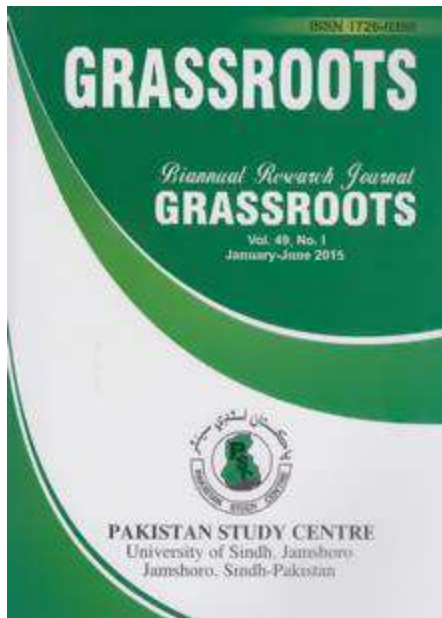
The Journal is supported financially by HEC Islamabad. The Journal is recognized by HEC as multidisciplinary Journal under category "X". The Journal is free access Journal and publishes papers free of cost.

On receipt and browse by the editor scientific sense the manuscript is issued an acknowledgement and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

The journal publishes original papers, reviews, current research notes and short communications. Reviews are selected on invitation, in case and author wishes to write a review, he/she should contact the Editor-in-Chief for consultation. All papers are subject to peer review by two independent referees.

Prof. Dr. M. Y. Khuhawar (S.I)
Executive Editor

Grassroots



The journal *Grassroots* is recognized in 'Z category' by the Higher Education Commission of Pakistan (HEC)

Grassroots is published regularly since 1977 and circulating fundamentally the research output of the Faculty of Social Sciences. *Grassroots* also accepts manuscripts from other scholars in all disciplines of social science to explore various aspects of the regional hues especially the distinctive features of the languages, literatures, social structure, customs attitudes and motivation, of the people of various regions of Pakistan for the munificence of the world community. The sole purpose is to disseminate the political, cultural, historical, geographical, socio-economic and allied aspects of Pakistan.

The journal is supported financially by Higher Education Commission, Islamabad. The journal is recognized by Higher Education Commission as multidisciplinary journal under category 'Z'. The journal is free access and publishes papers free of cost. The research papers are contributing almost entirely by the eminent scholars who have

discussing in these articles some of the aspects of the research they engaging in.

On receipt and browse by the editor systematic sense the manuscript is issue an acknowledgment and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

The journal publishes original papers, reviews, current research notes and short communications. Reviews are selected on invitation, incase and author wishes to write a review, he/she should contact the Editor and Co-Editor for consultation. All papers are subject to scanning anti-plagiarism through an authentically software '*Turnitin*' of the University of Sindh and peer review by two (overseas and national) independent referees.

Prof. Dr. Farzana Baloch is the Editor of this Journal

International Research Journal of Arts & Humanities (IRJAH)

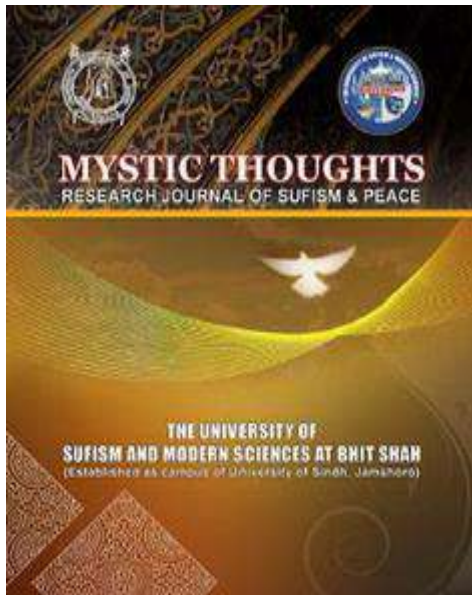


We are pleased to inform all the concerned that since the announcement of publication of International Research Journal of Arts and Humanities (IRJAH) by Faculty of Arts, University of Sindh on various websites including Higher Education Commission and broadened its scope. We have been receiving large number of articles from all corners of the world.

We therefore request the scholars, researchers and experts in the field of Arts and Humanities to kindly offer their services to work as an expert on any field of their choice given below to review/evaluate the articles received for publication: Anthropology, Pakistan studies, Archeology Architecture, Art, Art History, English, Ethnic Studies, Dance, Film, Folk Lore, Geography, Geographic Design, History Landscape Architecture, Languages, Literature, Linguistics, Music, Performing Arts, Philosophy, Postcolonial Identities, Product Design, Religion, Second Language Studies, Speech/Communication, Theater, Visual Arts, other Areas of Arts and Humanities and cross disciplinary areas of the above related to each other.

Names of the experts will be incorporated in the Scientific Committee of the Research Journal.

Mystic Thoughts - Research Journal of Sufism and Peace



The society of Pakistan is striking by the rising turmoil, lack of peace of mind, and insecure atmosphere persisting amongst the masses. The growing competition in socio-economic spheres and increasing insecurity has created a stressed scenario for the common people.

The present image of Pakistani society is specifically marked by the growing tendencies towards an extremist mindset which is emerging and mounting with a steady pace. This state of affairs is now generating multiple questions which needed to be tackled with utmost awareness and countered with immediate solutions. In addition, the solution must be other than those of pertaining to the legislations, trials and punishments. The message and practices of our spiritual sufis for peace, harmony and love in the society has proved to be more influential than any legislation Sufism is an evolving field of study all around the world as an academic discipline dealing with the adopting of Sufi practices to resolve conflicts, achieve peace and harmony and ultimately attain a world

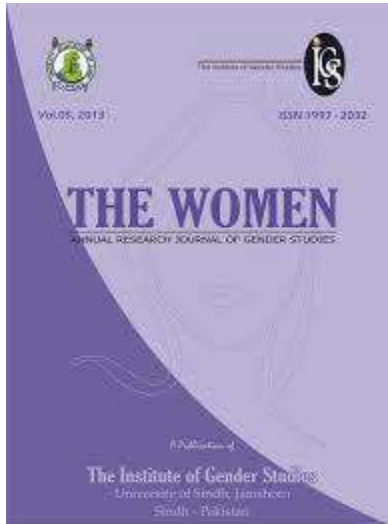
characterized with the observance of the human values as a necessary part of our daily lives.

The University of Sufism And Modern Sciences at Bhit Shah is also one of the major endeavors to disseminate awareness about Sufi practices leading to peace and harmony, and guidance how to make it an essential part of societal practices.

This journal is being published from the platform or University of Sufism and Modern Sciences at Bhit Shah which is the first university on Sufism in Pakistan, and first in Asia offering Masters Degree Program in Sufism. The journal is extensive in its scope for the contribution from entire research community. It offers a wide range of issues especially focusing on Sufism, Peace, Conflict Resolution, current affairs, and other topics related to social sciences.

The Editorial team welcomes the writers / scholars to avail the platform for contributing on issues relating to Sufism and other Socio-political themes.

The Women - Annual Research Journal of Gender Studies



The main focus of the journal is to promote consciousness and awareness about gender equity and balance in human interaction including academic work. The Women Journal provides a forum for the presentation of scholarship and criticism about women and gender in the fields of literature, history, art, sociology, law, political science, economics, anthropology and the other sciences. The Women also publish research papers / review of books, film and theatrical performances / reports on national and international conferences, symposia and workshops etc. It has a highly qualified Advisory Board with strong commitment to gender issues, representing academics and research from around the world, including Pakistan.

The Sindh University Journal of Education - SUJE

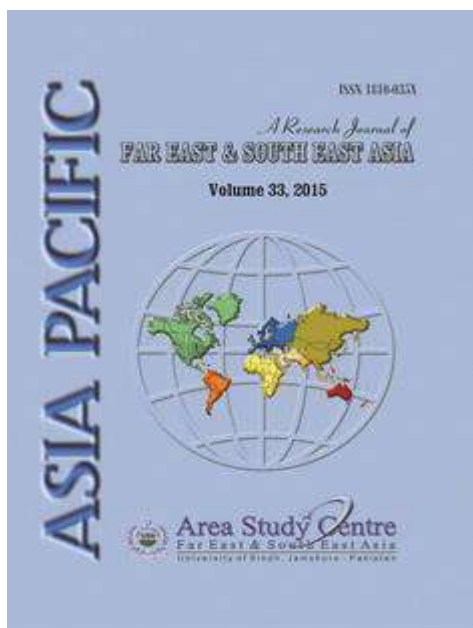


The Faculty of Education, University of Sindh since its inception has been working for enhancing the quality of teacher education and research in diversified domains. One of the prime goals of Faculty of Education has been to develop and promote a research culture in the field of education. For achieving this goal, it had launched Sindh University Journal of Education in 1955, First in Pakistan, The journal provides academic and scholarly platform to the researchers and educators to come forward and contribute their valuable piece of research work. SUJE publishes original, conceptual and research based articles related to all major areas of education in general and teacher education in particular in Pakistan context.

The journal provides insightful explorations and innovations in education related principles and practices. The Journal, however, prefers to publish articles whose primary purpose is to report the methods and results of an empirical study. The key audiences of journal are teacher educators, policy makers, researchers, curriculum

planners and managers at large.

The present issue of the journal is 44th since its launching. The journal abides by the set rules and regulations of Higher Education commission (HEC), Islamabad.



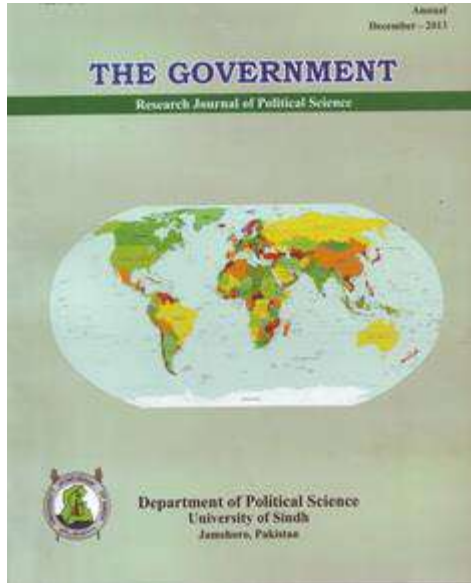
Asia Pacific - Annual Research Journal of Far East & South East Asia

The journal *Grassroots* is recognized in 'Z category' by the Higher Education Commission of Pakistan (HEC).

ASIA PACIFIC Research Journal of Far East & South East Asia is published annually by the Area Study Centre, Far East & South East Asia, University of Sindh, Jamshoro, Pakistan.

The major object of bringing out this journal is to provide a forum for scholars engaged in the study of the Far East & South East Asia region, especially in the field of Politics, Economics, History and Sociology.

The Government - Annual Research Journal of Political Science.



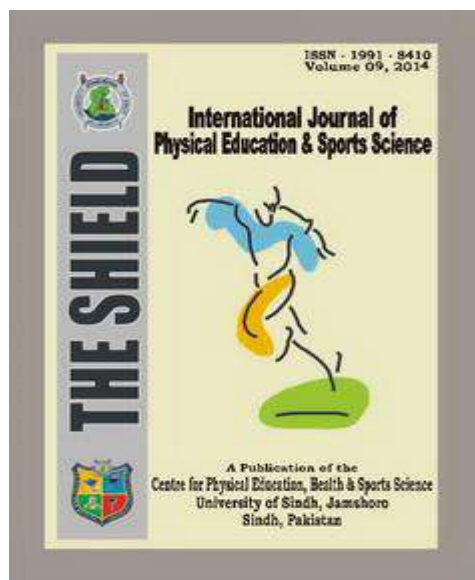
The Government is recognized in 'Z Category', by Higher Education Commission of Pakistan (HEC)

The Government offers an opportunity to the readers to be benefited from the advance knowledge and original research more frequently available to them. The collection of nine articles provides innovative research on variety of issues addressing Government, Media, History, Religion, National and International Politics.

The Government has always endeavored to maintain the high standard and proved to be an outstanding resource of publishing excellent quality research material. After getting included in EBSCO data-base, the government has recently been included in IPSA database (International Political Science Abstracts) also published by Sage, and marketed by both EBSCO and Ovid.

The journal is obliged to our national and international peer reviewers for their unconditional support in bringing out this supplementary edition almost immediately after the Vol III. Last but not the least, we are grateful to our whole editorial board for their continuous help and support in accomplishing the task efficiently.

We look forward to receive, research articles, positive criticism, feedback (if any) and suggestions for upcoming



The Shield - Research Journal of Physical Education & Sports Science.

The HEC recognized Research Journal on Physical Education & Sports Science entitled The Shield is published annually by the Centre for Physical Education, Health & Sports Science, functioning in the Faculty of Natural Sciences, University of Sindh, Jamshoro, Pakistan. The major objective of bringing out this journal is to provide a forum for the scholars engaged in the study of Physical Education, Health & Sports Science, and the scholars of other faculties will be considered if relate their subject matter with this important discipline.

Note:

*All statements of fact and opinions expressed in this journal are the sole responsibility of the authors, and do not imply any

endorsement on part or whole in any form or shape whatsoever by the editors or publisher.

