

Conference Program



4th

International Multidisciplinary Research Conference
Global Prosperity Through Research & Development

October 9-11, 2018
Peshawar, Pakistan



Sarhad University
Peshawar



Higher Education
Commission of Pakistan



University
of Haripur



Abdul Wali Khan
University, Mardan



Benazir Bhutto Women
University Peshawar





4th International Multidisciplinary Research Conference

Global Prosperity Through Research & Development

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Sarhad University
of Science & Information Technology
Peshawar - Pakistan

Conference Program



**Benazir Bhutto Women
University Peshawar**



**Higher Education
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**University
of Haripur,**



**Abdul Wali Khan
University Mardan**



4th International Multidisciplinary Research Conference Global Prosperity
Through Research & Development (IMRC-2018) October 9-11, 2018

**THE CONFERENCE ORGANIZING
COMMITTEE WELCOMES ITS
DISTINGUISHED GUESTS, ACADEMICIANS,
RESEARCHERS AND SCHOLARS FROM
AROUND THE WORLD TO MEET, SHARE
AND DISCUSS GLOBAL PROSPERITY
THROUGH RESEARCH
&
DEVELOPMENT**

**Dr. Wali Rahman
Coordinator and Editor-4th IMRC-2018**



4th International Multidisciplinary Research Conference Global Prosperity
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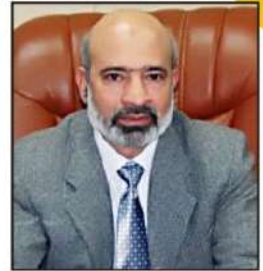
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**Message from Patron-in-Chief
Professor Dr. Salim ur Rehman
Vice Chancellor, SUIT**



First of all congratulations to all the organizers of 4th International Multidisciplinary Research Conference on Global Prosperity through Research & Development (IMRC 2018) which has been organized in collaboration with three public sector universities namely Shaheed Benazir Bhutto Women University, (Peshawar), Abdul Wali Khan University (Mardan), and University of Haripur, (Haripur) and Higher Education Commission of Pakistan. We are really indebted to the international keynote speakers, other scholars from various universities and research centres and honourable guests who have spared their time to participate in this conference to share their valuable experiences in the related fields.

IMCR 2018, which aims at providing a multidisciplinary platform to the research community on a large scale, will bring together research scholars/students and faculty from different disciplines to share conceptual and methodological perspectives, practices and experiences in a professional environment.

This is a broad conference, designed to showcase the best of research work being done and emerging trends across various disciplines. We are confident that this mega event will provide a forum for researchers across the globe to present their research work and thereby substantially contribute towards the socio-economic & technological development.

I extend my congratulations to the organizers again and wish them all success.



Sarhad University of Science and IT, Peshawar

Sarhad University of Science & Information Technology (SUIT), Peshawar, is a renowned name in the educational circles of Pakistan and abroad. It was established in 2001 through an Ordinance of the Government of Khyber Pakhtunkhwa and is duly recognized by the Higher Education Commission (HEC). Since its inception, the University has made commendable achievements in disseminating quality education and, in a short span of time; it has become a leading institution of higher education in Pakistan. The University offers a wide range of programs from bachelor to doctoral level. These programs are executed through highly qualified and professionally groomed faculty holding PhD degrees from renowned institutions of Pakistan and abroad.

The University is dedicated to imparting high quality education with emphasis on demand-oriented skill-development and training under excellent conditions of learning. Its educational programs are designed to enable the students and servicemen to Develop skills and competence in their respective areas of specialization. Obtain broad-based, cross-functional education with due emphasis on developing critical, analytical and logical thinking, and knowledge of societal matters. The education is cost-based, but affordable. The University is devoted to students' welfare and intends to provide all support and guidance in their pursuit of successful careers and jobs.



Abdul Wali Khan University Mardan

The establishment of Abdul Wali Khan University Mardan is an act of historical significance by the Government of Khyber Pakhtunkhwa. Being located at the focal point, the area has witnessed the rise and fall of the famous civilizations that inspired the world with the glorious culture and civilized traditions devoted to learning and scholarship. Unfortunately, with the passage of time and onslaught by the bellicose tribes, the human achievements spanning thousands of years were got buried under the debris of time. The establishment of this university is a bold step forward to resurrect and bring back the same dazzling culture by mobilizing the intellectual resources of young scholars and to deepen their vision about the crying need to join together the human society irrespective of caste, colour or creed.

