

Annual Report 2015-16



**University of Sindh
Jamshoro**



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VICE CHANCELLOR'S MESSAGE

Higher education is more than the next level in the learning process; it is a critical component of human development worldwide. It provides not only the high-level skills necessary for every labor market but also the training essential for teachers, doctors, nurses, civil servants, engineers, humanists, entrepreneurs, scientists, social scientists, and a myriad of other personnel. It is these trained individuals who develop the capacity and analytical skills that drive local economies, support civil society, teach children, lead effective governments, and make important decisions which affect entire societies. An educated populace is vital in today's world, with the convergent impacts of globalization, the increasing importance of knowledge as a main drive, of growth, and the information and communication revolution. Knowledge accumulation and application have become major factors in economic development and remain increasingly at the core of any country's competitive advantage in the global economy.

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

We hope students will be inspired by the many fascinating facets that make University of Sindh a leading Pakistani University and their grooming in its peaceful academic environment will influence the future.

The University is committed to advancing students' academic growth and helping them in carving out successful career. Together, we can stride confidently into the future, with University of Sindh making ever-greater contributions in education, research, leadership and public engagement, locally and globally.



Prof. (Meritorious) Dr. Muhammad Siddique Kalhoro

Vice Chancellor

Email: vc@usindh.edu.pk



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 provided for greater autonomy and representation of teachers.



VISION OF THE UNIVERSITY

The vision of the University of Sindh is to enhance its position as a premier seat of higher learning in the country and to achieve international distinction for creativity, innovation and excellence.

MISSION STATEMENT OF THE UNIVERSITY

To develop human resources 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.

AIMS

- Academic excellence in education and research
- To maintain the academic and research standards through quality assurance processes
- Develop and maintain a close collaboration with industry to generate funding opportunities and job opportunities for the students
- Provide an exceptional student experience with best facilities of learning, carrier counselling, diversity, co-curricular activities, and social interaction
- Implementation of state of the art ICT infrastructure and services for staff and students throughout campuses

CHAPTER-1: ACADEMIC ACTIVITIES

1.1 UNDERGRADUATE, POST GRADUATE AND GRADUATE PROGRAMS

Undergraduate(16 Years)

Campus	16 Years Programs	17 Years Programs
Allama I.I.Kazi, Jamshoro (Main Campus)	54	2
Elsa Kazi, Hyderabad	2	-
Sub- Campus	22	-
Total	78	2

Masters (16 Years)

Campus	No. of Programs
Allama I.I.Kazi, Jamshoro (Main Campus)	47
Elsa Kazi, Hyderabad	4
Sub- Campus	10
Total	61

Masters (17&18 Years)

Campus	Programs
Allama I.I.Kazi (Main Campus)	8
Elsa Kazi, Hyderabad	-
Sub- Campus	-
Total	8

MPhil

Campus	No. of Programs
Allama I.I.Kazi, Jamshoro (Main Campus)	49
Elsa Kazi Hyderabad	1
Sub- Campus	-
Total	50



PhD	
Campus	No. of Programs
Allama I.I.Kazi (Main Campus)	40
Elsa Kazi,Hyderabad	1
Sub- Campus	-
Total	41

Affiliated Colleges (Government/Public)	No.
Government Colleges offering BA/ B.Sc/ BCS/BCIT/ B.Com/ BBA/ LLB, MBBS and Homeopathic Degrees	63 (69)
Government Colleges offering Masters Degrees	10
Private Colleges	17(19)
Total	90

ACADEMIC ACHIEVEMENTS**Research Collaboration for the production of Anti Snake Venom**

Nigerian Professor Dr. Ruskuwa Shehu Ex- Vice Chancellor Sokoto University and Present President Toxinology Society of Nigeria and Dr. Achor Muhammad visited the Institute of Biochemistry, University of Sindh Jamshoro regarding the Research Collaboration for the production of Anti Snake Venom. Snake Bite is a major health problem in Asia and Africa. The scarcity of Anti Snake Venom in most of the Asian and African countries is now to a tragic level

Gold Medal for outstanding Research

Pakistan Academy of Sciences Islamabad has awarded Gold Medal to Dr. Shahabuddin Memon, Director, Center of Excellence in analytical Chemistry Uni of Sindh, Jamshoro in recognition of his outstanding research work in Chemical Sciences for the year 2015. The award was given in a ceremony held at Islamabad.

New research unearths bacteria cells jointly give birth to diseases

Dr. Abdul Nabi Mirjat has discovered that bacteria cells communicate with one another and they give birth to different diseases like pneumonia when they are gathered on a single platform. He unearthed it in his PhD thesis which he completed on the topic “Quorum-sensing (QS)” in microbiology at Ocean University Qingdao, China.



1.4 FOREIGN ACADEMIC LINKAGES

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
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	Memorandum 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	Memorandum 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).

- **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”

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 has 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

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.

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 Bhanger.

• 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

THE SUMMARY OF PUBLICATIONS OF UNIVERSITY OF SINDH:

- 92 paper(s) with 1 author(s)
- 104 paper(s) with 2 author(s)
- 209 paper(s) with 3 author(s)
- 329 paper(s) with 4 author(s)
- 203 paper(s) with 5 author(s)
- 58 paper(s) with 6 author(s)
- 5 paper(s) with 7 author(s)


THE STATISTICS OF RESEARCH PUBLICATIONS DURING 2015-16

Cites/year: 586.00 Cites/paper: 0.59/0.0/0 (mean/median/mode) Cites/author: 147.66 Cites/author/year: 147.66 Papers/author: 346.90 Authors/paper: 3.64/4.0/4 (mean/median/mode) h-index: 10 (28%) g-index: 14 (35%) e-index: 7.94	hc-index: 24 hl-index: 2.22 hl,norm: 4 hl,annual: 4.00 hm-index: 5.88 AW-index: 24.15 AWCR: 583.00 AWCRpA: 146.82
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LIST OF "X" AND "Y" CATEGORY PUBLICATIONS

Name of Authors	Title of Research Paper	Name of Journal	Cat of Journal	V#
K. UMER, M. ALI, R. IQBAL, N. T. NAREJO, A. R. ABBASI	Effect of Various Concentrations of Protein, Fat and Carbohydrate in Diet on Growth and Body Composition of Most Economically Important Fish in Pakistan, <i>Labeo rohita</i>	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
A. N. SOOMRO, S. A. BALOUCH, T. M. JAHANGIR, W. A. BALOCH, K. H. LASHARI, W. M. ACHAKZAI, T. J. URSANI	Fish, Plankton Biodiversity and Physico-Chemical Parameters of Five Lakes of Deh-Akro	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
S. JALBANI, N. T. NAREJO, Y. M. JALBANI, R. IQBAL	Orphometric characters and their relationship in relation total length in <i>Cirrhinus reba</i> (Hamilton) from Manchar Lake, District Jamshoro, Sindh, Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 2

S. A. SHAH, A. MALIK, H. KALHORO, I. B. KALHORO, G. M. WADHAR, G. M. MAHER	Growth performance of exotic catfish Pangas, <i>Pangasius hypophthalmus</i> (Sauvage, 1878) at Fish Hatchery ChilyaThatta, Sindh.	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
W. M. ACHAKZAI, S. W. M. ACHAKZAI, W. A. BALOCH, G. R. QAMBRANI, A. N. SOOMRO	Ength-Weight Relationship and Condition Factor of Tank Goby <i>Glossogobuis giuris</i> (Hamilton and Buchannan, 1822) from Manchar Lake District Jamshoro, Sindh, Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
S. KULACHI, A. FAROOQ, K. UMER, N. T. NAREJO, M. ALI, I. AHMED, R. IQBAL	Evaluation of Meat Quality of <i>Channa marulius</i> Under Different Cultural Condition.	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
A. MALIK, A. R. ABBASI, I. B. KALHORO, S. A. SHAH, N. T. NAREJO, H. KALHORO	Effect of Ovaprim Hormone (Syndel Laboratory, Canada) on Spawning of Koi Carp at Fish Hatchery Chilya Thatta, Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
A. M. JAKHRANI, S. JALBANI, N. T. NAREJO, A. ANJUM, Y. M. JALBANI	Studies on the Prevalence of Ecto Parasites of Gulfarm (<i>Cyprinus Carpio</i>) from Carp Fish Hatchry District Badin, Sindh.	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
F. MEMON, N. T. NAREJO, A. R. ABBASI, A. M. SOOMRO, K. P. KUNBHAR	Lood and offal tissue lead levels of Goats, sheep and chickens farmed near Battery Recycling smelters of Hyderabad Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 4

A. MALIK, B. WARYANI, I. B. KALHORO, H. KALHORO, S. A. SHAH, N. T. NAREJO	Observe the Growth Performance and Adaptation of Exotic Fish Red Tilapia(hybrid) in climate of Fish Hatchery Chilya, Thatta, Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
S. AKHTAR, M. R. DHANANI	Rural Central Places in Karach	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
S. AKHTAR, M. R. DHANANI	Level Change: Causes and Impacts: A Case Study of Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
K. A. MEMON, M. H. AGHEEM, S. H. SOLANGI, I. SIDDIQUI, H. NAZ, I. A. BROHI	Road Deposited Sediments and dust particles of selected roads of Hyderabad, Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
Q. D. KHOKHAR, A. A. DAAHAR HAKRO, S. H. SOLANGI, I. A. BROHI, A.H. MARKHAND	Textural Maturity and Depositional Environment of Bara Formation at Ranikot	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
Q. D. KHOKHAR, A. S. MASTOI, A .H. MARKHAND, S. A. SHAIKH, G. N. SHAIKH	Ajor elements of Bara Formation at Ranikot Fort, Southern Indus Basin, Pakistan.	Sindh University Research Journal (Science Series)	X	Vol 46, No 2

I. A. BROHI, S. A. BALADI, A. G. SAHITO, A. U. BROHI, M. K. SAMOON, K. A. MEMON	Stratigraphic Prospects and Structural Analysis of the Rois Anticline Thanu Bula Khan, Jamshoro, Sind	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
S. H. SOLANGI, S. A. ABBASI, Anwar ALI, S. ASIM, R.A. LASHARI, I. A. BROHI, I. SIDDIQUI	Study of Subsurface Structural Trend and Stratigraphic Architecture Using Seismic Data A Case Study from Zindapir Inner Folded Zone, Sulaiman Sub-Basin, Pakist	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
S. AHMED, S. H. SOLANGI, I. A. BROHI, Q. D. KHOKHAR, R. A. LASHARI	Study of Stratigraphy and Structural Styles in the Subsurface of Southern Sindh Monocline, Pakistan: Using Seismic and Well Dat	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
Q. D. KHOKHAR, S. H. SOLANGI, A.A.A DAAHAR HAKRO, S. A. ABBASI, I. A. BROHI, M.A. PATHAN	Lithofacies of Bara Formation at Wadi Sawri Nala Section, Northern Laki Range, Southern Indus Basin	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
A. SHAH, M. Y. KHUHAWAR, A. A. SHAH	Synthesis and Characterization of Newly Schiff Base Polymers of 4, 4'-Methylene Bis (Cinnamaldehyde) With Urea and 1,2-Phenylenediam	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
A. A. MAJIDANO, N. A. SODHO, G. N. RAJPER, M. ALAMGIR, M. Y. KHUHAWAR	Liquid Chromatographic Determination of Dopamine, Methyldopa, L-dopa and Tyrosine in pharmaceutical preparations using 4-Dimethylaminebenzaldehyde as a Derivatizing Reag	Sindh University Research Journal (Science Series)	X	Vol 46, No 1