Ulrich's Periodical Directory, New Jersey, U.S.A:

Research Journal- "The Shield" is listed and indexed in Ulrich's Periodical Directory, New Jersey, USA and the abstracts of the published articles are cited and printed electronically from its database directory (www.ulrichsweb.com).

Sports Information Resource Centre (SIRC), Ottawa, Canada:

The abstract, and indexation of the articles published in "The Shield" are also available at SIRC (Sports Information Resource Centre) Ottawa, Canada, can be viewed electronically (www.sirc.ca).

ProQuest, Wisconsin, USA:

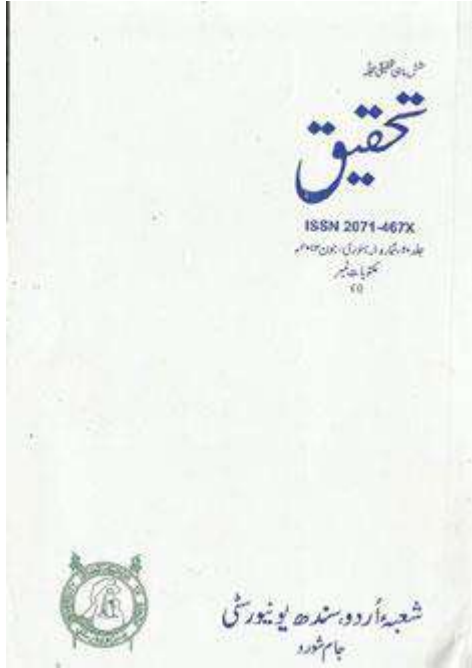
The Shield is indexed in Natural Science in ProQuest, publisher and distributor of secondary source reference databases and can be viewed electronically ProQuest - Physical Education Index | Title List (xls)

EBSCO, Massachusetts, USA:

SPORTS Discuss:

The abstract and indexation of the articles published in "The Shield" are also available at EBSCO Publishing, and can be viewed electronically EBSCO - EBSCOhost Online Research Databases: SPORTDiscus ...

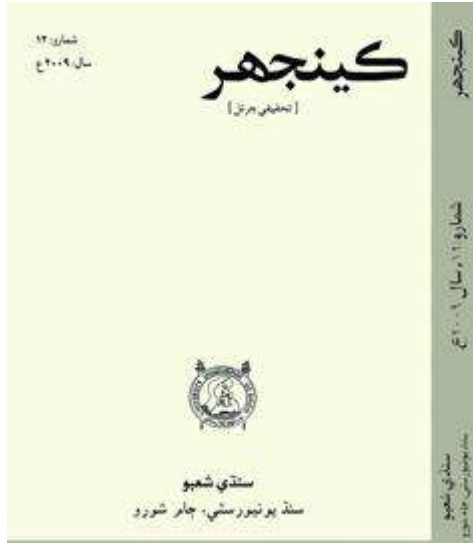
Tahqiq - Research Journal of Urdu Language & Literature



Sindh University's Urdu department is the pioneer when it comes to publishing a quality Urdu research journal. Its journal 'Tehqeeq', founded by Dr Najmul Islam, has now entered in its 25th year and it has come up with a voluminous 'Maktoobaat number', presenting some rare letters written by literary celebrities. Dr Javed Iqbal as editor of the journal has been successfully maintaining the high standard set by Dr Najmul Islam.

Publication of research journals is a welcome sign as this does point to the flourishing research culture in the country, albeit some of the research papers published have been written just for the sake of fulfilling the promotion criteria. One hopes that with the passage of time the threshold for accepting the papers for publication by these journals would be raised a bit further.

Keenjhar - Research Journal



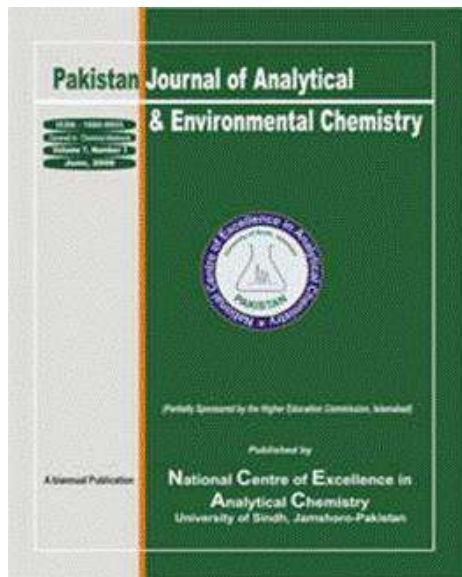
Keenjhar - Research Journal is an annual, open access, and peer-reviewed International Journal that is published by the Department of Sindhi, University of Sindh, Jamshoro, Pakistan. Keenjhar - Research Journal providing a platform for the researchers, academicians, professional, practitioners and students to impart and share knowledge in the form of high quality theoretical research papers, case studies, literature reviews and book reviews. Keenjhar - Research Journal welcomes and acknowledges high quality theoretical original research papers, case studies, review papers, literature reviews, book reviews, conceptual framework, analytical and simulation models, technical note from researchers, academicians, professional, practitioners and students from all over the world.

The Journal Publishes in both print and online version. Keenjhar - Research Journal publishes research paper in the field of Sindhi Literature.

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PAKISTAN JOURNAL OF ANALYTICAL & ENVIRONMENTAL CHEMISTRY

Two issue of the **Pakistan Journal of Analytical and Environmental Chemistry** had been brought in time. The copies of the journal were issued to all Universities and R&D organizations in the country and few abroad. The journal has now been recognized by the Higher Education Commission in “Y” category.



Available on line: <http://www.ceacsu.edu.pk/JOURNAL-1.htm>

CHAPTER-3: QUALITY ASSURANCE

3.1 IMPACT OF QUALITY ASSURANCE IN THE UNIVERSITY

The (PT) Program Team Members in all Departments have been nominated by their respective Heads of the Departments to fulfill various Quality Aspects of the University. In this regard, Self Assessment Reports have been prepared by majority of Departments and Survey Forms have been circulated to get feedback from Students about the Courses and the Faculty; and Quality Enhancement Cell is also developing Online Survey System to get feedback from Students and Faculty online. Faculty Survey is also performed annually through Google Forms and longitudinal data analysis is performed to get any mean differences among faculty satisfaction levels for each questionnaire annually.

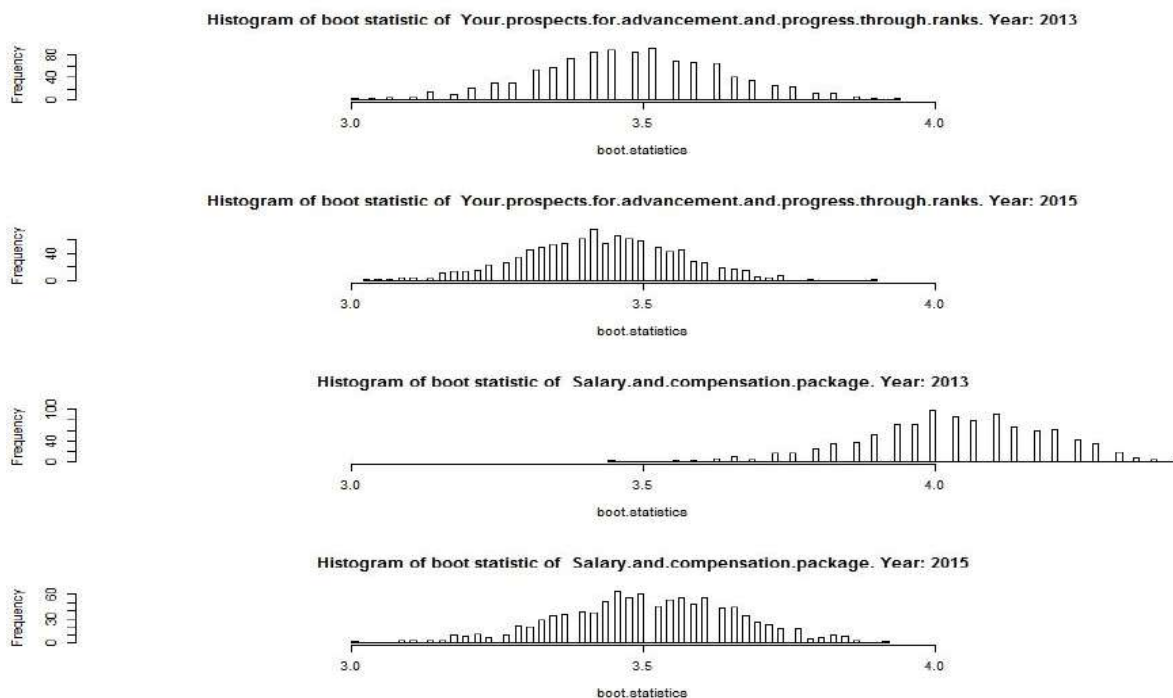


Figure: Plot showing two specimen questionnaires’ bootstrapped response from the years 2013 and 2015.

The Quality Coordinators have also been nominated in all departments whose major responsibilities are to monitor the Students’ Attendance System and take part in the ranking process of the University.

CENTRE FOR PHYSICAL EDUCATION, HEALTH AND SPORTS SCIENCES

BS-PESS (4 years syllabus) has been revised by Academic Council through Board of Faculty of Natural Sciences.

3.2 QUALITY ENHANCEMENT CELL

The Quality Enhancement Cell has been striving to uplift the Ranking of the University. In this regard, Students Attendance System has been developed and Campus Management Solution Software is under development.

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The Cell has also performed actively in the management and arrangement of several on-Campus Training Courses for Administrative, Supporting and Technical Staff of the University.





Picture: Closing Ceremony of 5th IOT held on 9-12th June 2015

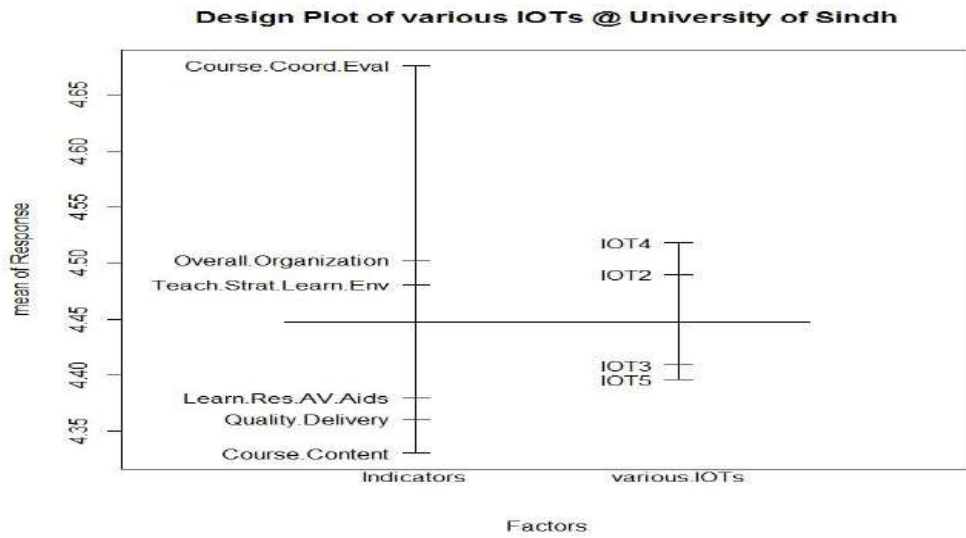


Picture: 3rd IOT (25th May- 29th May 2015)

The following Trainings were arranged/ attended by QEC :

- One Day Training on Preparation of SOPs and Use of Online Student Attendance System on July 8th 2014, Participants were all Quality Coordinators, University of Sindh Jamshoro
- One month's online course -Exploratory Data Analysis, via coursera.org June 18, 2014
- 1st (IOT) Indigenous on campus training for management cadere staff from sep 29 to oct 02, 2014 at video conference room, faculty of Natural Sciences
- 2nd Indigenous on campus training for management cadere staff from May 18 to May 22, 2015 at video conference room, faculty of Natural Sciences
- 3rd Indigenous on campus training for management cadere staff from May 25 to May 29, 2015 at video conference room, faculty of Natural Sciences
- 4th Indigenous on campus training for management cadere staff from June 01 to June 05, 2015 at video conference room, faculty of Natural Sciences
- 5th Indigenous on campus training for management cadere staff from June 09 to June 12, 2015 at video conference room, faculty of Natural Sciences

A post training evaluations of the Indigenous on-Campus Trainings were conducted and evaluated. The trainings were ranked according to various Indicators and several reports were generated. The following plot shows various training and indicator ranks in terms of mean responses given by the trainees.