The University has introduced all the modern departments, teaching basic sciences, social and applied sciences with a credible base of quality education and research to equip the minds of young scholars with worthwhile objectives of life. The University will attract students from Swabi, Charsadda, Nowsehra, Mardan, Swat, Shangla, Buner, Dir, Chitral, Northern Punjab, Kohat, Southern parts of Khyber Pakhtunkhwa, and the extensive Tribal region along the boundaries of the Province. Most of the young students of these areas who have the intellectual capability of receiving higher education can not avail this opportunity due to extreme poverty.

The University would facilitate in bringing their intellectual resources in the useful channels by equipping them with the latest knowledge and research being unfolded in the sphere of higher education. The establishment of the university is the realization of the cherished dreams of the people of the area. The University will develop the intellectual, moral and physical resources of the youth and would channelize their inherent energies toward useful goals. It would also usefully collaborate with the prestigious universities of the country and abroad to share the latest discoveries and research input in different fields of intellectual endeavour. The message of peace and universal brotherhood as practised and preached by the founding father (Late) Abdul Ghaffar Khan (Bacha Khan) will be the motto of the University to steer the organization in the years ahead which would induct Pakistan into the comity of respectable nations of the world.



University of Haripur, Haripur

The establishment of University of Haripur (UoH) is an important milestone in the history of higher education in Hazara region of Khyber Pakhtunkhwa, Pakistan; a region which entails the international Karakorum Highway. There was a strong motivation to establish UoH and a significant coherence among the potential stakeholders regarding the direction that such a project should take. The motivation can be supported by (unofficially validated) estimates which suggest that in 2017-18 approximately 8,000-10,000 pupils will be enrolled in the University with the completion of proposed physical and academic infrastructure. Having education at all levels with strong Islamic foundations is important for the nation as a whole and we firmly believe that education should be focused on providing principled, morally motivated leaders to serve the country - a new generation of leaders who understand the need for justice and peace in Pakistan. It is an understood notion that the UoH shall have a globally recognized validation.



Shaheed Benazir Bhutto Women University, Peshawar

Shaheed Benazir Bhutto Women University Peshawar is a premier women university of Khyber Pakhtunkhwa. It has earned this position by virtue of its futuristic outlook towards higher education, strong emphasis on research and focus on innovation and entrepreneurship. Its academic programmes are designed to meet the national needs and challenges of the new millennium. Traditional fields of Social, Biological and Physical Sciences have been updated with emerging trends and new disciplines are being introduced to prepare professionals to manage the ever-growing demands of knowledge economy with requisite degree of expertise. By the grace of Almighty Allah, Shaheed Benazir Bhutto Women University Peshawar has come a long way to develop into a global centre of excellence for imparting higher education. The universities at large have assumed the role of drivers of knowledge inventors and discoveries. Shaheed Benazir Bhutto Women University Peshawar, being a premier educational institution in Khyber Pakhtunkhwa has been keenly building a consortium across the government, business and higher education sectors to actively pursue sustainable growth of a knowledge-based economy.



Higher Education Commission Islamabad, Pakistan

Higher Education Commission of Pakistan (HEC) is an independent, autonomous, and constitutionally established institution of primary funding, overseeing, regulating, and accrediting the higher education efforts in Pakistan.

Preceded by the University Grants Commission (UGC) in 2002 by a constitutional amendment, the universities were formerly accredited by the UGC established in 1947; the institution was revised 1974 and came its modern form in 2002 with additional executive reforms granted by the constitution. Under a new and revised reforms agenda, the HEC is made responsible for formulating higher education policy and quality assurance to meet the international standards as well as providing accrediting academic degrees, development of new institutions, and uplift of existing institutions in Pakistan.

The HEC also facilitated the development of higher educational system in the country with main purpose of upgrading the universities and colleges in the country to be focal point of the high learning of education, research, and development. Over the several years, the HEC plays an important and leading role towards building a knowledge based economy in Pakistan by giving out hundreds of doctoral scholarships for education abroad every year.