A. SHAH, M. Y. KHUHAWAR, A. A. SHAH	Viscometric Study of 4,4' Naphthyl bis(oxy) bis benzaldehyde and its Schiff Base Polymers in DMAc Solution at different temperature	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
F. M. KANHER, T. S. SYED, T. M. JAHANGER, M. Y. KHAHAWAR, G. H. ABRO	Evaluation of Gamma Irradiation on Cotton Genotypes Fruiting Parts and Infestation of Spotted Bollworm, Earias Vittell	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
N. CHANNA, A. KERIO, K. T. PATHAN, M. S. ABBASSI	Decomposing and Rewriting Semantic Product Data Model Based on the Expressive Language ALCNHR*K(D) and Description Log	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
N. Channa, A. Kerio, K. T. Pathan, Q-UL- NIZAMANI	Semantic and Ontology Based methods for constructing Product Knowledge in OWL	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
D. N. HAKRO, I. A. ISMAILI, A. Z. TALIB, Z. BHATTI, G. N. MOJAI	Issues and Challenges in Sindhi OC	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
D. N. HAKRO, 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	Vol 46, No 3

S. NIZAMANI, SAAD NIZAMANI, SEHRISH NIZAMANI, I. A. ISMAILI	On the computational models for the analysis of illicit activities	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
Khuhro, Z. U. A., F. N. Memon, A. P. Harrison,	CORONATION: Comparison of RibO Nucleic Acid Tertiary's Involving Overlapping Network	Sindh University Research Journal (Science Series), ISSN 1813-1743,	X	46(3), pp~385-392.
Rashad, M., I. Ahmad, M. Shah, Z. U. A. Khuhro,	Left Transitive AG-Groupoid	Sindh University Research Journal (Science Series), ISSN 1813-1743,	X	46(4), pp~547-552.
N. KHAN, M. SHERAZ, R. KHAN, I. KHAN, I. A. SHAH, M. A. MEHMOOD, S. JAN	Performance Analysis of Various Relay Selection Schemes in Rayleigh, Rician and Nakagami Fading Channels with Parallel AF Relay	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
K. B. AMUR, M. S. CHANDIO, I. A. JUNEJO	FEM based Numerical Approximation Model for the Ambrosio–Tortorelli Energy Model and the Numerical Simulation of the Edge Detection and Image Denois	Sindh University Research Journal (Science Series)	X	Vol 46, No 2

A. KEERIO, N. CHANNA, B. MITRA, R. YOUNG, C. CHATWIN	Acoustics of Isolated Vowel Sounds of Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
H. U. ABBASI, M.U.R. MAREE, K. T. PATHAN, N. A. KANASRO, S. SOOMRO	Temporal Change of Mancher Lake Through Landsat Satellite Image	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
Z-U-N. MEMON, M. S. CHANDIO, N. J. RAJPAR, S. F. SHAH, S. QURESHI, A. A. SHAIKH	On Local Error Bound of a Modified Ordinary Differential Equation Solve	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
A. W. SHAIKH, G. Q. MEMON, Z. A. KALHORO, S. H. A. MUTTAQI, A. K. SOOMRO, U. A. RIND	Starting flows for a fractional Oldroyd-B fluid between two coaxial cylinder	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
Z. U. A. KHUHRO, F. N. MEMON, A. P. HARRISON	CORONATION: Comparison of RibO Nucleic Acid Tertiary's Involving Overlapping Network	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
A. A. SHAIKH, M. S. CHANDIO	Computation of blood flow separation and reattachment length on Stenosed artery using Finite Element Metho	Sindh University Research Journal (Science Series)	X	Vol 46, No 4

Z. A. K. BALOCH, M. E. BALOCH, R. A. MEMON, H. SHAIKH	Computer Simulation of Lid Driven Deep Cavity Flo	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
A. KEERIO, N. CHANNA, Y. A. MALKANI,, B. QURESHI, J. A. CHANDIO	Acoustic Analysis of the Liquid Class of Consonant Sounds of Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
S. A. TUNIO, S. BANO, Z. A. PIRZADA, Z. RAJPUT, M. MAHESHWARI, S. AHMED, A. SOOMRO, S. K. MAHRAJ	Prevalence of Hepatitis C and Hepatitis B co-infections in District Hyderabad	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
A. R. RAJPAR, I. KHTRI, M. A. RUSTAMANI, S_UR_ REHMAN, B. A. PIRZADO	On some common Acridinae Grasshoppers found in Tandoja	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
A. R. RAJPAR, I. KHTRI, M. A. RUSTAMANI, S_UR_ REHMAN, B. A. PIRZADO	some common Acridinae Grasshoppers in Tandojam	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
N. SOOMRO, A. R. MEMON, S. ASLAM	emedial Measures of Health and Safety in Ginning Industry of Pakistan.	Sindh University Research Journal (Science Series)	X	Vol 46, No 2

S. KABIR, A. K. KHANZADA, W. SHAIKH, A. R. ABBASI	Study on Metal Analysis of Some Selected Medicinally Important Plants of (Seeds) of Family (Cucurbiteacea) Found in Sindh Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
A. K. KHANZADA, S. KABIR, W. SHAIKH	Determination of Essential Elements, Total Protein and Evaluation of Antifungal Activity of A Marine Alga <i>Codium Laevigatum</i> M Nizamuddin (Chlorophyta) Collected From the Coastal Areas	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
M. BALOCH, A. MEMON, S. N. MARI, A. W. BALOCH, S. ABRO, S. A. ABRO	Genetic Studies on Some Quantitative Traits in Upland Cotton (<i>Gossypium hirsutum</i>)	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
S. T. QURESHI, S. A. MEMON, B. WARYANI, A. R. ABASSI, W. PATOLI, Y. SOOMRO, H. BUX, F.A. BUGHIO	Gamma Rays Induced Phenotypic Mutations In Chickpea (<i>Cicerarietinum</i>)	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
A. KABIR, S. KABIR, A. J. PEIRZADO, M. BALOCH	etection of total Protein of (Red, Brown, and Green Algae) from Marine Algae Coast of Karachi Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
S. K. KHANZADA, A. KABEER, M. BALOCH	Isolation of Fatty Acid, Elements Protein Contents in Flowers of <i>Calendula Officinalis</i> L., from Jamshoro, Sindh	Sindh University Research Journal (Science Series)	X	Vol 46, No 4

M.A. JADOON, Z. A. KHAN, M. A. SHAH, I. KHAN, A. SHAH, S. JAN, M. A. MAHMOOD	SER and Outage Probability Analysis of Network Coding over Identical Terrestrial and Non-identical Satellite-terrestrial Fading Channel	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
B. A. BUGHIO, R. SULTANA, M. S. WAGAN, M. A. RAFI	Taxonomic study on the Occurrence of <i>Trilophidia annulata</i> (Thunberg) (Oedipodinae: Acridida	Sindh University Research Journal (Science Series)	X	Vol 46, No 1
K. SHAIKH, G. S. GACHAL, S. M. YUSUF, G. NABI, A.H. QADRI, A. AFGHAN	Hecklist and Distribution of Amphibian fauna in Sindh, Pakistan	Sindh University Research Journal (Science Series)	X	Vol 46, No 2
S. A. MEMON, S. A. SHAIKH, N. MEMON, M. A. SHAH, B. MAL, N. A. SHAH	Testicular Toxicity of Lambda Cyhalothrin Insecticide in Male Rabbits (<i>Oryctolagus cunicul</i>	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
B. MAL, N. MEMON, S. A. MEMON, M. A. SHAH, N. A. SHAH, A. ANSARI	First Record and Redescription of <i>Tarucus Theophrastus Fabricius</i> (Papilionoidea, Lycaenidae) from Jamsho	Sindh University Research Journal (Science Series)	X	Vol 46, No 3
M. A. RUSTAMANI, I. KHATRI, M. H. LEGHARI, R. SULTANA, A. S. MANDOKHAIL	Trichomes of Cotton Leaf as an Aspect of Resistance to Sucking Insect Pest	Sindh University Research Journal (Science Series)	X	Vol 46, No 3

B. A. BUGHIO, R. SULTANA, M. S. WAGAN, S. A. CHANNA	Orphological study with special reference to Phallic complex of two important grasshoppers from Pakistan .	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
R. SULTANA, A. SOOMRO, M. S. WAGAN, B. A. BUGHIO, Y. S. WAGAN	Incidence of Mermis nigrescens Dujardin (Mermithida: Mermithidae: Nematoda) in paddy grasshopper	Sindh University Research Journal (Science Series)	X	Vol 46, No 4
Ali Muhammad Soomro, Naseem A. Channa, Zulfiqar Ali Laghari	Allethrin induced histological and biochemical changes in liver of Rabb	Medical Channel.	Y	20(3): 38-40.
Ibtessam Tahir Ansari, Allah Nawaz Memon, Allah Buxghanghro, Mumta z Ali Sahito, Nazo Noor Ulain, Zainababeer Ansari, Shaista Khan, Imran Suheryani. Http://Www.Scopemed.Org/?Mno=159531	Association Of Rice Allergy With Asthma And Serum Ige Levels In Different Age Group	Rawal Medical Journal	Y	39 (3)
Wahid Bakhsh Baloch, Allah Nawaz Memon, Hassan Imran Afridi, Allah Bakhsh Ghanghro, Abdul Hameed Lanjwani. Http://Www.Scopemed.Org/Fulltextpdf.Php?Mno=154868	stimation Of Trace And Toxic Metals From CitrullusColosynthis Lin: A Medicinal Plant Of District Kech, Balochistan Pakistan.	Rawal Medical Journal	Y	39 (3)

MubeenaLaghari, FatehuddinKhand, NaseemAslamChanna and Haji khan KhoHarO.	Evaluation of dietary and biochemical risk factors involved in the pathogenesis of bladder stones in children of below ten years age at Hyderabad	Med Forum.	Y	25(2): 88-91
Shaista Khan, Allah Bux Ghanghro, A.N Memon, Muhammad Yakoob Khan, Ibtessamtahir. Http:// Www.Researchgate. Net/Publication/2629 73800_Immunologica l_Study_Among_The _Workers_Of_Bakery _And_Flour_Mill_In_ Hyderabad_And_Adj oining_Areas	Immunological Study Among The Workers Of Bakery And Flour Mill In Hyderabad And Adjoining Are	Rawal Medical Journal	Y	39 (2)
Dr. Soniha Aslam	Frequency of Type-2 Diabetes Mellitus in Patients with Chronic Hepatitis	J-LUMHS	Y	13(2)
Dr. Soniha Aslam	Significance of advance technology using modern equipment in International sports competition	The Shield	Y	9
Dr. Muhammad Akram Ansari	The occurrence of Knee injury in Badminto	The Shield	Y	9
Bano S, Tunio SA, Mmon AA, Detho H, Bano R, Kumari K	valuation of antibiotic susceptibility patterns of uropathogens circulating in Hyderabad Pakistan	Khyber Medical University Journal	X	6