MOU BETWEEN CIU-TRUCKING AND THE UNIVERSITY

With the endeavours of QEC, MOU has been signed between University of Sindh and CIU-Trucking



MoU Signing Between CIU-Trucking and University of Sindh

3.3 MEMBERSHIP OF ASSOCIATIONS/NETWORKS

QUALITY ENHANCEMENT CELL

Quality Enhancement Cell is member of the following Quality Networks

- Talloires Network
- Asia-Pacific Quality Network

FACULTY OF PHARMACY

Faculty of Pharmacy has membership of Pakistan Pharmacist Association

3.4 ACCREDITATION OF PROGRAMMES FROM RELEVANT COUNCILS

The following Programs have been accredited by various Councils of the University of Sindh

S. No.	Name of Discipline	Date on which accreditation approved	Name of Accreditation Council	Validity date
1	Doctor of Pharmacy	25th September 2008	Pakistan Pharmacy Council	2016
2	B.Ed (one year)	7th June 2013	NACTE	Jan-7,2016
3	M.Ed (one year)	7th June 2013	NACTE	Jan-8,2016
4	B.Ed (Hons) 4 years	7th June 2013	NACTE	22-Apr-16

CHAPTER-4: FACULTY DEVELOPMENT

4.1 FACULTY DEVELOPMENT PROGRAMMES(MS/PHD LOCAL+FOREIGN)

Following is the List of scholars who were awarded foreign PhD scholarship and have joined their place of studies under the HEC scheme titled **“Strengthening of University of Sindh Jamshoro”**

S.no	Name	Dept/ Subject	University Placement	Relieving date	Remarks/joining date
1	Ms. Sarwat Nizamani, Asst Prof,	Computer Science	Southern University, Denmark	13/04/2010	24/04/2014
2	Mr. Shoaib Karim Memon, Lecturer	IBA	Auckland University, New Zealand	7 August, 2010	
3	Ms. Shakeela Shah, Lecturer	Education	Putra University, Malaysia	30 June 2010	02/03/2015
4	Ms. Waheeda Bano Baloch, Lecturer	Arts & Design	Stockholm University, Sweden	15-01-2010	03/12/2014
5	Mr. Zafar Hussain Ibupoto, Lecturer	Chemistry	Linkoping University, Sweden	31 May 2010	28/4/2014
6	Mr. Mazhar Ali Abbasi, Lecturer	Physics	Linkoping University, Sweden	13 May 2010	25/03/2014
7	Mr. Muhammad Yousef Soomro, Lecturer	Physics	Linkoping University, Sweden	13 May 2010	14/7/2014
8	Ms. Arifa Bhutto, Asst. Professor	IT	Aalborg, University, Denmark	21st June 2010	22/06/2015
9	Mr. Ayaz Ahmed Chachar, Lecturer	Public Administration	University of Bedfordshire, UK	He has returned back with Mphil degree.	22/05/2013
10	Mr. Dil Nawaz Hakro, Lecturer	IT	University of Sains, Malaysia	05-05-2011	29/06/2015
11	Mr. Hakim Ali Mahesar, Asst. Prof.	Commerce	Bedfordshire University, UK	04-05-2011.	17/08/2015
12	Ms. Komal Ansari, Lecturer	English	Bedfordshire University, UK	05-05-2011	25/05/2015
13	Ms. Shumaila Memon, Lecturer	English	Bedfordshire University, UK	05-05-2011	06/4/2015

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14	Mr. Sanaullah Ansari, Lecturer	English	Bedfordshire University, UK	05-05-2011	17/8/2015
15	Mr. Mushraf Ali Talpur, Asst. Prof.	SDSC/ Economics	Virije university, Amsterdam, Netherlands	05-05-2011	Granted 5th year study leave
16	Mr. Bisharat Rasool, Lecturer	IICT	Southern University, Denmark	26/2/2011	Granted 5th year study leave
17	Mr. Ayaz Ahmed Mugheri, Assistant Professor	Philosophy	Katholic University, Belgium	22-08-2011	Granted 5th year study leave
18	Mr. M . Nawaz Baloch, Lecturer	Commerce	Anglia Ruskin University, UK	07-09-2011	
19	Mr. Saadullah Rahooja, Lecturer	Geography	Southampton University, UK	29-08-2011	About to complete his PhD studies
20	Mr. Abdul Hameed Panhwar, Lecturer	English	Anglia Ruskin University, UK	August, 2011	About to complete his PhD studies
21	Mr. Waheed Ahmed Abbasi, Lecturer	Criminology	Anglia Ruskin University, UK	09/09/2011	About to complete his PhD studies
22	Ms. Nazia Parveen Gill, Lecturer	Statistics	Groningen University, Netherlands	29/08/2012	About to complete his PhD studies
23	Ms. Farwa shah, Assistant Professor	BPA	Anglia Ruskin University UK	25, August, 2011	About to complete his PhD studies
24	Mr. Abdul Waheed Mahesar, Lecturer	IICT	I.I university, Malaysia	15/5/11	
25	Mr. Ahmed Khan, Lecturer	IICT	Southern University, Denmark	15/5/2011	About to complete his PhD studies
26	Mr. Kamran Abbasi, Lecturer	Education	Bedfordshire University, UK	17/6/2011	Joined university
27	Ms. Sobia Shafaq Shah, Asstt Professor	IBA	Anglia Ruskin University, UK	20/ 9/2011	About to complete his PhD studies
28	Mr. Sheeraz Niaz Laghari, Lecturer	IICT	Aalborg University, Denmark	16-11-2011	Requested for 5th year study leave

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29	Mr. Intzar Ali Lashari, Lecturer	IBA	Southern university, Denmark	20-11-2011	About to complete his PhD studies
30	Mr. Ghulam Mustafa Shoro, Assistant Professor	IICT	Aalborg University, Denmark	17/02/2012	About to complete his PhD studies
31	Ms. Tania Mushtaque, Lecturer	IICT	Aalborg University, Denmark	15-3-2012	About to complete his PhD studies
32	Mr. Mushtaque Ali Jariko, Asstt Professor	Business Administration	Anglia Ruskin University, UK	28-08-2012	About to complete his PhD studies
33	Ms. Ishrat Afshan Abbasi, Assistant Professor	International Relations	Erfurt University, Germany	21/10/2012	Expected joining date is 21/10/2016
34	Ms. Nimerta Kumari, Lecturer	Microbiology	Tubingen University, Germany	05/04/2012	Expected joining date is 05/04/2017
35	Mr. Jamshed Ahmed Warsi, Lecturer	Physiology	Tubingen University, Germany	01/10/2012	23/09/2015
36	Ms. Atia Bano Memon, Lecturer	Computer Sciences @ Badin	Leipzig University, Germany	26/08/2012	Expected joining date is 26/08/2016
37	Mr. Krishan Kumar Luhana, Lecturer	Computer Sciences @ Badin	Technical University Graz, Austria	21/10/2012	Expected joining date is 21/10/2016
38	Mr. Shah Murad Chandio, Lecturer	IMCS	International Islamic University, Malaysia	28/8/2013	Expected joining date is 28/08/2017
39	Ms. Arjumand Bano, Lecturer	IICT	IU University, Malaysia	30/09/2013	Expected joining date is 30/09/2017
40	Ms. Fiza Qureshi, Lecturer	IBA	Malaya University, Malaysia	09/09/2013	Expected joining date is 09/09/2017
41	Ms. Sayeda Naveed Karim Bux Shah, Lecturer	IBA	Malaya University, Malaysia	08/01/2013	Expected joining date is 08/01/2017
42	Syed Karim Bux Shah, Assistant Professor	IBA	Malaya University, Malaysia	13/9/2013	Expected joining date is 13/09/2017

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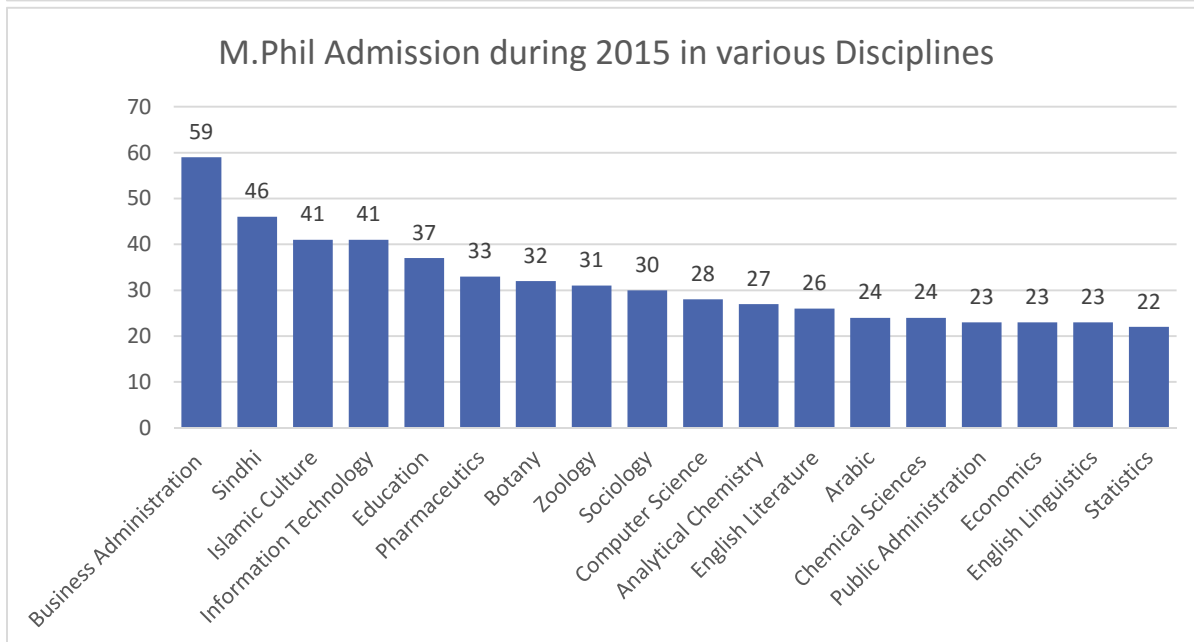
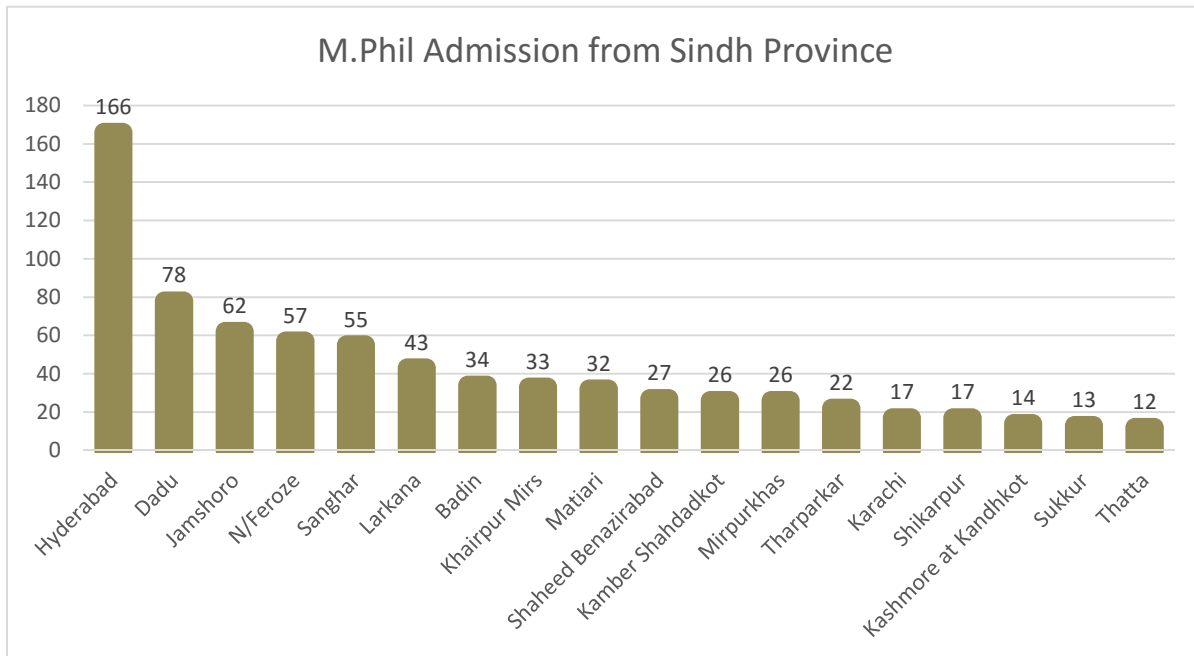
43	Mr. Ameer Ali Buriro	Women Studies Center	Sains University, Malaysia	13/11/2013	Expected joining date is 13/11/2017
44	Mr. Muhammad Aqeel Bhutto	IBGT	Donghua University, China	30/8/2013	
45	Mr. Irfan Ahmed Shaikh	General History	Internal University, China	06/06/2013	Expected joining date is 06/06/2017
46	Mr. Abdul Rehman Kaloi	Islamic Studies Badin Campus	Mahidol University, Thailand	19/09/2013	Expected joining date is 19/09/2017
47	Mr. Shahid Ali Shaikh, Lecturer	Geology	Zhejiang University, China	30/09/2013	Expected joining date is 30/09/2017
48	Ms. Farheen Ashfaque, Lecturer	Mass Communication	Sarawak University, Malaysia	25/09/2013	Expected joining date is 25/09/2017
49	Mr. Muhammad Ramzan Pahore, Lecturer	Mass Communication	Putra University, Malaysia	19/12/2013	Expected joining date is 19/12/2017
50	Mr. Altaf Hussain Abro, Lecturer	Computer Science (Badin Campus)	Amsterdam University, Netherlands	11/11/2013	Expected joining date is 11/11/2017
51	Mr. Rashid Ali Khuhro, Lecturer	CRDC	Kabangsaan University, Malaysia	05/12/2013	Expected joining date is 05/12/2017
52	Mr. Abdul Rehman Nizamani, Lecturer	Lecturer, Department of Economics	Kabangsaan University, Malaysia	20/08/2013	Expected joining date is 21/10/2017
53	Mr. Syed Faisal Hyder shah, Lecturer	Lecturer, Social Work	Sains University, Malaysia	12/11/2013	Expected joining date is 12/11/2017
54	Mr. Pasand Ali, Lecturer	Lecturer, Sociology	Malaya University, Malaysia	11/11/2013	Expected joining date is 11/11/2017
55	Mr. Hameedullah Bhutto, Lecturer	IBGE	Prince Skonai, Thailand	24/11/2013	Expected joining date is 24/11/2017
56	Mr. Imran Suhrayani, Lecturer	Pharmacy	University of China, China	30/08/2013	Expected joining date is 30/08/2017
57	Mr. Atta Muhammad Samoo, Lecturer	Physiology	University of Oulu, Finland	12/3/2013	Expected joining date is 21/10/2017