About the 4th IMRC-2018 Conference

Sarhad University of Science & Information Technology, Peshawar Pakistan is proud to organize the 4th International Multidisciplinary Research Conference on Global Prosperity through research and development in collaboration with three public sector universities-Shaheed Benazir Bhutto Women University Peshawar, Abdul Wali Khan University Mardan and University of Haripur, Haripur. IMRC-2018 as a series of conferences aims at providing a multidisciplinary platform to the research community on a large scale. This mega event will provide a forum for researchers across the globe to present their research work and thereby substantially contribute to the socio-economic development. The event will provide a good opportunity for sharing of knowledge and experiences thereby inspire young researchers and scientists for playing their role in the world of research.

Conference Objective

The conference focuses on the promotion of Research in the fields of global significance. Sharing of original research work, case studies and practices and personal experience should remain the prime objective.



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Conference Structure

Sarhad
University
of Science & Information Technology
Peshawar - Pakistan



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CONFERENCE STRUCTURE (SUMMARY)

Time	Tuesday, October 09, 2018 (Day-1)
08:30 am -- 09:30 am	Registration
09:30 am -- 11:00 am	Opening Ceremony
11:00 am -- 11:30 am	Tea & Refreshment Break
11:30 am -- 12:30 pm	Keynote Speaker Session
12:30 pm -- 02:00 pm	Lunch & Prayers Break
02:00 pm -- 04:00 pm	Parallel Sessions
Time	Wednesday, October 10, 2018 (Day-2)
09:00 am -- 10:30 am	Parallel Sessions
10:30 am -- 11:00 am	Tea & Refreshment Break
11:00 am -- 12:30 pm	Parallel Sessions
12:30 pm -- 02:00 pm	Lunch & Prayers Break
02:00 pm -- 04:00 pm	Parallel Sessions
Time	Thursday, October 11, 2018 (Day-3)
09:00 am -- 10:30 am	Parallel Sessions
10:30 am -- 11:00 am	Tea & Refreshment Break
11:00 am -- 12:30 pm	Parallel Sessions
12:30 pm -- 02:00 pm	Lunch & Prayers Break
01:45 pm -- 03:30 pm	Closing Ceremony
03:30 pm	Tea & Refreshment Break



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Conference Program

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CONFERENCE PROGRAM
Tuesday, October 09, 2018 (Day-1)

Time	Description
8:30 am -- 09:30 am	Registration
Opening Ceremony	
Venue: Sarhad University Conference Hall	
Session Hosts: Ms. Hina Karamat & Muhammad Irfan	
09:30 am -- 10:00 am	Guests to be Seated
10:00 am -- 10:05 am	Arrival of Chief Guest
10:05 am -- 10:10 am	Recitation from the Quran-e-Kareem Qari Muhammad Sadiq
10:10 am -- 10:20 am	Welcome Address Prof. Dr. Salim-ur-Rehman Vice Chancellor, SUIT, Peshawar, Pakistan
10:20 am -- 10:30 am	Address Prof. Dr. Khurshid Khan Vice Chancellor, Abdul Wali Khan University Mardan
10:30 am -- 10:50 am	Address by the Chief Guest
10:50 am -- 11:00 am	Presentation of Souvenirs
11:00 am -- 11:30 am	Tea & Refreshment
11:30 am -- 11:50 am	Keynote Speaker I Title: Epiphytic terrestrial algae (<i>Trebouxia</i> sp.) as a biomarker using the free-air-carbon dioxide-enrichment (FACE) System Dr. Asmida Ismail - Faculty of Applied Sciences Green Technology and Sustainable Development University Technology MARA, Shah Alam, Malaysia
11:50 am -- 12:10 pm	Guest Speaker Ms. Neghat Mehroz Director General, Pakistan Rural Academy for Development, Peshawar
12:00 pm -- 12:30 pm	Keynote Speaker II Title: Africa a Technological Leapfrogging Professor Dr. Abid Yahya, Botswana International University of Science & Technology (BIUST), Botswana
12:30 pm -- 02:00 pm	Lunch & Prayers Break
02:00 pm -- 04:00 pm	Parallel Sessions



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Wednesday, October 10, 2018 (Day-2)

9:00 am -- 10:30 am	Parallel Sessions
10:30 am -- 11:00 am	Tea & Refreshment Break
11:00 am -- 12:30 pm	Parallel Sessions
12:30 pm -- 02:00 pm	Lunch & Prayers Break
02:00 pm -- 04:00 pm	Parallel Sessions

Thursday, October 11, 2018 (Day-3)