Dr.Misbah Biby Qureshi	The effects of playing with Dolls in Advertisement: A case study of Young girl's Exposure towards 'Medical beauty'	THE WOMEN	X	Vol:06
Dr.Misbah Biby Qureshi	Gendered patterns of labor migration in Philipp	THE WOMEN	X	Vol:06
Dr. Naheed BalochProfessor	fect of natural an artificial dietes on the life history of parameters of melon fruit fly of Hyd, Sindh Pakistan	General of Biology, Agri culture and Health care	X	4 (3)
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)
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)
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

Aijaz Ali Wassan	Male Prostitution in Larkana City: An Unrevealed Trut	Academic Research International	Y	Vol. 5(5) ISSN: 2223-9944, E-ISSN: 2223-9553.
Aijaz Ali Wassan	A Case Study on Problem of Working Women in City	International Academic Research Journal	Y	Vol. 5(2)
Dr. Ameer Ali Abro	Situational analysis of marginalized youth of urban areas and youth policies	The Shield University of Sindh Jamshoro	Y	Volume 09,
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):
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):
Dr. Nasreen Memon Professor Meritorious and Chairperson	Check List of Butterfly Fauna (Lepidoptera: Rhopaloc	Pure App. Bio	Y	3 (4)
Dr. Nasreen Memon Professor Meritorious and Chairperson	Biology of Eariasinsulana (Spiny bollworm) Lepidoptera: Noctuidae on different temperatures in labor	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (2)

Dr. Nasreen Memon Professor Meritorious and Chairperson	Testicular Toxicity of Lambda Cyhalothrin Insecticide in Male Rabbits (Oryctolagus cuniculus)	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (3)
Dr. Nasreen Memon Professor Meritorious and Chairperson	First Record and Redescription of Tarucus Theophrastus Fabricius (Papilionoidea, Lycaenidae)	Sindh Univ. Res. Jour. (Sci. Ser.)	Y	Vol.46 (3)
Dr. Nasreen Memon Professor Meritorious and Chairperson	Phylogeny of the world species of Mustha Amyot and Serville (Hemiptera: Pentatomidae: Pentatominae: Halyini) based on morphological character	Journal of Animal & Plant Sciences	Y	24 (2)
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)
Dr. Riffat Sultana Assistant Professor	Morphological study with special reference to Phallic complex of two important grasshoppers from Pakistan	Sindh University Research Journal (Science Series)	y	46 (4)
Dr. Riffat Sultana Assistant Professor	Incidence of Mermis nigrescens Dujardin (Mermithida : Mermithidae : Nematoda) in paddy grasshopper	Sindh University Research Journal (Science Series)	y	46(4)
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)



Dr. Riffat Sultana Assistant Professor	Taxonomy study on the occurrence of Trilophidia annulata (Thunberg) (Oddipodinae: Acrididae: Orthoptera) from Pakist	Sindh University Research Journal (Science Series)	y	46(1)
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

2.4 CONFERENCES, SEMINARS AND WORKSHOPS



Jamshoro: Prof. Dr. Muhammad Siddique Kalhoro Acting Vice Chancellor University of Sindh, Akira Ouchi, Counsul General Japan Karachi, Dr. Lutfullah Mangi, Dr. Hamadullah Kakepoto, Prof. Murtaza Khoso and Dr. Nagina Parveen speaking in One day Seminar of Japan-Asia Relations organized by Area Study Centre University of Sindh.



Jamshoro: Mazharul Haq Siddiqui, Ex Vice chancellor. Prof. Dr. Muhammad Siddique Kalhoro, Acting Vice Chancellor University of Sindh, Prof. Dr. Shakoori, Dr. Peng Xu, Prof. Dr. Aziz Khan and Prof. Dr. Nasreen Memon speaking in Inaugurating ceremony of 36th Pakistan Congress of Zoology International organized by University of Sindh



Jamshoro: Prof. Dr. Abdul Rasool Dean faculty of Natural Sciences, University of Sindh distributing the certificates and shields among the faculty members and students for excellent work at 36th Pakistan Congress of Zoology (International)



Jamshoro: Acting Vice Chancellor University of Sindh Prof. Dr. Muhammad Siddique Kalhoro presenting a sheild to Prof. Dr. A.R. Shakoori, President Zoological Society of Pakistan at concluding session of 3-day 36th Pakistan Congrss of Zoology held at University of Sindh.



Jamshoro: A Delegation of International Scientist participating in 11th International Symposium on Analytical and Enviromental Chemistry called on Prof. Dr. Abida Taherani, Vice Chancellor University of sindh



WORKSHOP ON "CAREER COUNSELLING AND FINDING JOB OPPORTUNITIES"





Career Counselling for university students is a demanding subject for training and workshops, more specifically these types of workshops can play an important role for future planning of students who are passing their BS. IV and Masters Examinations. Keeping in view the importance of this subject, the Department of Sociology, in collaboration with SPARC, a Non-Profit organization, ORIC and QEC, University of Sindh, organized a one-day training workshop for final year students of the Department of Sociology on “Career planning, Role of personality Development & How to Prepare for Interview” at the central library, University of Sindh, Jamshoro.

SEMINAR ON INTERACTION WITH YOUTH ON POPULATION ISSUES



A one-day seminar was organized by the Department of Sociology, University of Sindh, Jamshoro, in collaboration with the Population Welfare Department and UNFPA, at Sindhology on 09th September 2015 on “Interaction with youth on population Issues”.

3RD INDIGENOUS ON-CAMPUS TRAINING WORKSHOP



The three-day indigenous on-campus training (IOT) workshop for secretarial staff on 'management and communication skills' at the University of Sindh concluded here on Wednesday. The workshop was organised by the Quality Enhancement Cell (QEC) and the Planning & Development Cell (P&D) of Sindh University (SU) under the aegis of the Higher Education Commission (HEC) Islamabad. A total number of 35 employees from grade 7 to 14 were given an opportunity to attend the training workshop. The coordinator of the workshop Dr. Shahzad Ahmed Memon said that the training workshop was imperative for the employees to learn new things.

FAR EAST AND SOUTH EAST AREA STUDY CENTRE**Participation of Far East and South East Area Study Centre in Seminar, Training, Workshop and Conference**

- 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.
- “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.
- 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.
- “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.
- 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

Participation of Institute of English Language and Literature in Seminar, Training, Workshop and Conference

- 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

INSTITUTE OF GENDER STUDIES

Participation of Institute of Gender Studies in Seminar, Training, Workshop and Conference

- 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 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.
- Attended two days training workshop on “Practical Research Methods” held on 16th, 17th September 2015 Pakistan Study Centre University
- 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**Seminar, Training, Workshops and Conferences organized and participation**

- **11th Science, Technology and Innovation Management Training Course for Researchers in OIC Countries**

“11th Science, Technology and Innovation Management Training Course for Researchers in OIC Countries” organized by Malaysian Technical Cooperation Program from 4 - 13 October 2015, Kuala Lumpur, Malaysia. She was nominated by Ministry of Economic Affairs division, Islamabad.

- **2015 International KÖYCEĞİZ meetings, Turkey**

Dr. Huma Ishaque Shaikh delivered oral presentation in “2015 International KÖYCEĞİZ meetings” organized by Hacettepe University, Ankara, Turkey from 6-12 September 2015 at KÖYCEĞİZ, Turkey. The title of her presentation was “Synthesis of surface imprinted PHEMA cryogel for Aluminum”.

- **2nd International Conference on ‘Drug development- Natural and synthesis**

Dr. Ayaz Memon participated in “2nd International Conference on ‘Drug development- Natural and synthesis” from 23-25 August 2015. The conference was organized by Centre for Advanced Drug research, (CADR) COMSATS, Institute of Information Technology, Abbottabad –Pakistan.

- **2nd Conference on Frontiers of Nanoscience and Nanotechnology**

Dr. Aamna Balouch delivered a lecture in “2nd Conference on Frontiers of Nanoscience and Nanotechnology, organized by PINSTECH from 8-10 September 2015. Title of her talk was “Bi-Metallic/Heterometallic nanostructures (NSs) and their catalytic activities”

- **26th National and 14th International Chemistry Conference**

Number of faculty members and research scholars of this Center participated in “26th National and 14th International Chemistry Conference” held at the Islamia University Of Bahawalpur, Pakistan from 5-8 October 2015. They delivered invited lectures, oral and poster presentations.

- **Seminar on Modernization of Truck Freight Transport in Pakistan**

Dr. Najma Memon attended Seminar on “Modernization of Truck Freight Transport in Pakistan” organized by Pakistan Sustainable transport (PAKSTRAN) project: CIU-Trucking Islamabad (UNDP-Project) from 5-6 November 2015 at PC Hotel Karachi.

- **Conference on Emerging Materials and Process**

Dr. Najma Memon delivered oral presentation in “Conference on Emerging Materials and Process” organized by NUST, Islamabad from 22-23 December 2015. The title of her presentation was “Characterization and application of metallic salt/ nanoparticle composite organogels for room-temperature desulfurization of hydrocarbon fuel”.

Dr. Huma Ishaque shaikh also delivered oral presentation in “Conference on emerging materials and process” organized by NUST, Islamabad from 22-23 December 2015. The title of her presentation was “Synthesis and characterization of trichlorfon imprinted particles embedded composite cryogel column: Application for the selective extraction of trichlorfon from aqueous samples prior to liquid chromatographic analysis”.

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
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.

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.

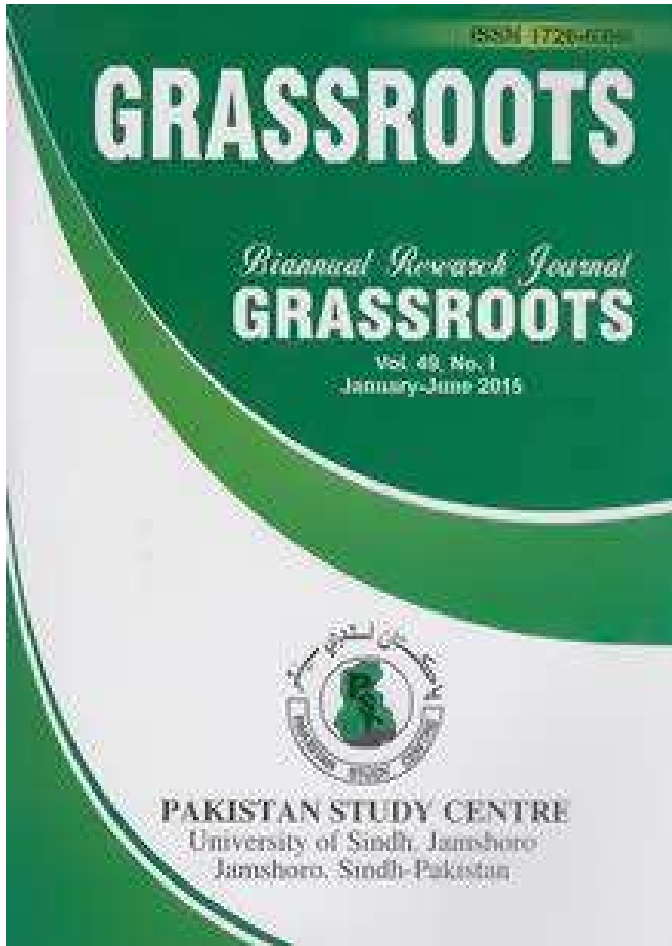
On receipt and browse by the editor scientific sense the manuscript is issued an acknowledgement and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

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.