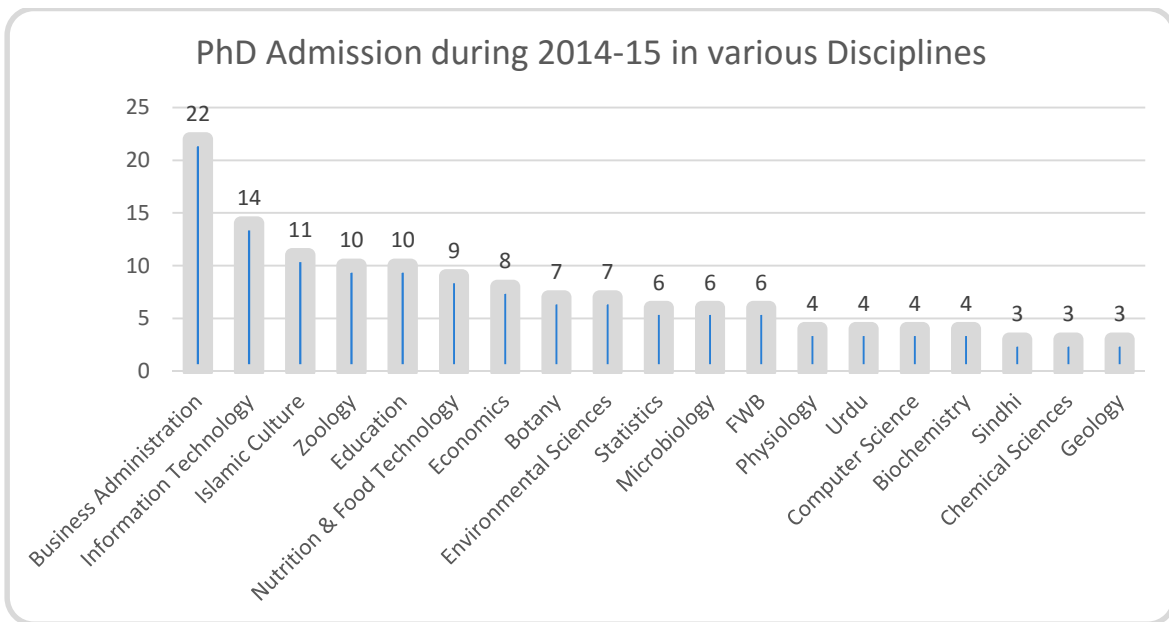
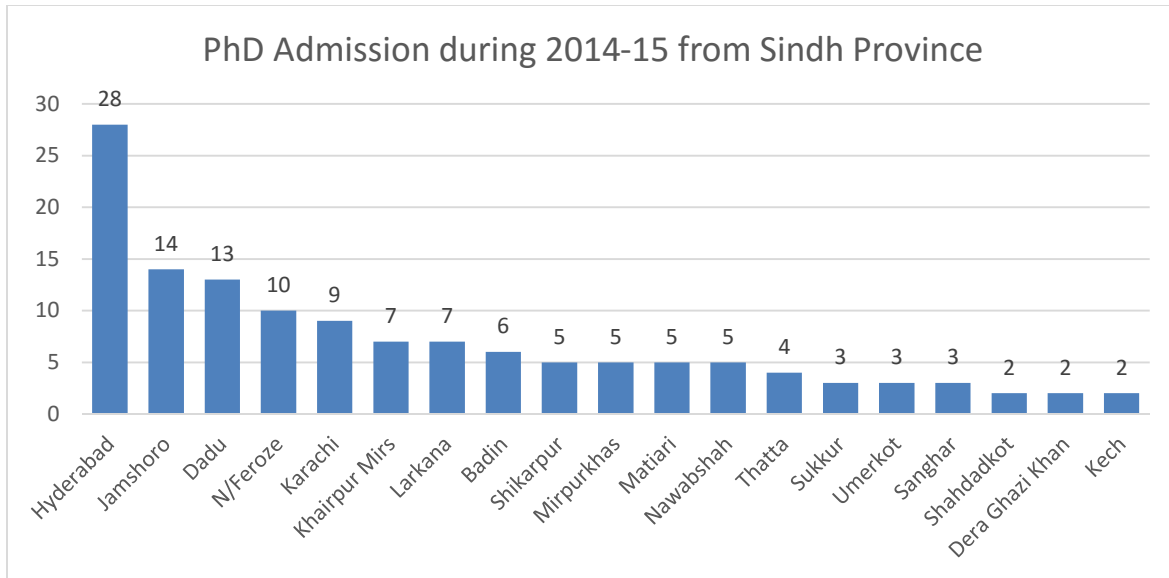
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58	Mr. Pervaiz Ali Mahesar, Lecturer	Lecturer, Political Science	Putra University, Malaysia	1/04/013	Expected joining date is 01/04/2017
59	Mr. Gulsher Laghari, Lecturer	IMCS	University of Antwerp, Belgium	26/5/2014	Expected joining date is 26/05/2018
60	Mr. Farooque Ahmed Laghari, Lecturer	International Relations	University Putra Malaysia	5/5/2014	Expected joining date is 05/05/2018
61	Mr. Ali Khan Ghumro, Assistant Professor	International Relations	University Kebangsaan, Malaysia	10th April 2014	Expected joining date is 10/04/2018
62	Ms. Shagufta Jabeen, Lecturer	Microbiology	Putra University, Malaysia	06/11/2014	Expected joining date is 06/11/2018
63	Ms. Najma Nawaz Channa, Lecturer	IMCS	International Islamic University, Malaysia	29/05/2015	Expected joining date is 29/05/2019
64	Mr. Sikandar Hussain Soomro, Asstt Professor	Economics	Anglia Ruskin University, UK	05-08-2011	
65	Mr. Muhammad Ali Pasha, Lecturer	Economics	Putra University, Malaysia		
66	Mr. Mazhar Mustafa, Lecturer	Pharmacy	Northeast Normal University, China	11/9/2013	
67	Mr. Muhammad Siddique, Lecturer	Mass Communication	Antwerp University, Belgium	20-01-2012	
68	Ms. Shaista Naz	Geography	Hohai University, China	Issued final award letter on 17th April	In process to proceed abroad
69	Sumera Dero	IT	Xiamen University, China	Issued final award letter on 12th September 2014	In process to proceed abroad
70	Mr. Imran Ali Noonari, Lecturer	Lecturer, Political Science	Malaya University, Malaysia	He was issued final award letter on July 11, 2013	In process to proceed abroad

4.3 PRESENT SCHOLARS

Students from all over Sindh and some from other provinces are admitted in various Departments of the University as depicted in Graphs below:





There are 204 PhD faculty members out of 577 full time faculty in the University during the fiscal year 2014-15. Among them 85 are Professors, 53 Associate Professor, 49 Assistant Professors and 17 Lecturers.

4.4 PRE-SERVICE AND IN-SERVICE PROFESSIONAL DEVELOPMENT PROGRAMMES

The University of Sindh has funded following faculty members for oral/ presentation of their papers in various Conferences.

S. No.	Name of Faculty/scholar	Designation	Department	Conference Title	Venue/ Country	Date	Total Grant
1	Dr.Gh.Zurha Memon	Assistant Professor	M.A Kazi Institute of Chemistry	25th & 13th International Chemistry Conference	University Of Punjab Quaid-E-Azam Campus Lahore	20-Oct-14	30,000
2	Prof. Dr. Hamadullah Kakepoto	Director	Area Study Centre	17 th Annual International Conference on Education	Athens, Greece	18-21 May, 2015	389,808
3	Prof. Dr. Hamadullah Kakepoto	Director	Area Study Centre	Dialogue on National Action Plan against Terrorism and Extremism	University of Peshawar, Baragali,	15- 17 Jun. 2015	51,210
4	Mr. Gh. Murtaza Khoso	Asstt: Prof.	Area Study Centre	4 th International Conference on Human Values in Higher Education	Gedu, Bhutan	27-29 Mar. 2015	249,557
5	Agheem, M.H	Professor	Geology	International Workshop on Tethyan Orogenesis and Metallogeny in Asia Cooperation among Institutions of Higher Education	China University of Geosciences, Wuhan, China	Octoer, 11-14, 2014	2,00,000
6	Dr. Hakim Ali Mahesar	Asstt: Prof.	Commerce	IJAS	University of BedfordShire UK	2nd Dec 2014	795 GBP
7	Dr. Tufail Sherazi	Professor	National Center of Excellence in Analytical Chemistry	Improvements in Designing and Pressing in Solvent Extraction Plant (invited lecture)	China	May 23-29, 2015	Everything

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8	Prof. Dr. Aslam Pervez Memon	Professor	Political Science		Shah Abdul Latif University Khairpur	26th March 2015	5,000
9	Dr. Shahzad Ahmed Memon	Associate Professor	IICT	Social Media wearable and web analytics (social Modia 2015)	London, UK	8 to 9 June 2015	61,360
10	Mr. Zulfiqar Ali Bhutto	Lecture	IICT	Social Media wearable and web analytics (social Modia 2015)	London, UK	8 to 9 June 2015	61,360
11	Mr. Kamran Dahri	Lecture	IICT	Social Media wearable and web analytics (social Modia 2015)	London, UK	8 to 9 June 2015	61,360
12	Ms. Um-e-Fawar Talho	RA	English	The 2nd Kashmir International Conference on Linguistics	Univ of Azad Jammu & Kashmir	4 to 5 May 2015	25,000
13	Ms. Wafa Pathan	RA	English	The 2nd Kashmir International Conference on Linguistics	Univ of Azad Jammu & Kashmir	4 to 5 May 2015	25,000
14	Prof. Dr. Wazir Ali Baloch	Professor	Fresh Water Biology	35th International Zoological Congress of Pakistan	Center of Excellence in Marine Biology, University of Karachi	1 to 4 March 2015	7,600
15	Ms. Mahjabeen Panhwar	Assistant Professor	Pant Sciences	2nd International Conference on Agriculture, Food & Animal Sciences	SAU Tandojam	25 to 26 February 2015	5,000
16	Dr. Bashir Memon	Assistant Professor	Media & Com Studies	International Media Conference	Pearl Continental Hotel Karachi	1 to 3 May 2015	5,000
17	Dr. Faraz Ali Bughio	Assistant Professor	English	The 2nd Kashmir International Conference on Linguistics	Univ of Azad Jammu & Kashmir	4 to 5 May 2015	28,000

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18	Dr. Aslam Pervez Memon	Professor	Bhitshah Campus	Social Science	University of Peshawar	13 to 14 May 2015	25,000
19	Mr. Sheeraz Ilyas Shaikh	Lecture	Psychology	14th International Conference of Psychology (ICP-2015)	Inst. Of Applied Psychology, Center for Clinical Psychology University of Punjab	19 to 21 March 2015	27,000
20	Dr. Samina Kabir Khanzada	Assistant Professor	Plant Sciences	Agriculture Food & Animal Sciences	SAU Tandojam	25 to 26 February 2015	13,000
21	Dr. Amina Kabir Khanzada	Lecture	Plant Sciences	Agriculture Food & Animal Sciences	SAU Tandojam	25 to 26 February 2015	13,000
22	Dr. Nek Muhammad Shaikh	Professor	Physics	International Scientific Spring Conference 2015	National Center for Physics QAU Campus Shahdra Valley Road ISB	16 to 20 March 2015	26,000
23	Mr. Bashir Ahmed Jatoi	Lecture	General History	South Asian Literary Traditions	Gurmani Center for Languages and Literary at LUMS Lahore	10 to 11 April 2015	27,000
24	Ms. Meroona Gopang	Lecture	Psychology	14th international conference of psychology ICP-2015	Inst. Of Applied Psychology, Center for Clinical Psychology University of Punjab	19 to 21 March 2015	27,000
25	Dr. Muhammad Ali Ghoto	Lecture	Pharmaceutics	Recent Innovations in Pharmaceutical Science	Ripah Institute of Pharmaceutical Science	3 to 5 March 2015	27,000
26	Mr. Mudasar Iqbal Arain	Lecture	Pharmaceutics	Recent Innovations in Pharmaceutical Science	Ripah Institute of Pharmaceutical Science	3 to 5 March 2015	27,000
27	Mr. Ali Qureshi	Lecture	Pharmaceutics	Recent Innovations in Pharmaceutical Science	Ripah Institute of Pharmaceutical Science	3 to 5 March 2015	27,000
28	Ms. Rabia Parveen	Lecture	Pharmaceutics	Recent Innovations in	Ripah Institute of	3 to 5 March 2015	27,000