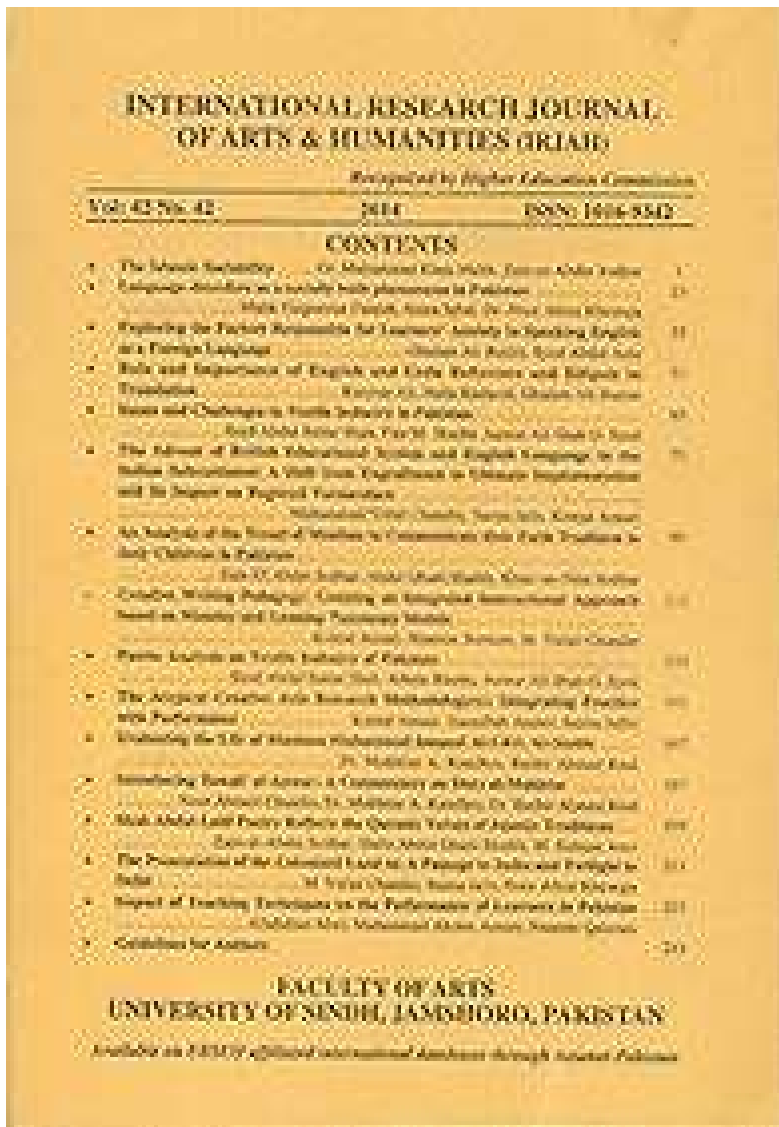
On receipt and browse by the editor systematic sense the manuscript is issue an acknowledgment and sent for evaluation; as per remarks and recommendation of the evaluator the manuscript is revised and an acceptance letter is issued.

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)



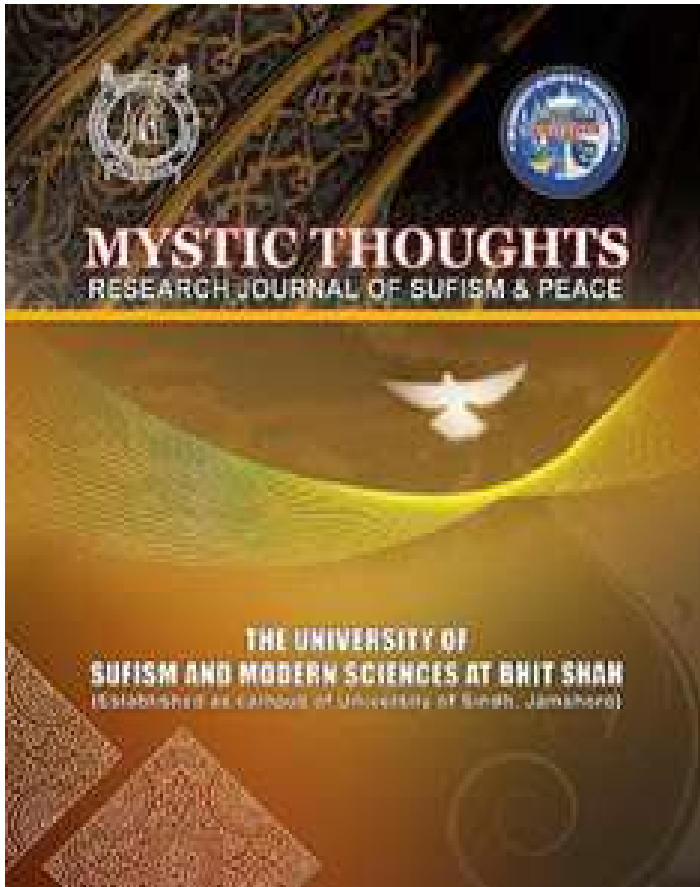
We are pleased to inform all the concerned that since the announcement of publication of International Research Journal of Arts and Humanities (IRJAH) by Faculty of Arts, University of Sindh on various websites including Higher Education Commission and broadened its scope. We have been receiving large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

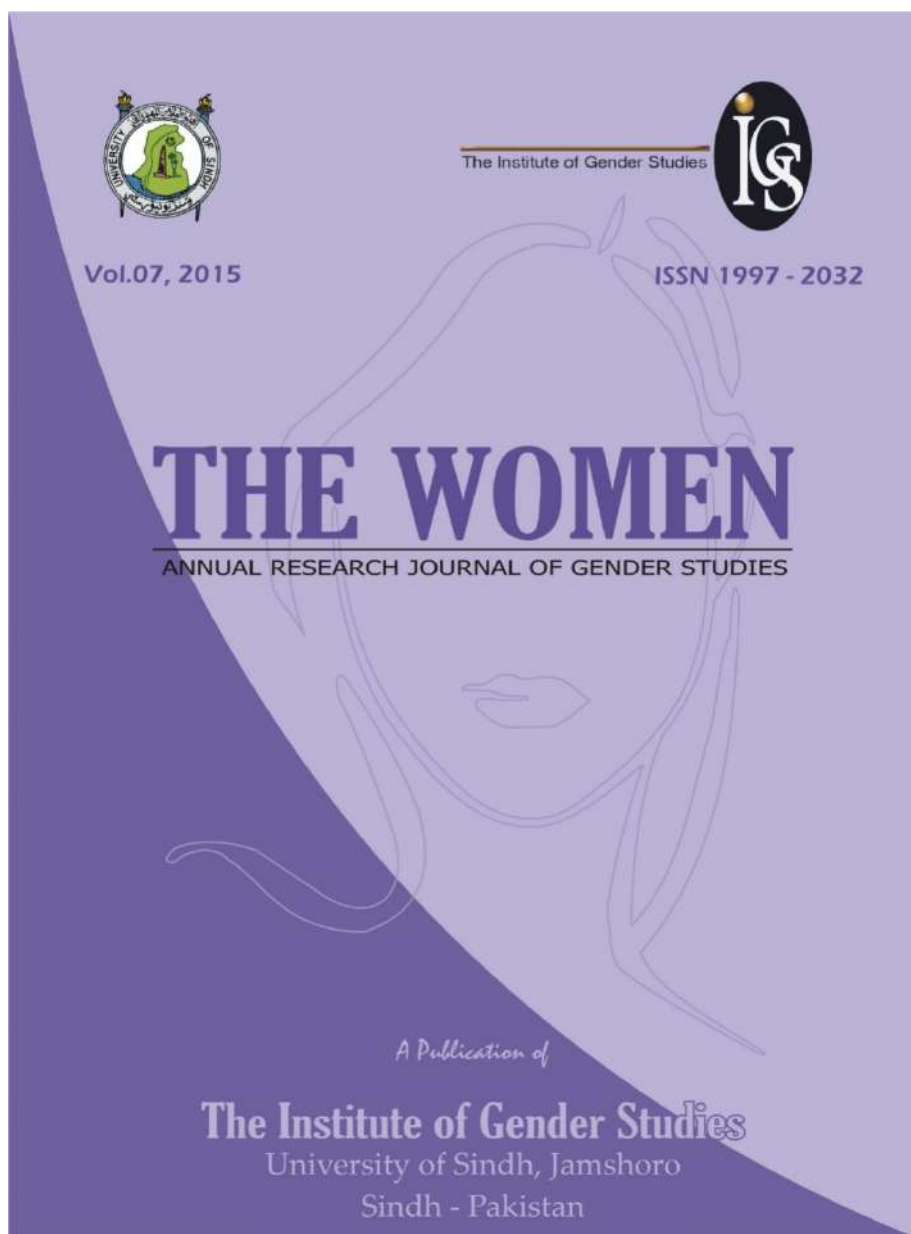
the legislations, trials and punishments. The message and practices of our spiritual sufis for peace, harmony and love in the society has proved to be more influential than any legislation Sufism is an evolving field of study all around the world as an academic discipline dealing with the adopting of 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 of 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

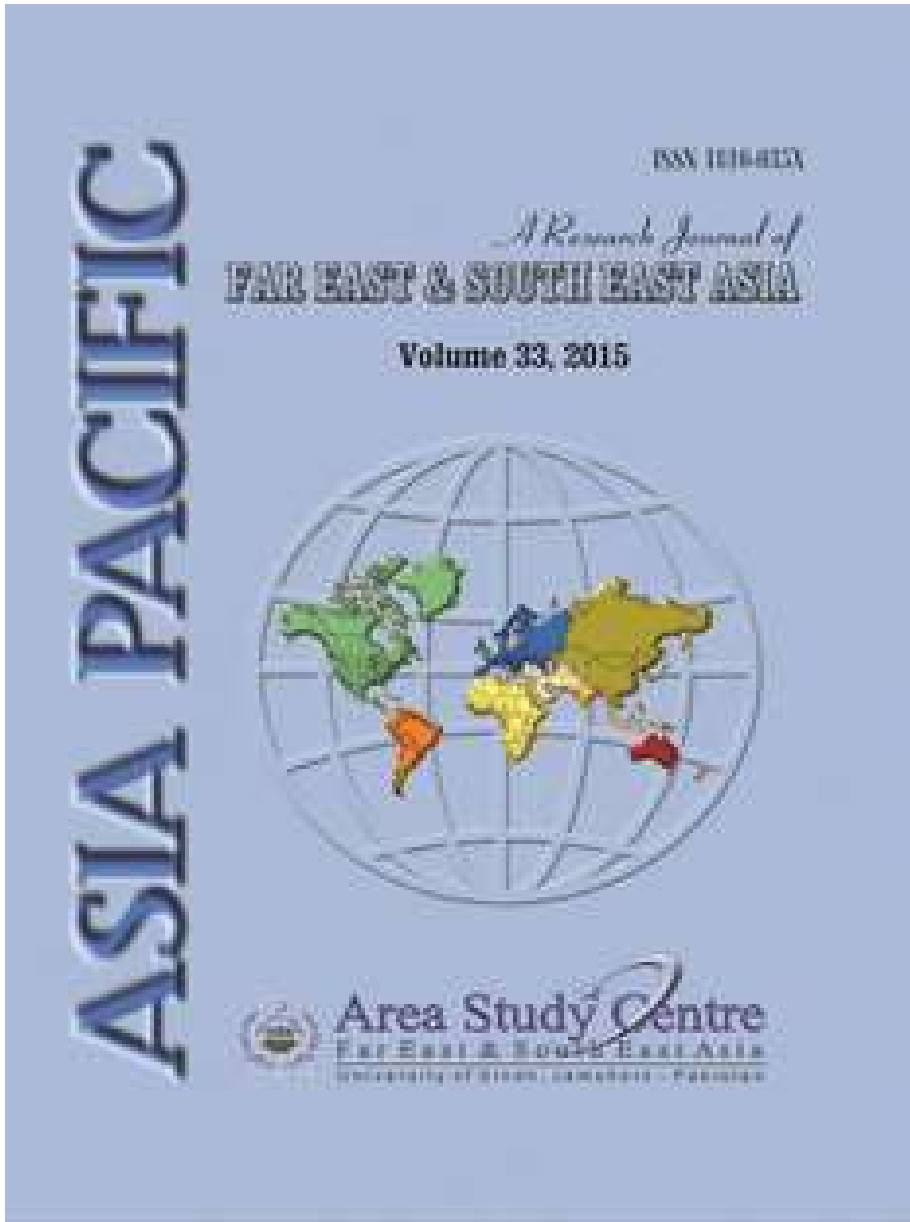
research work. SUJE publishes original, conceptual and research based articles related to all major areas of education in general and teacher education in particular in Pakistan context.

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



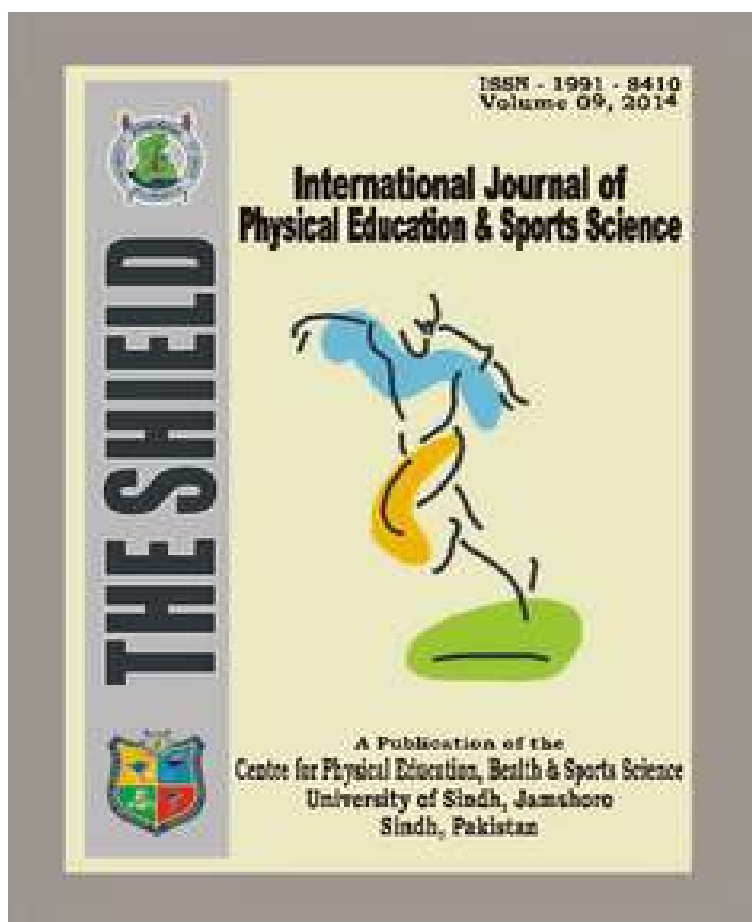
The journal Grassroots is recognized in 'Z category' by the Higher Education Commission of Pakistan (HEC).

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 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:

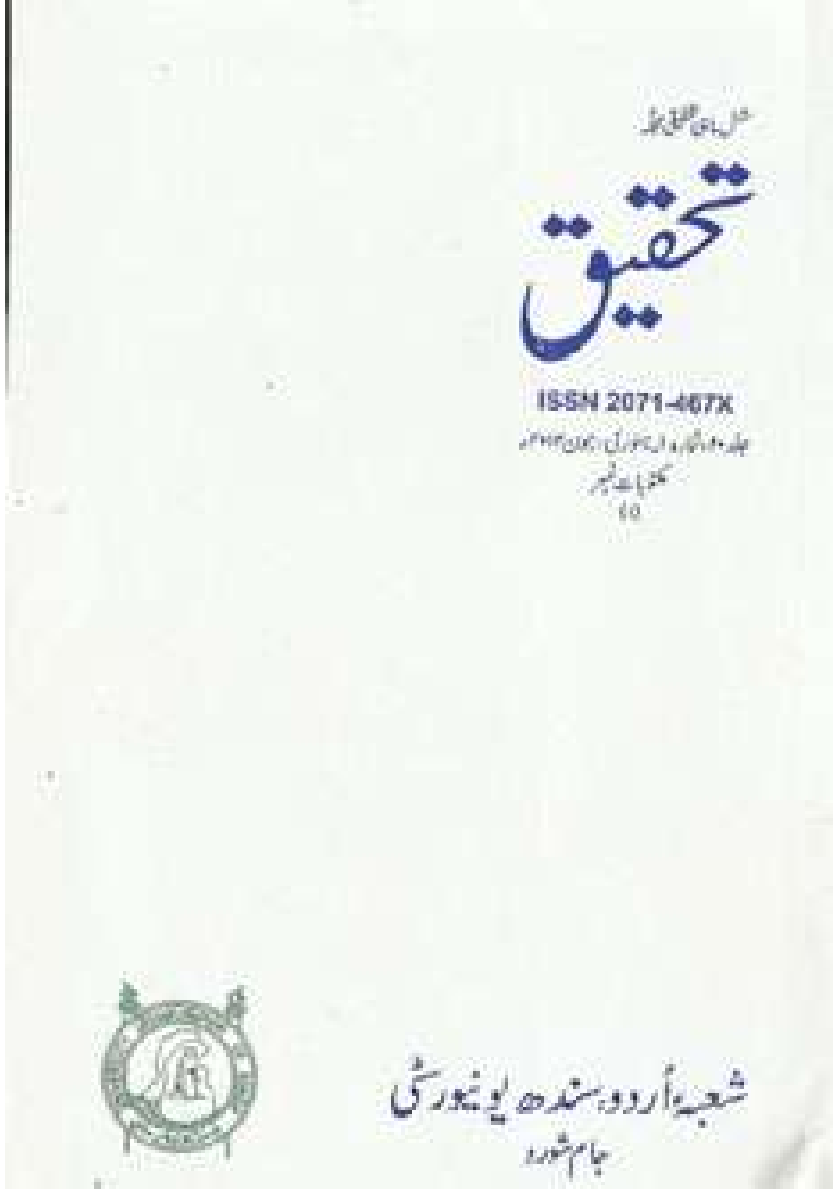
The Shield is indexed in Natural Science in ProQuest, publisher and distributor of secondary source reference databases and can be viewed electronically ProQuest - Physical Education Index | Title List (xls)

EBSCO, Massachusetts, USA:

SPORTSDiscuss:

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 Sindh, University of Sindh, Jamshoro, Pakistan. Keenjhar - Research Journal providing a platform for the researchers, academicians, professional, practitioners and students to impart and

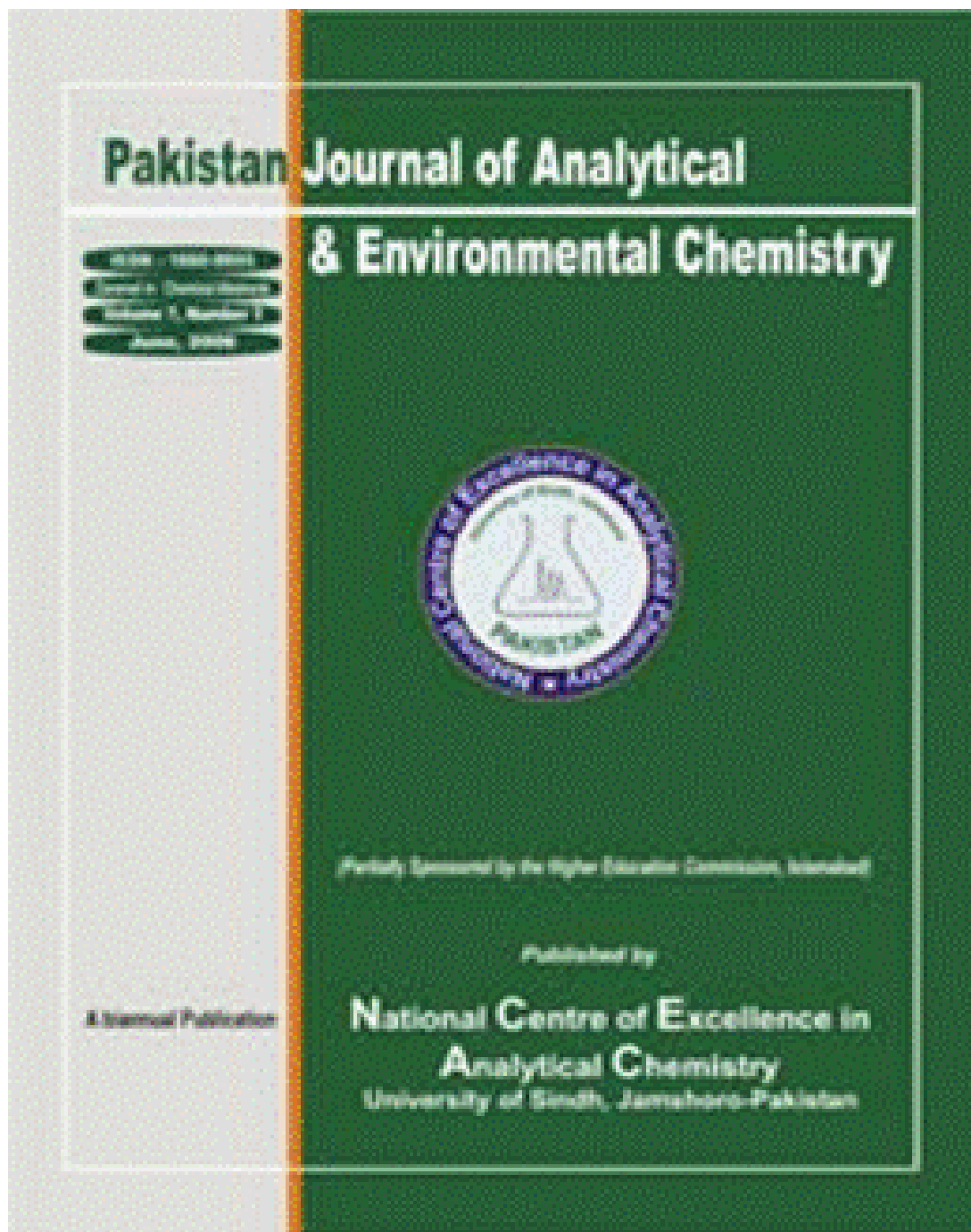
share knowledge in the form of high quality theoretical research papers, case studies, literature reviews and book reviews. Keenjhar - Research Journal welcomes and acknowledges high quality theoretical original research papers, case studies, review papers, literature reviews, book reviews, conceptual 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.