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				Pharmaceutical Science	Pharmaceutical Science		
29	Dr. Aslam Pervez Memon	PVC Bhitshah	Bhitshah Campus	Sufism a source of Human Rights and Freedom of Speech	Islamabad	4 to 5 March 2015	25,000
30	Dr. Shahzad Ahmed Memon	Associate Professor	IICT	3rd International Conference on Energy and Environment (ICEE 2015)	QUEST, Nawabshah	25 to 27 Feb 2015	5,000
31	Syed Raza Hussain Shah	Associate Professor	IICT	3rd International Conference on Energy and Environment (ICEE 2015)	QUEST, Nawabshah	25 to 27 Feb 2015	5,000
32	Nisar Ahmed Memon	Associate Professor	IICT	3rd International Conference on Energy and Environment (ICEE 2015)	QUEST, Nawabshah	25 to 27 Feb 2015	5,000
33	Punhal Khan Lashari	Lecture	Fresh Water Biology	5th International Symposium on Fisheries	Pearl Continental Hotel Lahore	24-25 Feb 2015	25,000
34	Prof. Dr. Naeem Tariq Narejo	Lecture	Fresh Water Biology	5th International Symposium on Fisheries	Pearl Continental Hotel Lahore	24-25 Feb 2015	25,000
35	Dr. Mukhtiar Ahmed Mahar	Associate Professor	Fresh Water Biology	5th International Symposium on Fisheries	Pearl Continental Hotel Lahore	24-25 Feb 2015	25,000
36	Dr. Muhammad Younis Laghari	Lecture	Fresh Water Biology	5th International Symposium on Fisheries	Pearl Continental Hotel Lahore	24-25 Feb 2015	25,000
37	Dr. Yasir Arfat Malkani	Assistant Professor	IMCS	International Multi Topic Conference IMTIC-2015	MUET Jamshoro	11 to 13 Feb 2015	4,000
38	Mr. Jamaluddin Mangi	Lecture	Institute Of Plant Science	International Conference Plant Sciences	G.C University of Lahore	22-Sep-14	27,000

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39	Dr. Amina Kabri Khanzada	Assistant Professor	Institute Of Plant Science	International Conference Plant Sciences	G.C University of Lahore	22-Sep-14	27,000
40	Mrs. Mahjabeen Panhwar	Assistant	Institute Of Plant Science	International Conference on Agriculture, Food & Security and Climate Change	University of Poonch Rawalakot Azaad Jammu & Kashmir	9-Sep-14	26,500
41	Mr. Farooq Ali bughio	Lecture	Institute Of Plant Science	International Conference On Agriculture, Food & Security and Climate Change	University of Poonch Rawalakot Azaad Jammu & Kamshmir	9-Sep-14	26,500
42	Mrs.Nool-ur-Ain Soomro	Lecture	Institute Of Plant Science	4th International & National Conference of Botnay	Shaheed Benazir Bhutto University of Sheringnal, Dir Upper Khyber Pakhtunkhwa	27-Aug-14	26,500
43	Dr. Hadi Bux Bozdar	Assistant Professor	Institute Of Plant Science	4th International & National Conference of Botnay	Shaheed Benazir Bhutto University of Sheringnal, Dir Upper Khyber Pakhtunkhwa	27-Aug-14	26,500
44	Ms. Nabila Shah Jilani	Lecture	Institute Of Plant Science	International Conference Plant Sciences	G.C University of Lahore	22-Sep-14	27,000
45	Memon. Rafiq. A	Professor	English	Canada International Conference on Education (CICE-2015) at the University of Toronto, Mississauga, Canada	Canada	22-25 June 2015	

CHAPTER-5: MASTER PLAN OF THE UNIVERSITY



5.1 BASIC ENROLMENT

The enrollment of the University is summarized as under.

Campus	2014-15			
	Pakistani		Foreign	
	M	F	M	F
Main Campus	16645	7069	72	18
Sub-Campuses	2011	568		
Total	18656	7637	72	18

5.2 EQUITY

Around 65% students are from rural areas and we preserve the right of education of every individual irrespective of caste, culture and creed.

5.3 GENDER-WISE DETAIL

The gender-wise and level-wise detail is given below:

Campus	Level of Education	2014-15			
		Pakistani		Foreign	
		M	F	M	F
Main Campus	Bachelors 15 yrs	350	104		
	Bachelors 16 yrs	10825	3268	15	
	Bachelors 17 yrs	827	551	54	18
	Masters 16 yrs	2883	2426	1	
	Masters 17 yrs	20	34		
	Masters 18 yrs	201	36	2	
	M.Phil	1264	511		
	Ph.D	275	139		
Main Campus Total		16645	7069	72	18
Sub-Campus	Bachelors 16 yrs	1728	510		
	Masters 16 yrs	105	13		
	Masters 18 yrs	178	45		
Sub-Campus Total		2011	568		
Grand Total		18656	7637	72	18

5.4 EMPLOYABILITY

After earning the degree, the passed out candidates get deemed fit into their figured out departments i.e., Bureaucracy, NGOs, Private and Local institutions etc.

5.5 FACULTY-STUDENT RATIO

Considering the number of total faculty including contractual and visiting the faculty-student ratio is 1:37 in the University.

CHAPTER-6: UNIVERSITIES BUILDING ECONOMIES

6.1 UNIVERSITY INDUSTRY LINKAGE

The University has the following Industrial Linkages with various Development Programs and Trusts.

Serial No.	Name of the Industry	Title of collaboration/ research project etc. with business partners	Duration with Dates
1	Child Rights Movement & Department of Sociology University of Sindh Jamshoro	Memorandum Of Understanding Between Child Rights Movement, Sindh And Department Of Sociology University Of Sindh Jamshoro For Collaboration And Technical Assistance Of Department And Development Of Child Rights Syllabus	4 th November 2015 to December 2016
2	National Testing Service , Pakistan	Seeking Scholarships for enrolled MPhil and PhD students, who has passed NTS Tests	2014-15
3	Laar Humanitarian & Development Program (LHDP)	Memorandum of Understanding	29.8.2014 to 15.3.2015
4	INDUS EARTH TRUST (IET)	Memorandum of Agreement	on 1st Dec 2014; Period: 15th to 20th Dec-2014
5	Thardeep Rural Development Program (TRDP)	Memorandum of Agreement	on 1st Dec 2014; Period: 22nd to 27th Dec-2014
6	The Technical Secretariat of the Organization for the prohibition of Chemical Weapons	Memorandum of Agreement	10th Feb 2015
7	Government of Sindh and Institute of Biochemistry, University of Sindh	Project NO: ASV/ARV Res-104/2014 Fractionation, Filtration, Purification and protein profile of antibodies from Immunized Horse Serum / Plasma for Quality Control in ASV Production (as a Principal Investigator)	15th April 2014

6.5 INTERNSHIP AND PLACEMENT OFFICE

SINDH DEVELOPMENT STUDY CENTRE

Students of BS Program in Rural Development are getting Internship during summer different NGO's, Micro Finance Banks and are visiting the Industries and Govt. offices for collecting data on different topics as per course requirement.

6.6 STUDENT COUNSELING AND CAREER GUIDANCE

SINDH DEVELOPMENT STUDY CENTRE

The SDSC senior faculty members guide the students of BS and M.Sc Program in Rural Development for their future career. The faculty also give them understanding for new challenges/human resource development skills and help them for searching new chnics to handle all constraints of life.

CHAPTER-7: STRENGTHENING PHYSICAL INFRASTRUCTURE

7.1 DEVELOPMENT PROJECTS (LABORATORIES, LIBRARIES, ETC.)

Institute of Biotechnology

Two Specializations are offered by the Institute of Biotechnology and Genetic and there are Six B.S / M.Sc Laboratories and Three research Laboratories. All the laboratories are adequately equipped. The list of some equipments / instruments is provided below:

1	Double Beam Spectrophotometer (Labomed, Inc) (Under HEC Project)
2	Refrigerated centrifuge (Gallenkamp)
3	Flame Photometer (Corning 400)
4	Spectrophotometer (Vis-7220) China made
5	Autoclave (china)
6	Gel Documentation (BIO-RAD)
7	Centrifuge machine (Kubota 8700)
8	Oven (Heraeus)
9	Shaking water incubator (Gallenkamp)
10	Incubator (Shanhghai YIHENG technical co, Ltd.)
11	Fraction collector (Pharmacia biotech, FRAC-100) under TWAS Project)
12	Rotatory evaporator (BIBBY RE 200)
13	Orbital Shaking Incubator Edmund Buhler, KL-2) (Gallenkamp)
14	Laminar inflow cabinet (local made)

Short comings:

Facing difficulty in adjusting new admitted students in recently introduced discipline BS Biotechnology and Building space is not sufficient for students admitted for three disciplines such as B.S Genetics, BS Biotechnology and M.Sc Biotechnology.

Institute lacking some of the essential instruments used in research due to which research is highly affected.

Seminar library needs renovation as per library criteria and needs extension to adjust number of students at a time.

Needs additional space to establish fully equipped computer Lab for researchers which fulfill the research criteria.

Department of Psychology

The department has the modern laboratory facilities to meet the academic requirement of students as well as the professional need of the teachers.

The laboratory is equipped with experimental facilities capable to satisfy the needs of postgraduate and under graduate studies.

Psychological Laboratory

In addition to class teaching students are trained in conducting experiments on different problems of psychology. For this purpose the laboratory is well equipped with the latest instruments.. It has got small room for conducting experiments and psychological tests in peaceful and calm conditions.

Psychological Testing Section

For the purpose of assessment of different cognitive and temperamental constructs and traits in a human personality, the Psychological Testing Cell has got more than 80 different tests. These tests are used by teachers and students for research, assessment, and diagnostic purposes. This section is well equipped with the latest electronic instruments for Test Administration, Scoring, and Data Analysis. People from outside can also benefit from the facility of being assessed. The facility of Data Analysis can also be provided.

Center for Pure & Applied Geology

The Centre for Pure and Applied Geology was established in March 2007. In view of the recommendations of National Conference held in 2005, the Higher Education Commission of Pakistan provided financial support to establish Advance Laboratories at the Centre. The inaugural ceremony of newly established laboratories was held on 19th April 2008. Following Lab facilities are presently available at the Centre.

Facilities for Geo-chemical Analysis

X-Ray Fluorescence Spectrometer (S4 Pioneer)

- Having SPECTRA^{Plus} software Package
This user-friendly software can control both the equipment as well as setting methods and parameters for analysis.
- Performs geochemical analysis of major, trace as well as rare earth elements.
- Can analyze every type of materials(e.g. soils, rocks, minerals, gemstones, metals, synthetics, oils etc) precisely and perfectly Sample preparation is very easy Auto sample-handler Sample magazine can accommodate sixty (60) samples at a time

Atomic Absorption Spectrometer

AAAnalyst 800 Atomic Absorption Spectrometer with automatic 8 lamp mount and Zeeman-THGA Background Correction-Graphite Furnace

- High light throughput, “real-time” double-beam optical system with a double-blazed grating monochromator for optimized performance over the entire AA wavelength range
- AutoPrep 50 automatic dilution system
- WinLab32 for AA software

Scanning Electron Microscope with EDS Dry Detector QUANTEX 200

- JSM 6490 LV
- Resolution; HVmode;3.0nm. LV mode; 4.0 nm.
- Magnification; X8 to X300,000
- Backscattered Electron Detector
- Low Vacuum Secondary Electron Detector
- Full automated Electron Gun
- LN2 free EDS provides powerful X-Ray mapping of spatial distribution of

Facilities for Hydrogeological and Geophysical Analysis

ABEM LUND Resistivity Imaging System

- Ground water resource management
- Mapping and monitoring of contaminated ground water
- Geological Mapping
- Mapping/prospecting of natural resources
- Geothermal prospecting
- Sub-bottom mapping at sea and in lakes
- Depth to water can be determined
- Aquifer thickness can be measured
- Water quality can be estimated

12 Channel Seismograph Terraloc Mk6

- Wide range of sampling rates,
- Fast enough for crosshole
- On-site geophone and cable testing-Enhances in the field QC
- Real time noise monitoring, display as bar graphs or waterfall-Measure at optimum
- Wide choice of multi- or single trace view modes - Fast and detailed analysis

Ground Penetrating Radar (GPR)

- Depth to Bedrock
- Sand and Gravel Mapping
- Placer Mapping
- Groundwater/Aquifer Exploration
- Stratigraphic Mapping
- Mine Safety/Hazardous Fracture Zone Detection
- Underground mining mapping
- Deep bedrocks profiling
- Groundwater resources
- River & lake bottom profiling
- Features characterization
- Sedimentological studies
- Soil & aggregate mapping
- Karst mapping
-

Facilities for Sedimentological and Paleontological Analysis

- Grain Size Analysis
- Zoom stereo Microscopes with Computer Display
- Paleoenvironmental facies analysis
- Microfacies identification
- Foraminiferal and Mega Fossil Study

Facilities for Mineralogy and Petrography

XRD D8 ADVANCE X-Ray Diffractometer

- Having DIFFRAC^{PLUS} software Package
- User-friendly Software, controlling equipment as well as setting parameters for analysis
- Can analyze and identify every type of materials (e.g., Soils, rocks, minerals, gemstones, metals, synthetics etc) precisely and perfectly
- A huge data base covering every type of materials
- A fast pc based method of searching and matching of peaks for the identification of unknown minerals

Polarising Microscopes with Computer Display

Leica Fluorescence Microscope

Thin Section Preparation Unit

- Preparing Standard thin sections to precise thickness (0.03 mm.) is fast, simple and accurate with Compact 50 Precision Lapping Machine

Facilities for Geological Mapping and Digitizing

- Geological maps and satellite imageries of Pakistan
- Brunton Compasses and GPS
- Vehicles for field work (Toyota HILUX double cab, Land Rover, and Hyundai Shehzore).