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;

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

3.2 QUALITY ENHANCEMENT CELL

Various Training Programs have been arranged by Quality Enhancement Cell during the reporting period:



Finding Scholarships is difficult task for students, therefore workshops to facilitate them to find opportunities in proper way is important. ORIC, QEC and Sociology Student's Council for Community Service University of Sindh organized one day training workshop for MPhil Scholars and final year students of Natural Sciences and Social Sciences faculties on 17th February 2016, from 10 am. To 01 pm in central library university of Sindh Jamshoro.

Mr. Ayaz Samo Ph.D. Scholar Beijing University china was speaker in workshop and Engineer. Maqsood Memon was another speaker from Canada through Skype.

The Workshop was started with recitation of Holy Quran by Mr. Zulfiqar Tunio Student of BS. Part 3, Department of Sociology and Hamid by Fazal Ali Rind Final year Student of

Department of Sociology, than Dr. Ameer Ali Abro introduced the speakers with their respective fields.

- Dr. Nek Muhammad Shaikh Director OIRC Discussed on importance of workshop and appreciated the large number of students attending the workshop. He also promised to organize more workshops in future.
- Frist speaker was Mr. Maqsood Ahmed Memon from Canada through Skype. He kicked off session with his formal, introduction. His Session was formal, informal and highly interactive with all participants. He focused on finding scholarship opportunities abroad. However, he emphasized to prefer china because it is very easy to get scholarship there. Meanwhile he discussed how to enhance skills like C.V writing and Internet surfing. Moreover he made commitment with students for assisting them in order to find abroad scholarships. He suggested various important websites of international universities and institutions where Masters, Doctorate, degree courses and Non- degree programs are available for Scholarships. In the end of his session he appreciated the efforts of university of Sindh, department of sociology, QEC and ORIC for arrangement of these sort of workshops. He further shows his willingness for online session with university of Sindh in future.
- The second facilitator of workshop was, Mr. Ayaza Samo Ph.D. Scholar of Beijing University China, who discussed on “How to Find Free Education Scholarships in different provinces and Universities of China”. Being a student in china he shared his experiences with students that how he was succeeded to get a chance of scholarship. He started with introduction of various universities and easy methods to find through Google. During his session Mr. Samo discussed on importance of proper education, importance of proposal writing, personal statement, C.V, and research fields available in different countries especially in china. Mr. Ayaz suggested the participants to avoid Non-Professional behavior during communication with professors of foreign universities, he also emphasized on Time management for career planning and Life management. He satisfies the students during Question & Answers session and solved various confusions of students related to scholarships searching.

Workshop on “Career Councillng and Finding Scholarship Opportunities” By Department of Sociology & QEC UoS in Larkana January 7, 2016



Career counselling workshops can play an important role for future planning of students who have completed or in continuation of their 14 years of education. Keeping in view the importance of subject university of Sindh Jamshoro as Community services, through Department of sociology and QEC arranged one day training workshop on 4th January 2016 form 9 am to 2 pm at Lincoln Corner Sir Shahnwaz Bhutto Library Larkana. Following Four sessions were designed for workshop:

important problems faced by students during internet surfing for scholarships and job findings. He covered some basic and important topics in his discussion e.g. The Traditional Job Searching methods, Job Searching Strategies, Types of Online Job Sites, how to Avoid Online Search Mistakes, Creating Resume Online, Online Resume Formats, Make Resume "Cyber-Safe" , Personal Online Resume Websites and Online Job Search Resources. At the end question answer session was very fruitful for students.

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”**

Name	Dept/ Subject	University Placement	Relieving date	Remarks/joining date
Mr. Hakim Ali Mahesar, Asst. Prof.	Commerce	Bedfordshire University, UK	04-05-2011.	17/08/2015
Mr. Sanaullah Ansari, Lecturer	English	Bedfordshire University, UK	05-05-2011	17/8/2015
Mr. Ayaz Ahmed Mugheri, Assistant Professor	Philosophy	Katholic University, Belgium	22-08-2011	Granted 5th year study leave
Mr. Saadullah Rahooja, Lecturer	Geography	Southampton University, UK	29-08-2011	About to complete his PhD studies
Mr. Abdul Hameed Panhwar, Lecturer	English	Anglia Ruskin University, UK	August, 2011	About to complete his PhD studies
Mr. Waheed Ahmed Abbasi, Lecturer	Criminology	Anglia Ruskin University, UK	09/09/2011	About to complete his PhD studies
Ms. Nazia Parveen Gill, Lecturer	Statistics	Groningen University, Netherlands	29/08/2012	About to complete his PhD studies
Ms. Farwa shah, Assistant Professor	BPA	Anglia Ruskin University UK	25, August, 2011	About to complete his PhD studies
Mr. Ahmed Khan, Lecturer	IICT	Southern University, Denmark	15/5/2011	About to complete his PhD studies
Ms. Sobia Shafaq Shah, Asstt Professor	IBA	Anglia Ruskin University, UK	20/ 9/2011	About to complete his PhD studies
Mr. Sheeraz Niaz Laghari, Lecturer	IICT	Aalborg University, Denmark	16-11-2011	Requested for 5th year study leave
Mr. Intzar Ali Lashari, Lecturer	IBA	Southern university, Denmark	20-11-2011	About to complete his PhD studies
Mr. Ghulam Mustafa Shoro, Assistant Professor	IICT	Aalborg University, Denmark	17/02/2012	About to complete his PhD studies
Ms. Tania Mushtaque, Lecturer	IICT	Aalborg University, Denmark	15-3-2012	About to complete his PhD studies
Mr. Mushtaque Ali Jariko, Asstt Professor	Business Administration	Anglia Ruskin University, UK	28-08-2012	About to complete his PhD studies

Ms. Ishrat Afshan Abbasi, Assistant Professor	International Relations	Erfurt University, Germany	21/10/2012	Expected joining date is 21/10/2016
Ms. Nimerta Kumari, Lecturer	Microbiology	Tubingen University, Germany	05/04/2012	Expected joining date is 05/04/2017
Mr. Jamshed Ahmed Warsi, Lecturer	Physiology	Tubingen University, Germany	01/10/2012	23/09/2015
Ms. Atia Bano Memon, Lecturer	Computer Sciences @ Badin	Leipzig University, Germany	26/08/2012	Expected joining date is 26/08/2016
Mr. Krishan Kumar Luhana, Lecturer	Computer Sciences @ Badin	Technical University Graz, Austria	21/10/2012	Expected joining date is 21/10/2016
Mr. Shah Murad Chandio, Lecturer	IMCS	International Islamic University, Malaysia	28/8/2013	Expected joining date is 28/08/2017
Ms. Arjumand Bano, Lecturer	IICT	IU University, Malaysia	30/09/2013	Expected joining date is 30/09/2017
Ms. Fiza Qureshi, Lecturer	IBA	Malaya University, Malaysia	09/09/2013	Expected joining date is 09/09/2017
Ms. Sayeda Naveed Karim Bux Shah, Lecturer	IBA	Malaya University, Malaysia	08/01/2013	Expected joining date is 08/01/2017
Syed Karim Bux Shah, Assistant Professor	IBA	Malaya University, Malaysia	13/9/2013	Expected joining date is 13/09/2017
Mr. Ameer Ali Buriro	Women Studies Center	Sains University, Malaysia	13/11/2013	Expected joining date is 13/11/2017
Mr. Irfan Ahmed Shaikh	General History	Internal University, China	06/06/2013	Expected joining date is 06/06/2017
Mr. Abdul Rehman Kalo	Islamic Studies Badin Campus	Mahidol University, Thailand	19/09/2013	Expected joining date is 19/09/2017
Mr. Shahid Ali Shaikh, Lecturer	Geology	Zhejiang University, China	30/09/2013	Expected joining date is 30/09/2017
Ms. Farheen Ashfaque, Lecturer	Mass Communication	Sarawak University, Malaysia	25/09/2013	Expected joining date is 25/09/2017
Mr. Muhammad Ramzan Pahore, Lecturer	Mass Communication	Putra University, Malaysia	19/12/2013	Expected joining date is 19/12/2017
Mr. Altaf Hussain Abro, Lecturer	Computer Science (Badin Campus)	Amsterdam University, Netherlands	11/11/2013	Expected joining date is 11/11/2017

Mr. Rashid Ali Khuhro, Lecturer	CRDC	Kabangsaan University, Malaysia	05/12/2013	Expected joining date is 05/12/2017
Mr. Abdul Rehman Nizamani, Lecturer	Lecturer, Department of Economics	Kabangsaan University, Malaysia	20/08/2013	Expected joining date is 21/10/2017
Mr. Syed Faisal Hyder shah, Lecturer	Lecturer, Social Work	Sains University, Malaysia	12/11/2013	Expected joining date is 12/11/2017
Mr. Pasand Ali, Lecturer	Lecturer, Sociology	Malaya University, Malaysia	11/11/2013	Expected joining date is 11/11/2017
Mr. Hameedullah Bhutto, Lecturer	IBGE	Prince Skonai, Thailand	24/11/2013	Expected joining date is 24/11/2017
Mr. Imran Suhrayani, Lecturer	Pharmacy	University of China, China	30/08/2013	Expected joining date is 30/08/2017
Mr. Atta Muhammad Samoo, Lecturer	Physiology	University of Oulu, Finland	12/3/2013	Expected joining date is 21/10/2017
Mr. Pervaiz Ali Mahesar, Lecturer	Lecturer, Political Science	Putra University, Malaysia	1/04/013	Expected joining date is 01/04/2017
Mr. Gulsher Laghari, Lecturer	IMCS	University of Antwerp, Belgium	26/5/2014	Expected joining date is 26/05/2018
Mr. Farooque Ahmed Laghari, Lecturer	International Relations	University Putra Malaysia	5/5/2014	Expected joining date is 05/05/2018
Mr. Ali Khan Ghumro, Assistant Professor	International Relations	University Kebangsaan, Malaysia	10th April 2014	Expected joining date is 10/04/2018
Ms. Shagufta Jabeen, Lecturer	Microbiology	Putra University, Malaysia	06/11/2014	Expected joining date is 06/11/2018
Ms. Najma Nawaz Channa, Lecturer	IMCS	International Islamic University, Malaysia	29/05/2015	Expected joining date is 29/05/2019
Ms. Shaista Naz	Geography	Hohai University, China	Issued final award letter on 17th April	In process to proceed abroad
Sumera Dero	IT	Xiamen University, China	Issued final award letter on 12th September 2014	In process to proceed abroad
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 below:

MPhil	
Campus	No.
Allama I.I.Kazi, Jamhsoro (Main Campus)	1737
Elsa Kazi, Hyderabad	38
Sub- Campus	-
Total	1775