Facilities for Computing and Geostatistical Analysis

- Workstation Servers
- Latest Laptop & Desktop Computers with LCD Monitors
- 42" Hp Color Plotter
- A0 size Color Scanner

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- Color Laser Printer
- Global Positioning Systems (GPS)
- Surfer 8
- MapInfo Professional ver. 8.5
- RockWorks v2006
- RockWare StereoStat
- RockWare Igpet 2005
- MinPetVer.2.01
- ArcGIS 9
- Terra Sync Pro Edition
- Resix 2DI & Resix Plus

Department of Anthropology & Archaeology

1. BS Laboratory

Lab Title	BS I (Archaeology)
Location and Area	24x30=720 sqr.ft
Objectives	To train the students on various techniques/experiments of antiquity conservation mapping and drafting.
Adequacy for Instruction	Lab Instructor, Lab Assistant, Lab Attendant
Courses Taught	311
Major Glasswares	All basic glasswares are available
Major Apparatus	Balances, Chemicals drawing instrument and measuring apparatus.

Institute of Plant Sciences

There are five teaching laboratories for BS1 to 4 and M.Sc. prev and final. These teaching laboratories are also used as lecture rooms. All the laboratories are adequately equipped.

The Eight specializations are offered by the institute of Botany and each specialization have its own special labs, these labs are used by BS IV and M.Sc. Final students. These special discipline labs also used by M.Phil and Ph.D students because no separate labs for these researchers exist in institute. These labs are not properly equipped. One photographic lab is existing in the institute but about more than a decade ago the photographer working in the lab transferred as photostate machineman in dean office and no other person was appointed in photographic lab. This photographic lab is now almost destroyed and not in order.

HERBARIUM AND BOTANIC GARDEN.

The Institute of Botany has well maintained Herbarium having 10,000 specimen and Botanic Garden with good living collection having vast diversity of flowering plants including some Gymnosperms and Pteridophytes.

SCANNING ELECTRON MICROSCOPE FACILITY.

Hitachi: S – 2100 Scanning Electron Microscope is available for the micromorphological studies of plant organs specially pollen grains & seed surface pattern.

Shortcomings:

- a) Building space is not sufficient for students admitted. The underground portion of the building is filled with water due to seepage for the last 35 years. Perhaps this is the only building in the university which never got any extension but admissions increased many fold in the last half century.
- b) Institute lacking some of the basic instruments in special labs which cause hurdle for special practicals and research activities.
- c) Seminar library facing shortage of space and new editions and titles of books.
- d) Scan Electron Microscope need to be shifted in underground floor but it is not possible due to presence of water so it should be shifted at ground floor and its photographic system (which is outdated) should be replaced with digital system to put it in working order.
- e) Photographic lab provided with up-to-date digital photographic equipments attached with sophisticated Microscopes
- f) All labs need fire extinguisher apparatus in case of emergency.
- g) Fire-Alarm in the building
- h) Fuming Cupboards need repair.
- i) Growth chambers need repair.
- j) First Aid Facilities.

All students and faculty members have adequate access to manuals / documentation.

Each laboratory has laboratory attendant and assistant for support to students and faculty.

Shortcomings

- a) Technicians may be required for long –term maintenance of equipments.
- b) Appointment of an artist to prepare scientific illustrations as needed in different special and research disciplines.

Computer & Internet Facilities:

There is a computer laboratory with 6 PCs and internet facility. Apart from this PCs are provided to the professor in charge of the each special lab with Internet connection for their research students. A large number of international research journals are available on Digital Library provided by Higher Education Commission and research article of interest can be down loaded.

Facilities

The University of Sindh has adequate computer facilities / services and administrative staff to support its faculty, students and staff in their academic activities.

All internet problems are maintained and managed by Institute of Information and Communication Technology. Others than this there are more than 700 active users can excess LAN / WAN facility provided by IICT with 16 MB bandwidth (full duplex). This is however very inadequate and we are trying to upgrade it to 1 GB.

i. Multimedia:

In the institute there is two Multimedia Projector and three Over head projectors.

ii. University Website:

An information and dynamic website is designed, hosted at our registered domain URL address

<http://www.usindh.edu.pk>. All the information regarding new activities and examination results updated on daily basis.

Institute of Chemistry

Four Specializations are offered by the Institute of Chemistry and there are five teaching and five research Laboratories. In addition to this the Institute has a central research laboratory equipped by the help of HEC. All the laboratories are adequately equipped. The list of some of the equipment / instruments is provided below;

1	I.R Spectrophotometer (Pye Unicam SP 1000)
2	Deionizer (Elgastat B114)
3	Flame Photometer (Corning 400)
4	Spectrophotometer (Hitachi U-1100) (NRSDB)
5	Spectrophotometer (Shimadzu) UV-120-02
6	Spectronic 21 (Jurgens)
7	Refractometer (Hilger and Watts)
8	Spectronic (Hungry 2000)

9	Polarimeter (Erma)
10	Refractometer (Erma)
11	Vacuum pump (ME4R Membrane)
12	Fraction collector (Pharmacia biotech, FRAC-100)
13	Rotary evaporator (BIBBY RE 200)
14	Shaker (Edmund Buhler, KL-2)

Computer Facilities:

There is a computer laboratory with 10 PCs and internet facility.

Internet Facility:

The internet facility is available in laboratories, library and offices of teachers. A large number of international research journals are available on Digital Library provided by Higher Education Commission and research article of interest can be down loaded.

Department of Geography

Department of Geography has a GIS / Digital Cartography lab with internet connection.

This lab is insufficient for the students of geography since there are only 14 computers for 250 students.

Softwares Available

- o Arc View GIS
- o Global Mapper
- o Map Viewer
- o Macromedia Free Hand

The students study the Geographic Information System as an elective subject and Digital Cartography as a compulsory subject. For the study of these subjects the GIS lab is necessary.

Media Communication Studies

There are two laboratories in the department; in each lab 15 students can be accommodated at a time for practical work. Each student is provided with computer for practical work. All the laboratories are well equipped with computer and publications material. These labs are also used for internet facility. The faculty members have also have an access to this lab. One Sound-proof studio has been established to use for practical work for students

1. Print Media Lab

Lab Title	Print Media Lab for Newspaper Production and Magazines production
Location and Area	28x77=2156 sqr.ft
Objectives	To train the students on various techniques of Newspaper Production and Magazines
Adequacy for Instruction	Subject teacher, Lab Assistant, Lab Attendant
Courses Taught	MC 560
Major Apparatus	Computers and Printers

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2. Electronic Media Labs

Lab Title	Electronic Media Labs
Location and Area	55X27=1485 Sq.ft
Objectives	To train the students on various techniques electronic media and also used for internet
Adequacy for Instruction	Subject Teacher, Lab Instructor, Lab Assistant, Lab Attendant
Courses Taught	
Major Apparatus	Apples' Editing suit and computers

3. ELECTRONIC MEDIA STUDIOS

Lab Title	Electronic Media Studios
Location and Area	55X27=1485 Sq.ft
Objectives	To train the students on various techniques electronic media and production
Adequacy for Instruction	Subject Teacher, Production Controller, Senior Cameraman,
Courses Taught	
Major Apparatus	Sound-Proof Studio, Latest editing equipment

Faculty of Pharmacy

INSTRUMENTS/EQUIPMENTS

1. Central Instrumental lab.:

i.	FTIR	01
ii.	Gas Chromatograph	01
iii.	HPLC	02
iv.	Double Beam Spectrometers	03
v.	Single Beam Spectrophotometers	01
vi.	Polarimeter	01
vii.	Refractometer	01

2. Pharmacology Instrumental Lab.:

i.	4-Channel Computerized data Recording system with accessories	03
ii.	Teaching Force Transducer (Single tissue Baths)	03
iii.	High grade Isotonic Transducer	04
iv.	Rodent Restainers	01
v.	BP Transducers	01
vi.	Animal Cage System	01

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vii.	Metabolic Cage for rats	01
viii.	Accelerating Tota Rod for rats	01

3. Pharmaceutic/Industrial Lab.:

i.	Tablet Machine	01
ii.	Freeze Dryer	01
iii.	Autoclave	01
iv.	Incubator	01
v.	Laminar Flow Hood	01
vi.	Tablet Dissolution Tester	01
vii.	Tablet Disintegration tester	01
viii.	Tablet Hardness/Thickness tester	01
ix.	Flame photometer	01
x.	Ampoule sealing machine	01
xi.	Silverson Mixer	01

4. Pharmacognosy Lab.

i.	Fraction collector	01
ii.	Rotary evaporator	01

RESEARCH:

To explore the scope and achievements in research in medicine and to identify the ways and means for their optimal utilization in health promotion with focus on cure and prevention of disease this Faculty beside teaching is also involved in the research. At present the following few research projects are in progress.

1. Chemical and Biological Investigations/Screening of local medicinal plants.
2. Qualitative and Quantitative Analysis of Drugs.
3. Drug Delivery and development.
4. Bio-equivalence and Bioavailability

Institute of Physics

Equipment available for labs

Course	Lab equipment	Computing equipment
1. Physics Methodology 2. TSBD (Physics practical lessons)	Bar pendulum, Coulomb's law Experiment set, photo cell apparatus, Transistors, potentiometer lab, P.N Diode s/c, young modulus, Bar magnets, Resistance boxes (low and high) etc.	Nil

Department of Physiology

In Physiology department there are 05 laboratories for Major & Minor students, each lab can accommodate 50 students at a time for practical work. Recently a Molecular biology & cell tissue culture research lab has been established for advance research. All the laboratories are equipped with latest instruments/apparatus, glassware. One computer lab was also established having 06 computers with broadband internet facility for the students, researchers & faculty members.

1. BS-I Laboratory

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Lab Title	BS I Physiology
Location and Area	40X25= 1000 Sq.ft
Objectives	To train the students on various techniques/experiments of Functional Anatomy & Physiology Major & Minor and Biology Compulsory.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	301,311,321,313,323
Major Glasswares	All basic glasswares are available
Major Apparatus	Microscopes, Centrifuges machine, oven, pH meter, refrigerator

2. BS-II Laboratory

Lab Title	BS-II Physiology
Location and Area	39X25=975 Sq.ft
Objectives	To train the students on various techniques/ experiments Medical Physiology, General Physiology, Cell Biology and Biology Compulsory.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	401,411,421,413,423
Major Glasswares	All basic glasswares are available
Major Apparatus	Kymographs, spectrometer, pH meter, oven & refrigerator.

3. BS-III Laboratory

Lab Title	BS III Lab Physiology
Location and Area	25X30=750 Sq.ft
Objectives	To train the students on various techniques/ experiments of Neurophysiology, Sensory Physiology, Molecular Genetics, Fundamentals of Pharmacology, Haematology, Cardiovascular system & Pulmonary system.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	501,505,507,513,515,517
Major Glasswares	Basic glasswares are available

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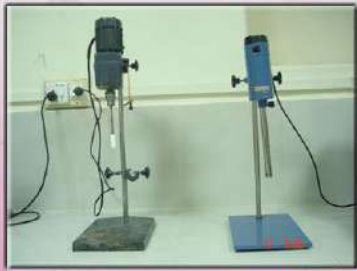
Major Apparatus	Video Microscope, UV/VIS Spectrophotometer, Blood Chemistry Analyzer, Microlab300, Blood Analyzer Incubator, Atomic absorption spectrophotometer.
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4. BS-IV Laboratory

Lab Title	BS -IV
Location and Area	20X25=500 sqr.ft
Objectives	To train the students on various techniques/experiments of Gastroentopancreatic system, Excretory system & acid base balance, Environmental Physiology, Patho-Physiology
Adequacy for Instruction	Lab Assistant, Lab Attendant
Courses Taught	601,603,613, 621
Major Glasswares	All basic glasswares available
Major Apparatus	Flame photometer, Oven, Refrigerator, Phase contrast Microscope, Spectrometers, balances, Blood Analyzer, Microtome.

5. Research Laboratory

Lab Title	Tissue Culture / Molecular Biology Lab
Location and Area	40X25=1000 sqr.ft
Objectives	Laboratory has been established for advance research on Tissue Culture / Molecular Biology.
Adequacy for Instruction	Lab Assistant, Lab Attendant
Major Glasswares	All basic glasswares available
Major Apparatus	Homogenizer, Centrifuge Machine, Refrigerated Centrifuge Machine, Thermomixer, Cryobath, Thermal Cycler, PCR (polymerase chain reactor), UV/VIS Spectrophotometer Electrophoresis, UV lamp, Safety Cabinet (Class I), Safety Cabinet (Class II),.



•For reducing small tissue samples to a homogeneous suspension for pathological, immunological and biochemical studies.

Blade homogenizers used to produce fine brie and extracts from plant and animal tissue



Centrifuge Machine

Accept 0.5ml to 2.0 ml tubes
rpm or rcf settings as required (from 500 rpm to 14000 rpm)
Used to separate DNA/RNA, PCR products and Protein (Enzymes)



•Refrigerated Centrifuge Machine

•Accept 0.5ml to 2.0 ml tubes
•Temperature range -9 – 40 °C
•rpm or rcf settings as required (from 500 rpm to 14000 rpm)
•Used to separate DNA/RNA, PCR products and Protein (Enzymes)



•Thermomixer

•Incubation from 99 °C to 13°C lower than RT.
•Mixing 300rpm to 500rpm, either continuous or at programmed intervals.
•Used to incubate for the enzymatic action, or mixing and shaking. For DNA/RNA extraction, Protein separation.



•Cryobath
•Temp -4°C


•Used to keep the sample at low temperature during various procedure



•Thermal Cycler
•PCR (polymerase chain reactor)




Used to simulate the conditions which results the cloning of gene or DNA segments of interest that can be used for various purpose.




UV/VIS Spectrophotometer

- Range 160 nm --- 900nm, covering the whole UV visible spectrum. Kinetic time based study.
- Used to quantify DNA/ RNA and proteins, to quantify and detect the purity of Extracted DNA/RNA or proteins. Also to quantify the PCR products.




•Electrophoresis

- Various Electrophoresis assemblies.
- From left to right Horizontal gel tank for Acetate membrane, Vertical gel tank for protein analysis, Horizontal gel tank for DNA analysis.




•UV lamp

- To visualize the DNA bands with the fluorescent dyes after Electrophoresis. In the studies about gene, mutation and diagnostic purpose.



•Blood Chemistry Analyzer
•Microlab300

- The analyzer is a software-controlled system for clinical chemistry. It is designed for both quantitative & qualitative in vitro analysis. The instrument uses a wide variety of tests like Glucose, Urea, Creatinine, various enzymes and drug tests.
- The analyzer is capable of meeting almost all the requests of a clinical tests.



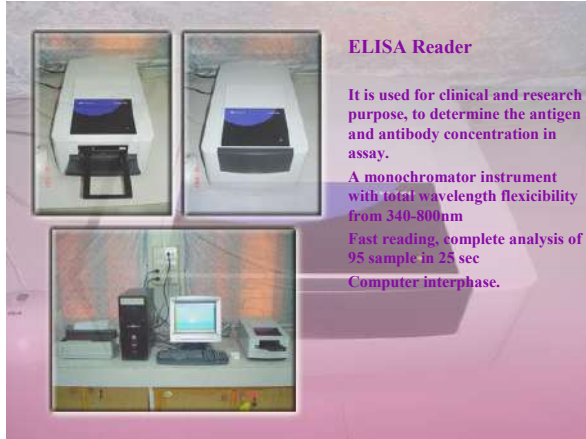
•Blood Analyzer

Measure 18 blood parameters simultaneously:
WBC, RBC, Platelets, HB, MCV etc.
Complete Automatic operation, microprocessor based control. Attachment with computer and printer.
Variety of quality control programs and data management.



•Microtome

- Used to cut biological specimens into very thin segments for microscopic examinations.



ELISA Reader

It is used for clinical and research purpose, to determine the antigen and antibody concentration in assay.

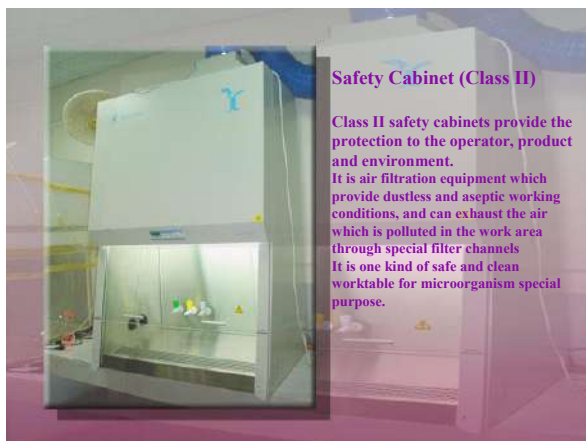
A monochromator instrument with total wavelength flexibility from 340-800nm

Fast reading, complete analysis of 95 sample in 25 sec
Computer interphase.



Safety Cabinet (Class I)

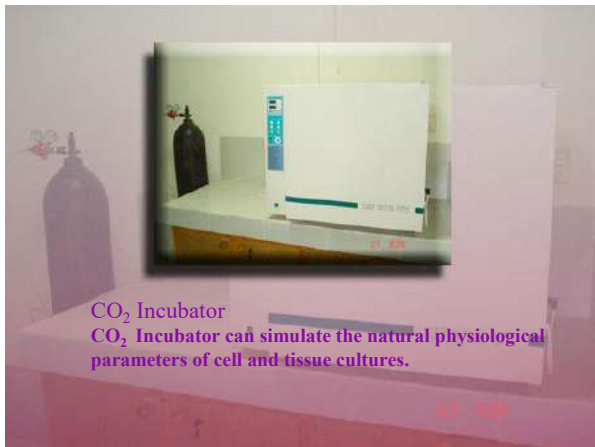
It is air filtration equipment which provide dustless and aseptic working conditions, provided with the HEPA filter, which provide safety to the product used for tissue culture purpose



Safety Cabinet (Class II)

Class II safety cabinets provide the protection to the operator, product and environment.

It is air filtration equipment which provide dustless and aseptic working conditions, and can exhaust the air which is polluted in the work area through special filter channels
It is one kind of safe and clean worktable for microorganism special purpose.



CO₂ Incubator

CO₂ Incubator can simulate the natural physiological parameters of cell and tissue cultures.

DEPARTMENT OF POLITICAL SCIENCE

- To establish a computer lab in which 20 computers and split AC must be installed along with necessary equipment is needed to promote the research aura for faculty as well as students (Approval required) .
- Looking forward to determining the keen interest of the faculty and students towards the research activities; it is planned that a wireless internet facility may be provided in the Department so that we all get facilitated while sitting in the department's library area. (Funds will be required)
- The department needs some extra exclusive budget in order to arrange academic programs such as: ** Seminars, ** Workshops, ** Symposiums**Annual conferences.

CHAPTER-8: STRENGTHENING TECHNOLOGICAL INFRASTRUCTURE

There are adequate number of computers in the departments of the University for Students and Faculty use.

For Students' Use		
	Number of computers for students use in the University? (Excluding Prime Minister and Chief Minister Laptop Schemes) @ Main Campus	1500
	SU Badin Campus	53
	SU Mirpurkhas Campus	35
	SU Dadu Campus	45
	SU Larkana Campus	24
	SU Naushahro Feroz Campus	10
	SU Bhitshah Campus	20
For Faculty's Use		
	Number of computers for faculty use in the University? @ Main Campus	248
	SU Badin Campus	7
	SU Mirpurkhas Campus	15
	SU Dadu Campus	9
	SU Larkana Campus	7
	SU Bhitshah Campus	5

8.1 LIBRARY

The University has Allam I.I Kazi Central Library besides various libraries in many departments, which provide all necessary syllabi books for the students.

Main Campus and Sub-Campuses		As on 30-06-2015
	Number of Books available at each campus (Excluding electronic books). Allama I.I Kazi Central Library @ Main Campus –Purchased Books	328232
	Allam I.I Kazi Central Library @ Main Campus –Gift Books	44690
	Badin Campus	4215
	Mirpurkhas Campus	1387
	Dadu Campus	2780
	Larkana Campus	197
	Thatta Campus	109
	Bhitshah Campus	171
	Naushahro Feroz Campus	154

8.2 PERN

THE DETAILS ABOUT PERN BANDWIDTH IN THE UNIVERSITY

Sources	2014		2015	
	Bandwidth (In MBs)	%age Utilization	Bandwidth (In MBs)	%age Utilization
HEC PERN Bandwidth	48	80%	48	85%
Other ISPs	512	80%		

8.3 VIDEO CONFERENCING

The Video Conferencing Room situated at the office of the Dean, Faculty of Natural Sciences, is equipped with latest Sound system and Visual Aids and is comfortable and at a peaceful place. It has high quality lighting arrangements, stand-by generator and UPS system. Various Conferences, Training Workshops, Seminars and online Video Conferencing are done on regular basis.

8.4 CAMPUS MANAGEMENT SOLUTION

As an initiative to Management of Campus, Students' Attendance System has been developed and deployed among all departments of the University and attendance from every department can be checked on a local server system.

8.5 WEB PORTAL

The University of Sindh has its own Web Portal viz. usindh.edu.pk and Administered by Dr. Kamran Brohi, Institute of Mathematics and Computer Science.

8.6 DEVELOPMENT OF ONLINE ADMISSION SYSTEM

The online attendance system is under way for the convenience of the students and pay of fees online and through cell phones. In this regard, various meetings have been arranged with famous mobile companies and their proposals are under consideration.

CHAPTER-9: UNIVERSITIES BUILDING COMMUNITIES

9.1 UNIVERSITY COMMUNITY INTERACTION

CENTRE FOR PHYSICAL EDUCATION, HEALTH AND SPORTS SCIENCES

- Free sports coaching camps for the community people specially young generation
- The Incharge Director is member of Managing Committee of S.O.S Jamshoro Village at Sindh University Conlony Jamshoro

9.2 UNIVERSITY'S ROLE IN BUILDING COMMUNITY

From time to time there have been various Community outreach programs during the fiscal year 2014-15 list below:

Serial No.	Name of Community Outreach Project	Main tasks	Participants	Start Date	End Date
1	Health & Hygiene	information	300+	1/10/2014	1/10/2014
2	Health & Hygiene	information	200+	2/1/2015	2/1/2015
3	Health & Hygiene	awareness	350+	5/5/2015	5/5/2015
4	International Childrens' Film Festival			9th Feb -2015	14th Feb- 2015
5	Latif Shanasae Week	to introduce message of Shah Abdul Latif Bhittae	5110	25.06.2015	30.06.2015
6	Career Development Workshop	Career Development	44	6th January 2015	6th January 2015
7	MS Sharepoint server and office 365	awareness	35	14th April 2015	14th April 2015

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8	Free Hepatitis Camp	awareness	600	27th Oct 2014	28th Oct 2014
9	Awareness workshop regarding hygienic foods, safe drinking water held at SU Model School	awareness	1000	29th Aug 2014	29th Aug 2014
10	Latif Shanasae Week	to introduce message of Shah Abdul Latif Bhittae	5110	25.06.2015	30.06.2015

CENTRE FOR PHYSICAL EDUCATION, HEALTH AND SPORTS SCIENCES

- By conducting sports coaching camps at Sindh University, Ground
- By guiding youth about the importance of health education through various deliberations

CHAPTER-10: SPORTS

10.1 INTER-DEPARTMENTAL SPORTS

DEPARTMENT OF POLITICAL SCIENCE

Department has participated in Cricket and Badminton games respectively.

Boys: Cricket & Badminton.

Girls: Badminton.

INSTITUTE OF ENGLISH LANGUAGE AND LITERATURE

2014

1. First Sports Gala- Including various games and sports Inter-class level
2. Food Mela (Food and Books)
3. Study Tour
4. Volunteers service in Thar for funding and charity

2015

Attained Karachi Literature Festival (All students and Faculty Members)

Sports/ Games

2015- Boys

1. Cricket (Boys)- Reached at semifinal in Interdepartmental Sports
2. Badminton (Boys)- Qualified at Quarterfinal Level in Interdepartmental Sports

2015- Girls

1. Badminton (Girls)- Runner-up- Inter-departmental Level
2. Tug of War (Girls)- Third Position- Inter-departmental Level

CHAPTER-11: UNIVERSITIES BUILDING LEADERSHIP

11.1 FACULTY LEADERSHIP (AWARDS AND REPRESENTATION IN GOVT POLICY MAKING COMMITTEES, MEMBERSHIPS ON VARIOUS COUNCILS ETC)

PAKISTAN STUDY CENTRE

Dr.Shuja Ahmed Mahesar, Associate Professor is engaged in the government committees on various councils:

- Member, Board of Governors, Pakistan Study Centre, University of Karachi nominated by the Higher Education Commission, Islamabad
- Chairman, Provincial Curriculum Review Committee of Education and Literacy Department, Government of Sindh, Karachi for preparation of Secondary and Higher Secondary courses,
- Member, Scrutiny Committee of the Faculty of Social Sciences, University of Sindh, Jamshoro
- Convener, Peace Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2012 to-date.
- Convener, Research and Publication Committee of Pakistan Study Centre, University of Sindh, Jamshoro from January 2010 to-date.
- Subject Expert at the Shah Abdul University, Khairpur and conducted a number of M.Phil and Ph.D scholars' Viva Voce Examinations.
- Member, Purchase Committee, Pakistan Study Centre, University of Sindh, Jamshoro
- Member of Syllabus Revising Committee
- Member of Monitoring and Evaluation Committee
- Member for Management of Library and Information Sciences
- Member of Royal Historical Society, London, UK
- Member of UNISON, UK
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro

2. Dr.Farzana Baloch, Professor is engaged in government committees on various councils:

- Secretary, Board of Governors, Pakistan Study Centre, University of Sindh, Jamshoro March 2012 to-date.
- Member, Editorial Board Member of Annual Research Journal ASEAN of Area Study Centre Far East & South East Asia, University of Sindh from 2012 to-date.
- Member, National Curriculum Revision Committee [NCRC] in the discipline of Pakistan Studies by the Higher Education Commission, Islamabad from October 2012 to-date.