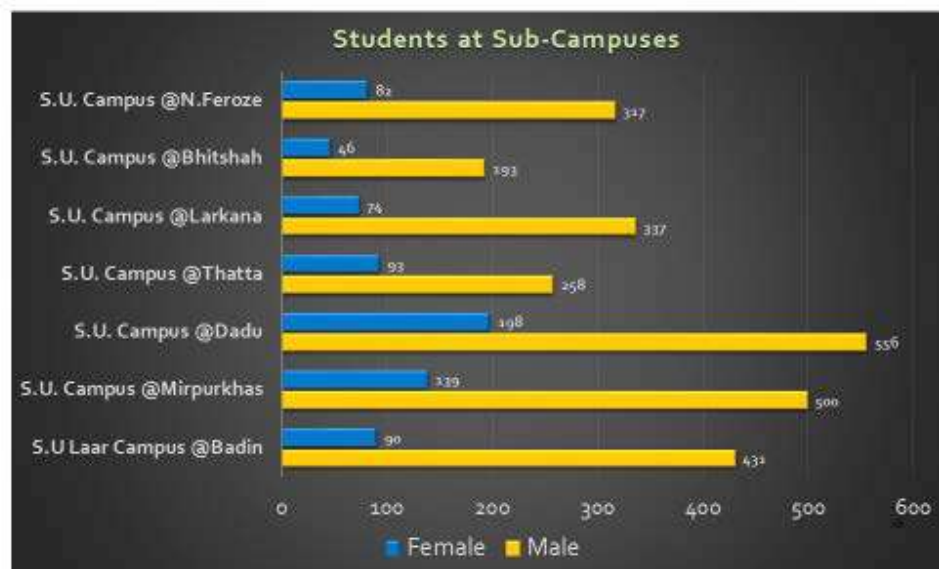
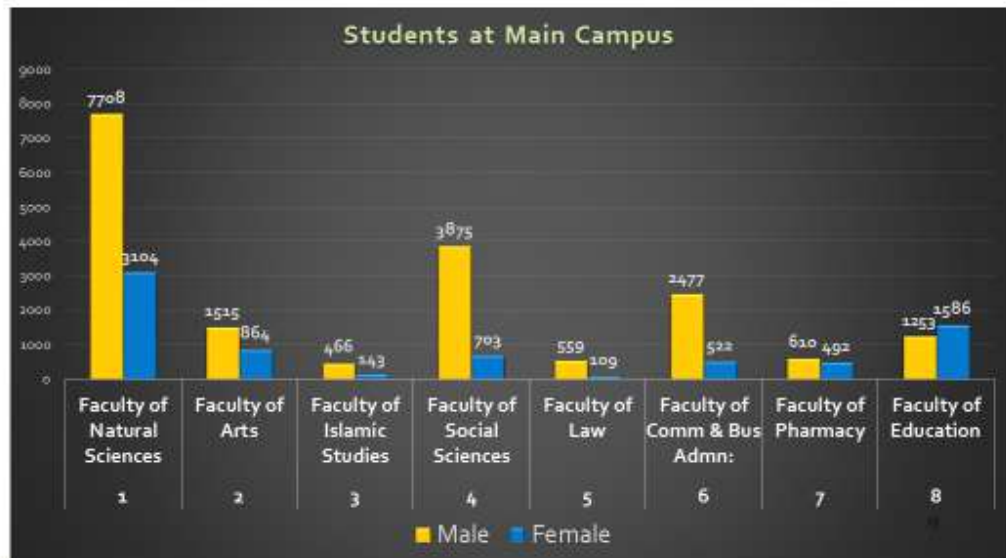
PhD	
Campus	No.
Allam I.I.Kazi, Jamshoro (Main Campus)	407
Elsa Kazi, Hyderabad	07
Sub- Campus	-
Total	414

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.

CHAPTER-5: MASTER PLAN OF THE UNIVERSITY



5.1 BASIC ENROLMENT



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 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.

5.4 FACULTY-STUDENT RATIO

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

5.5 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.

5.6 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-6: STRENGTHENING PHYSICAL INFRASTRUCTURE

6.1 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
- Color Laser Printer
- Global Positioning Systems (GPS)
- Surfer 8
- MapInfo Professional ver. 8.5
- RockWorks v2006
- RockWare StereoStat
- RockWare Igpert 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.

Short comings:

- 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

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
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

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
Major Apparatus	Video Microscope, UV/VIS Spectrophotometer, Blood Chemistry Analyzer, Microlab300, Blood Analyzer Incubator, Atomic absorption spectrophotometer.



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 Gastroentropancreatic 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.

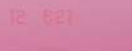

•Electrophoresis

- 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.

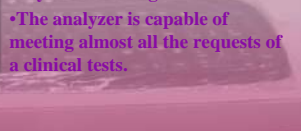

•UV lamp

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

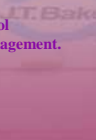
•Blood Chemistry Analyzer
•Microlab300

- 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





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-7: 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

7.1 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

7.2 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%		

7.3 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.

7.4 CAMPUS MANAGEMENT SOLUTION

As an initiative to Management of Campus, Student 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.

7.5 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.

7.6 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-8: UNIVERSITIES BUILDING COMMUNITIES

8.1 UNIVERSITY COMMUNITY INTERACTION

DEPARTMENT OF SOCIOLOGY

Sociology Student's Council for Community Service "STATIONARY DISTRIBUTION AMONG THE PRIMARY SCHOOL STUDENTS OF KOTRI"

The event was organized for distribution of stationery on 25 February 2016, from 11:00 am to 1:00 pm in Government Boys & Girls School Saeed Khan Gopang Kotri, Jamshoro.

By Sociology Student's Council for Community Service, students of Sociology BSI, BS. II and III were actively participated in the event.

Mr. Israr Hussain Tunio regional manager of IRM Sindh, Mrs. Zubida Gopang Head Mistress of Government Primary School Saeed Khan Gopang Kotri, Mr. Zahid Murtaza District Coordinator IRC Jamshoro, Mr. Ameer Bux Chhachhar Political Activist, Mr. Roshan Birhamani Social Worker, Mr. Haji Khan Social Worker and SSCCS Members Sayed Asad Ali Shah, Marvi Lalbux Panhwer, Zulfiqar Ali Tunio, Aamna Joyo and Yasmin Lalbux Panhwer were the speakers.

The event was started with the recitation of Holy Quran by Mohammad Waseem Tunio student of BS-Part 3, Department Of Sociology and Yasmin and Aisha Primary School Students offered Naat, then Zulfiqar Ali Tunio and Aamna Joyo introduced the speakers with their respective fields.

Mr. Israr Hussain Tunio talked about the primary school education and became highly interactive with the school students, he said that these kind of events should be in several primary schools.

Mrs. Zubida Gopang spoke about NGO's that these kind of event should be in every primary School and said SSCCS members that brilliant job you are doing. She said today the elder students are come to distribute gifts in little students.

Mr. Zahid Murtaza Dharijo, Mr. Roshan Ali Birhamani and Mr. Ameer Bux Chhachhar are the social and political activist of district jamshoro always talk about the problems which are faced by this district, they said we will be helping SSCCS in every event and talk about the problems why the children of primary school facing such kind of difficulties? And appreciated whole the team members.

Sayed Asad Ali Shah, Marvi Lalbux Panhwer, Zulfiqar Ali Tunio, Aamna Joyo and Yasmin Lalbux Panhwer talk about the importance of SSCCS aims and objectives of and tell that the efforts of our group are so high and want to do many things about the people of



community. We all want to serve for society and become sociologist, good human who could be beneficent for society.

Finally, all gifts were distributed among students of School, by calling their names one by one , Guest presented the gifts to little children with their own hands, all SSCCS members presented gifts to the primary schools student in in the end group photo was taken.

The program was concluded by Zulfiqar Ali Mallah.

Sociology Students Council for Community Service Celebrating valentine showing love with environment

Objective of this activity was to protect environment through plantation on 14-feb-2016 valentine day. We show our love with Environment and with the land.

- SSCCS celebrated this event with the collaboration of organization CEAD , Jamshoro Social Activists Network, Jamshoro shehri action committee and British council active citizen.
- Program starting time: 10:30 am
- Program started with the Quran verses.
- Different organizations speaker deliver their speeches and Massage on the importance of the plantation. They show their love with the land.
- Students of the sociology department also participated on this
- Student share their love with environment through
- Planted 100 different plants.
- Plantation was held at two places Government Boys secondary school jamshoro and Meer Mallah village jamshoro .
- Students also distributed some plants in houses of the Meer
- Mallah village.
- Students had meeting with villagers for the awareness for the
- Importance of plants.
- Program ending time: 2:30

Condemnations and condolences for attack on Bacha Khan University

Sociology Student's Council for Community Service, University of Sindh: Arranged session in Department of Sociology, for Condemnations and condolences of attack on Bacha Khan University in Charsadda on 20th January 2016. In which one of the great professor Dr. Syed Hamid Hussain and more than 20 students were killed. Teachers and Students of Sociology department prayed for Martyrs and demanded to deal with Terrorists as common enemy and to take efforts for elimination of menace. They also demanded for high security measures for Universities and other educational institution of Country.

FAREWELL DINNER WITH STUDENTS OF BS. IV AND M.A FINAL, December 9th 2015



Socialization, awareness and personality development among the university students are among the basic academic objectives of Department of Sociology University of Sindh. Therefore a farewell dinner of Final year students of Sociology was organized at Bar. B. Q Tonight Hall of Hyderabad city. Students of final year and BS.IV were invited to attend this program and majority of teachers were present to celebrate farewell with students and to motivate them for their future professional life after passing their examinations.

Program was started with recitation of Holy Quran and Waee (Poetry of Shah Abdul Latif Bhitae). Mr. Zulfiqar Ali Mirani Student of BS.IV and Miss. Madiha Muhsan Momon student of M.A Final Sociology welcomed the guests and host the whole program.

Ajraks a Sindhi Cultural Gifts were distributed among teachers and Top students of year. Segment of teacher's comments and experience sharing of students during whole journey of four years in university were very interesting and unforgettable activities of program.

Students enjoyed with Singing, Parodies, Poetry, Dancing and made the event interesting. Photography with teacher's and friends was another important activity of program. During the program Dinner was served with delicious food and in the end Teacher's appreciated the four years journey of students in Department of sociology and their interest in education, prayers for students were part of every teacher's speech.



Jamshoro: The Participants of a Rally tookout to observe International Women's day organized by Institute of Gender StudiesUniversity of Sindh under the leadership of Prof. Dr. Abida Taherani Vice chancellor

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

CHAPTER-9: UNIVERSITIES BUILDING LEADERSHIP

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

PAKISTAN STUDY CENTRE

1. 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.
 - 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

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



STUDY TOUR OF FINAL YEAR STUDENTS RELATED TO THEIR SUBJECT SOCIOLOGY OF RELIGION, TO FOCUSED ON ROLE OF SAINTS AND RELIGIOUS LEADERS IN SOCIETY

The study tour was organized by the department of Sociology, under supervision of Dr Ameer Ali Abro, (Assistant Professor).

UderoLal, Bhatti shah was selected as areas of study tour.

On Tuesday, 16 March, Journey was started at 10 am from Department of Sociology, Final year students first visited udero lal where temple of Hindu and Mosque of Muslim are altogether with the separation of Buried saint. Visited and get information from local Molvi of Mosque and Care taker of Hindu at udero lal. Students Took notes for assignment, there was well nearby temple and in temple candle fires whole the day without any break. Molvi of Mosque gave lecture to students about the history and background of Udero Lal at Mosque and Care taker of Temple also Briefed about temple, its session and also about worship.