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- Convener, Books Purchase Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2010 to-date.
- Convener, Peace Committee, Pakistan Study Centre, University of Sindh, Jamshoro from October 2012 to-date.
- Convener, Selection Committee of Pakistan Study Centre, University of Sindh, Jamshoro from March 2012 to-date.
- Convener, Research and Publication Committee of Pakistan Study Centre, University of Sindh, Jamshoro from January 2010 to-date.
- Member, Purchase Committee [office stationary and other equipment's] of Pakistan Study Centre, University of Sindh, Jamshoro from July 2004 to August 2008 and then from January 2010 to-date.
- Member, Organizing Committee of "Annual Prize Distributions Ceremony" by the Bureau of Students Tutorial, Guidance/Counseling Services and Co-curricular Activities (STAGS), University of Sindh, Jamshoro from 2005 to-date.
- Coordinator, Allama Iqbal Open University, Regional Campus, Hyderabad.
- Coordinator, Population Department, Government of Sindh, Karachi
- Member, Scrutiny Committee, Faculty of Social Sciences, University of Sindh, Jamshoro.
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro.
- Member of the Panel Supervisors for M.Phil., Ph.D scholar at Area Study Centre Far East & South East Asia, University of Sindh, Jamshoro

11.2 STUDENT LEADERSHIP (CO-CURRICULAR ACTIVITIES: UNIVERSITY DRAMAS, EXHIBITIONS, EXPOS, COMPETITIONS, DEBATES AT NATIONAL AND INTERNATIONAL LEVELS)

The following co-curricular activities have been arranged every year by various departments in the University.

- Inter- Department
- Debates/Declamation Contests
- Quiz
- Essay Competition
- Naat
- Qirat
- Music Competition
- Fun Fair
- Cultural Show
- Entertainment activities
- Picnic-cum- Cultural Tours

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Besides the above activities following programs held in various department/ centre of the University.

PAKISTAN STUDY CENTRE

The Pakistan Study Centre, University of Sindh, Jamshoro organized and celebrated 23rd March in which students have participated in dramas, competitions and debates etc.

DEPARTMENT OF POLITICAL SCIENCE

Students participated in Fun mania fair organised by Public Administration on March 24-25, 2014 and department stood First in the two-day activity.

CHAPTER-12: FINANCE

12.1 ANNUAL STATEMENT OF ACCOUNTS

THE ANNUAL ACCOUNTS OF THE UNIVERSITY OF SINDH FOR THE YEAR

2014-15, Revised Estimate (Recurring) for the year 2013-2014 and the Budget Estimates (Recurring) for the year 2014-2015 recommended by Finance & Planning Committee in its 95th meeting held on 06-06.2014 were approved in the 188th meeting of Syndicate held on 19.07.2014.

1. ANNUAL ACCOUNTS FOR THE YEAR 2012-2013

	<u>(Rs. in Million)</u>
i) Receipt	Rs. 3079.098
ii) Expenditure	<u>Rs. 2494.500</u>
iii) Surplus	<u>Rs. 584.598</u>

2. REVISED BUDGET (RECURRING) 2013-2014

i) Receipt	Rs. 2761.593
ii) Expenditure	<u>Rs. 2780.126</u>
iii) Deficit	<u>Rs. -(18.533)</u>

3. BUDGET ESTIMATES (RECURRING) 2014-2015

i) Receipt	Rs. 2570.121
ii) Expenditure	<u>Rs. 3824.146</u>
iii) Deficit	<u>Rs. -(1254.025)</u>

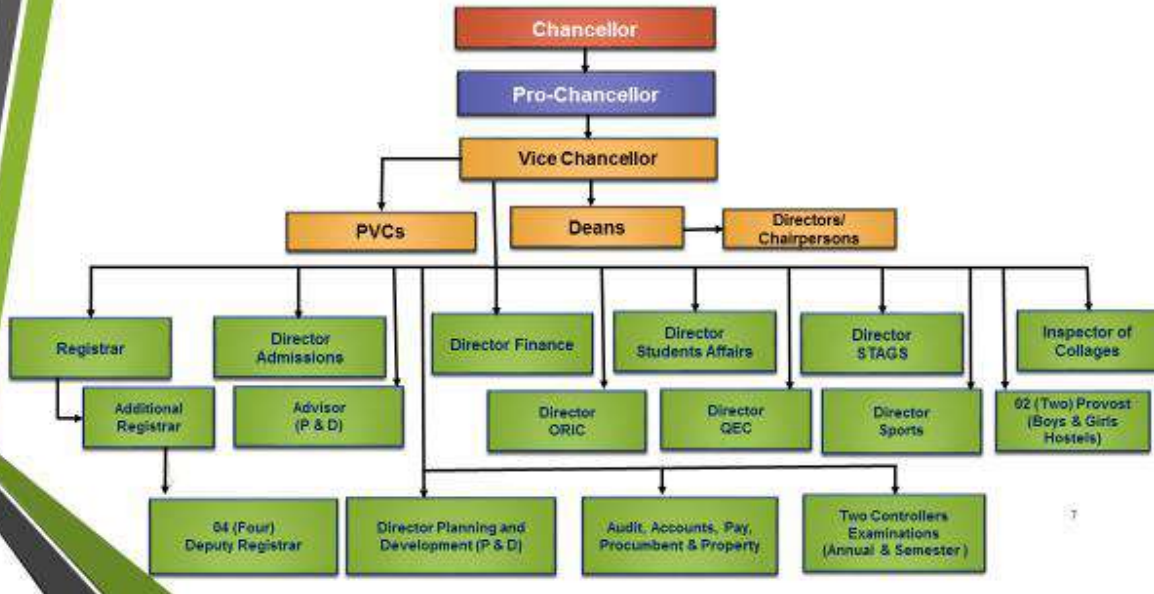
The following allocations have been provided for the academic side other than salaries.

	<u>(Rs. in Million)</u>
Machinery Equipments Chemical Glassware:	44.720
Books, Newspapers, Journals/Printing of Journals:	17.700
Faculty Development/ Research:	82.000
Sports Games / Hostel Students Service / Scholarships /	8.700
Prize Medals Bursaries Freeship & Half Freeship:	
Conferences, Seminars etc.	4.000
University Linkage Program:	0.500
Transport Facilities to Students:	26.000
Conduct of Examinations:	120.000

Budget deficit of Rs. 1254.025 million is mainly due to the Federal Government announcement of Adhoc Relief @ 10% of Basic Pay, and increase in pension 10%, enhancement of conveyance allowance from BPS-2 to 15 @ 5%, which have also been approved by Syndicate in its meeting held on 19-07-2014 and impact of vacant posts.



Administration Hierarchy



13.1 SYNDICATE MEETINGS

The following Syndicate Meetings have been held during the fiscal year 2014-2015

1. 188th Syndicate meeting held on 19.07.2014
2. 189th Syndicate meeting held on 09.08.2014
3. 190th Syndicate meeting held on 22.11.2014
4. Special Syndicate meeting held on 20.12.2014
5. 191st Syndicat meeting held on 09.04.2015

CHAPTER-14: OFFICE OF RESOURCE GENERATION/ DEVELOPMENT

14.1 INITIATIVES AND IMPLEMENTATION

INSTITUTE OF GENDER STUDIES

The ultimate goal of institute of Gender studies is to create awareness among women regarding their social, economic and legal rights and improve their status through formal and informal education. The Inter disciplinary progress is there to build their confidence and to enhance their hidden skills and ability to face different challenges in different fields, and to provide high quality education at international level in gender studies. As to inspire and prepare the students for leadership positions with the understanding of the strategic value of their work, so they can effectively participate in the development of women and operation of the government and non-government organizations and to achieve successful careers in the fields to serve the nation, country, region and globe.

To conduct and promote scientific research and its application for the advancement of Gender Studies, in food and nutrition and in rural and urban communities to disseminate new knowledge through publications, conferences, seminars and workshops.

CHAPTER-15: HEALTH CENTRE/MEDICAL FACILITIES

15.1 MEDICAL FACILITIES AVAILABLE

HEALTH CARE FACILITIES FOR EMPLOYEES / DEPENDENTS / PARENTS UNIVERSITY OF SINDH, JAMSHORO

Summarized Benefits:

Dependent Age Limit: (Son upto 28 years) and No Age Limit for Un-married Daughters

PARTICULARS	CATEGORY A GRADE 17 TO 22 (Rs.)	CATEGORY B GRADE 2 TO 16 (Rs.)
Annual limit per insured person except parents	Rs.4,75000/=	Rs.3,60000/=
<p>Medical care for Prolonged/serious ailment: Required full medical treatment for following disease with the hospital</p> <p>(a) Cancer (b) Aids (c) Renal failure (Kidney failure)/Dialysis and Transplant (d) Heart Disease/ Hypertension (Cardio Vascular Disease) By pass Angioplasty and pace maker installation (e) Diabetes (f) Asthma/ T.B (g)GVP/Stroke/Paralysis (h) Chronic Hepatitis B & C and Liver diseases (i) Burns injury (over 25%) (j) Rheumatoid/ Arthritis, Oste Arthritis / Total knee / Hip replacement (k) Chronic Bowel Disease like peptic Ulcer (l) Ulcerative Colitis, Crohh's disease (m) Eye, ENT and Dental (Accidental case) Any other disease declared by the Specialist/Consultant as serious/ prolonged ailment to the satisfaction of the University of Sindh (n) Dermatological diseases (except cosmetics) (o) Day Care OPD (p) Congenital diseases (q) Dengue virus (r)Thalassemia</p>		
Annual Limit for Parents	Rs.100,000	Rs.75,000
50% increase in basic hospitalization limit, if the hospitalization is due to an accident.	Yes	Yes
Daily Room Rent to be covered from annual limit	Rs.14,000	Rs.4,200
Specialized investigations to be covered out of annual hospitalization limit	Full Cover	Full Cover
Maternity expenses limit:		
*Normal at Hospital	Rs.35,000	Rs.30,000
**Cesarean at Hospital	Rs.60,000	Rs.50,000

***Dai (Home Nurse) / Delivery conducted at home	Rs.8,000	Rs.8,000
Accidental cases (Dental) to be covered from annual hospitalization limit	Covered	Covered
Circumcision of baby boy covered from annual hospitalization limit (Age Limit 05 Years)	Rs.5000	Rs.5000

Procedure for Hospitalization:**Emergency Case:**

- Proceed to the nearest Hospital. Go to the Emergency ward. In case a doctor recommends admission, just present your Health Card to the Admission office / Reception Counter / Corporate office. In case of non-panel hospital, you can pay cash and then seek for re-imburement.

Non-Emergency / Planned Procedures / Elective Cases:

- If the consultant advises admission in case of planned procedure, please get the approval from Facilitation Cell for Group Health at least 2 working days in advance through Pre-Authorization Form which is already available in the Network / Panel Hospitals.

Documents required for Claim Re-imburement:

- Copy of NIC and Health Card
- Claim Form duly signed by the Treating Consultant / Surgeon
- Original Itemized Hospital Bill
- Original Payment Receipts
- Prescription for Medicines
- Lab Test Reports
- Birth Certificate (in case of delivery)

Some Standard Exclusions:

- Hospital admission not medically required and undertaken specifically to conduct the diagnostic and other tests.
- Suicidal attempt and involvement in any illegal, criminal or terrorist activities.
- Infertility, Sterilization or Contraception.
- Any professional sports related injuries. Example; Sky Diving, Mountaineering, Boxing, Scuba Diving etc.
- Sexually transmitted diseases
- Contamination of any Nuclear or Radio activities.
- Cosmetic Treatment
- Eye Glasses, Contact Lenses, Hearing Aids, Artificial Limbs, External Prosthesis etc.

Following Panel Hospitals provide Medical Facilities to the Employees in Hyderabad City by the University viz. agreement with the United Insurance Company Ltd.

Hospital name
Red Crescent Cardiac hospital (Unit # 02
Aga khan hospital (0333- 2689637 (Husain
Red Crescent General Hospital (Unit No -06
Bone Care Trauma Centre
Maajee Hospital
Wali bhai Rajputana Hospital (0333-2609074)