After leaving From Udero Lal, We Left for hazrat Shah Abdul Latif Bhittai r.a shrine, listened Sufi Raag and visited the shrine. Students also watched the sacred things pertaining to Shah Lateef Bhittai.

Later than students had a lecture program at sufi university, Bhitt shah about shah latif, Life, His poetry and Sufi Raag.

Teachers of Sufi University also performed songs and lyrics of Shah Abdul Lateef Bhittai r.a. Students had a lunch at Sufi University and had gone through by visiting museum, where students had seen lots of historical things , Prayed at Shiekh Ayaz grave and After that left for tea, hosted by one of Bs Student Mashooque Ali Bhanoo at Bypass near to Bhittshah. At last stop Students had famous Ice cream at matyari . in this whole study tour Students had photography, Fun , entertainment, Dance, Singing, enjoyment. No doubt, students of final class had a great entertainment and enjoyment with teachers, which were accompanied with them which were Sir Dr Ameer Ali Abro , Ma'm Dr Ghazala Panhwar and Sir Ali Murtaza Kolachi. Were with us for guide and company, it added the charm in study tour.

A Molvi Muhammad Ibrahim delievers his lecture about brief historical Introduction of Udero Lal at Study Tour.

Moullana, care taker of Mosque at Udero Lal Since 30 years, said in His lecture that the Saint Udero Lal was Living at Bank of River Indus and Used to eat fish as a Favorite food. Udero Lal had a Great symphay to love as human being.

There are five festivals are organized by the management of Udero Lal every year.

Students include me asked the question about the biography and history of Uderolal and his life.

A Mosque and Temple is partitioned by the buried saint Udero Lal.

1912, Mughal Empires constructed the Udero Lal Saint.

A rest house is also seen there for the foreign guests, stay room of moullana is also settled there.

In a Temple, there is candle which is always been lighting without fire off whole the year, according to care taker of Mandir (temple).

People are coming from distant areas to visit the Saint Udero Lal , Mosque and Temple together.

When we visited the Udero Lal, Temple was closed and care taker unlocked the temple and we did visit the temple.

A well is also seen by us at Udero Lal.

The Hindu Community members throw fruits in well for their favor.

The care takers of Temple usually cleaned this well at least once in a Month.

According care taker of Temple, All are equally treated and welcomed here with out any discrimination of race, Religion or sect.

Sir Dr Ameer Ali Abro and Dr Ma'm Ghazala Panhwar wrote their comments in visiting book of Udero Lal.

A Book pertaining to History of Udero Lal is presented Sir Dr Ameer Ali Abro by the Molve of Mosque Muhammad Ibrahim before leaving.

Care taker of temple gave details about the festival and gatherings of Community at Udero Lal.

Christians are also visiting the Udero laal with maximum number every year said Local deweller of Udero Lal.

Afterwards, we were gone through Sufi Univeristy, Bhatt Shah.

The University of Sufism and Modern Sciences (USMS) is in Bhit Shah Town, Matiari District, home to a shrine of the Sufi saint Shah Abdul Latif Bhattai. The USMS is the first Sufi higher educational institution in Asia to earn the status of university.

The first batch of students have started their studies, the campus has initially offered the short courses but Bachelor's and Master's-degree programs will start very soon. The students at the USMS will be taught job-oriented courses, degrees and to value brotherhood and religious tolerance. (Taken from SU website).

A Mystic Song after lecture is presented by the teachers of Sufi University at Bhatt shah.

Syed Peer Muhammad Shah , gave a lecture about the life of Shah Abdul Latif Bhattai r.a.

Shah Abdul Latif Bhitai was born in the small village of Bhatt.

His Urs is held every year between the 13th and 15th of Safar, the second Islamic lunar month. "Shah Jo Risalo" the message of Shah His poetry was first translated into German in 1866 [a hundred years after his death] by Ernest Trump a German scholar and missionary when in 1860's he became fascinated by Sindhi language and culture and the jogis and singers who sang Shah Latif's verses With the help of Sindhi scholars he compiled a selection of the original verses and called it "Shah Jo Risalo" [the message of Shah].



WINNER FOR 1ST PLACE AT A CONFERENCE ON “YOUTH FOR ACTION ON CLIMATE CHANGE”



Roshan Zameer is receiving the prize money cheque from Dutch Ambassador Marcel de Vink Winner for 1st place at a conference on “Youth for Action on Climate Change”, organised by Indus Consortium in collaboration with Oxfam Novib at Pakistan National Council of the Arts on 16th April 2015

The first prize for best documentary went to a student from Department of Sociology University of Sindh Mr. Roshan Zameer (3rd year sociology). He won the first position in Documentary competition and received Rs. 100,000 Prize money. The competition was among students of Six Universities from Pakistan.

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

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.

CHAPTER-10: FINANCE

10.1 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

		(Rs. in Million)
i)	Receipt	Rs. 3079.098
ii)	Expenditure	Rs. 2494.500
iii)	Surplus	Rs. 584.598

2. REVISED BUDGET (RECURRING) 2013-2014

i)	Receipt	Rs. 2761.593
ii)	Expenditure	Rs. 2780.126
iii)	Deficit	Rs. -(18.533)

3. BUDGET ESTIMATES (RECURRING) 2014-2015

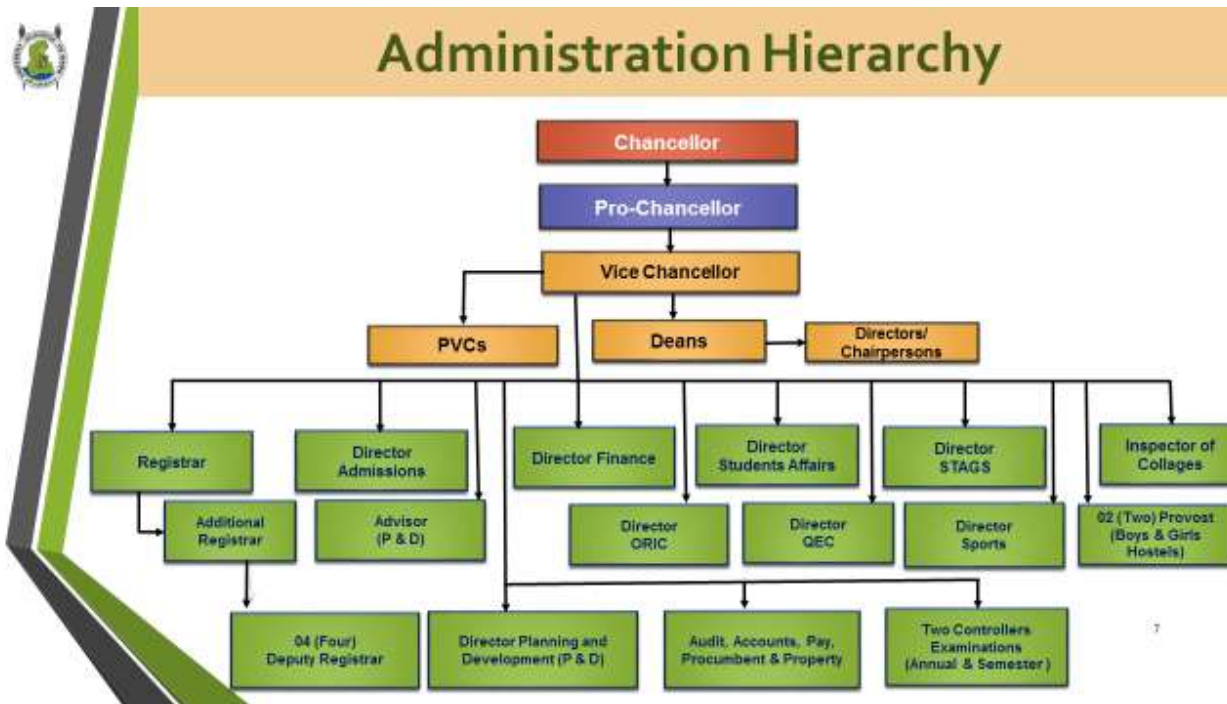
i)	Receipt	Rs. 2570.121
ii)	Expenditure	Rs. 3824.146
iii)	Deficit	Rs. -(1254.025)

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

		(Rs. in Million)
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.

CHAPTER-11: UNIVERSITY GOVERNANCE



11.1 SYNDICATE MEETINGS

The following Syndicate meetings were held during the reporting period:

- 192nd Meeting of the Syndicate held on 27.08.2015
- 193rd Meeting of the Syndicate held on 31.10.2015
- 194th Meeting of the Syndicate held on 14.05.2016

CHAPTER-12: OFFICE OF RESOURCE GENERATION/DEVELOPMENT

12.1 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.

12.2 FUTURE PLANS



1. Future Requirements

Water Supply Scheme - Details of Project	Amount Rs. (in millions)
Construction of 3.0 MGD Water Treatment Plant	120.000
Providing, Laying, Jointing and Testing of 500mm Outer Diameter High Density Polyethylene Pipe (HDPE-100) Rising Main from Settled Water Storage Tank to Storage Tank	79.685
Construction of Raw Water Pump House beside K.B Feeder	1.241
Supply Installation Testing & Commissioning of Turbine Pumps at Storage Tank	7.891
Supply, Installation, Testing & Commissioning of Raw Water Pumping Machinery at K.B Feeder of University of Sindh	4.692
Supply, Installation, Testing & Commissioning of 200 KVA DG Set 200 KVA Transformer & Electric Power for Turbine Pump and Pumping Machinery at K.B Feeder	7.000
Construction of Compound Wall for Ponds at Sindh University Water Supply Pump No. 1 & 2	13.500
	234.009
Add: 3% Contingency Charges	7.020
Add: 3% Consultancy Charges	7.020 M
Total	248.049

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2. Future Requirements

Rehabilitation of Existing Roads in Main Campus	Estimated Cost (Rs. in Millions)
Existing Allama I.I. Kazi (Dual Carriage) Road	42.008
Existing Sindh Avenue Road	32.323
Existing Lal Shahbaz Road (Dual Carriage) Road	42.008
Existing Molana Din Mohammad Wafai Road	22.624
Existing Khushal Khan Khatak Road	14.705
Existing Abdullah Haroon Road (Station Road)	80.175
Total	233.843

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3. Future Requirements

Projects	Rs. (in Millions)
1. Establishment of Renewable energy (Solar and wind) departments in collaboration with Germany, Japan and Korea	(Investment awaited)
2. Replacement / Rehabilitation of Sewerage line network of entire Campus	10
3. Construction of Institute of Physics (new Block)	88
4. Repair, Renovation of Academic including Administration Buildings	90
5. Construction of Covered Foot Paths	08
6. Solar based lighting system for entire Main Campus	0.8
7. Construction of Bus terminal/ Workshop	20
8. Providing Fountains/ Monuments at different locations	0.2
Total	217

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CHAPTER-13: HEALTH CENTRE/MEDICAL FACILITIES

13.1 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/=
Medical care for Prolonged/serious ailment: Required full medical treatment for following disease with the hospital (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, Crohn'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		
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-imbusement.

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-imbusement:

- Copy of NIC and Heath 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)