9:00 am -- 10:30 am	Parallel Sessions
10:30 am -- 11:00 am	Tea & Refreshment Break
11:00 am -- 12:30 pm	Parallel Sessions
12:30 pm -- 02:00 pm	Lunch & Prayers Break

Closing Ceremony

Venue: Sarhad University Conference Hall

Session Hosts: Rabia Ishrat & Muhammad Irfan

01:45 pm -- 02:00 pm	Guests to be seated
02:00 pm -- 02:05 pm	Recitation from Quran-e-Kareem Qari Muhammad Sadiq
02:05 pm -- 02:15 pm	Address Ensuring Food Security through Modern Technologies Prof. Dr. Abid Farid, Vice Chancellor University of Haripur
02:15 pm -- 02:30 pm	Keynote Speaker I Title: Biodiversity and conservation of biological resources Dr. Asyraf Mansor, Associate Professor, Universiti Sains Malaysia
02:30 pm -- 02:45 pm	Keynote Speaker II Title: Importance of structural biopolymers & Chemistry of ?-chitin Prof. Dr. Murat Kaya, Department of Biotechnology and Molecular Biology, Aksaray University, Turkey
02:45 pm -- 03:00 pm	Address Dr. Razia Sultana Vice Chancellor, Shaheed Benazir Bhutto University, Peshawar
03:00 pm -- 03:15 pm	Address by the Chief Guest
03:15 pm -- 03:45 pm	Award/Souvenir Distribution

Tea & Refreshment



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Conference Program Detail

Tuesday, 9 October, 2018 (Day-1)

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Tuesday, October 09, 2018 (Day-1)

Time Slot 2:00 pm – 4:00 pm

Parallel Session I Alberuni Block 4th Floor Room No. 404

Management Sciences	Session Chair:Dr. Fayaz Ali Shah Rapporteur:Shaima Nisar
Tufail Nawaz (IMRC-MS-09)	Paper I: Does Entrepreneurial Self-Efficacy Mediate the Relationship between Proactive Personality and Entrepreneurial Intention
Masood Nawaz Kalyar (IMRC-MS-13)	Paper II: Participative Management and Job Performance: Exploring the Moderating Role of Organizational Politics in Nursing Context
Nosheen Rafi (IMRC-MS-14)	Paper III: Influence of Perception of Organizational Politics on Job Congruence and In-role Performance
Zaema Asrar Mohiuddin (IMRC-MS-16)	Paper IV: Importance of Test Marketing in New Product Acceptance in the Market

Parallel Session II Alberuni Block 4th Floor Room No. 405

Education	Session Chair:Dr. Khisro Kaleem Rapporteur:Mr. Sajid Ali
Asfandiyar Fida (IMRC-SC-18)	Paper I: Assessment of the Applied Aspect of the ICT in Teacher Education
Shakeel Iqbal (IMRC-SC-28)	Paper II: Level of Awareness among Secondary School Teachers and their Perception Regarding Child Rights: A Case Study of District Peshawar
Abdul Shakoor (IMRC-SC-48)	Paper III: Problems leading to anxiety of teachers in private schools:An exploratory study
Khalid Khan (IMRC-SC-60)	Paper IV: The Impact of Social Development on Academic Adjustment of Students at Secondary Level In Khyber Pakhtunkhwa
Muhammad Zafar Iqbal IMRC-LS-18	Paper V: Effects of Goal Setting and Player's Performance at University level: An Exploratory Study

Parallel Session III Alberuni Block 4th Floor Room No. 406

Agriculture Science	Session Chair:Prof. Dr. Muhammad Arif, Prof, Ismail (Malaysia) Rapporteur:Mr. Wasim Iqbal
Muhammad Ibrahi (IMRC-LS-75)	Paper I: Yellow Rust Resistance Characterization Of Elite Wheat Genotypes In Mexico And Pakistan
Arshad Javed (IMRC-LS-93)	Paper II: Antifungal Acitivity of Ageratum conyzoides
Salik Nawaz (IMRC-LS-94)	Paper III: Effect of changing climate conditions on plant disease distribution in Punjab, Pakistan
Noshaba Noreen (IMRC-LS-96)	Paper IV: Treatment of Methylene Blue in aqueous solution by electrocoagulation-adsorption coupled batch system
Khadija Naeem (IMRC-LS-97)	Paper V: To investigate the removal of methylene blue by catalytic ozonation process using alumina



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Tuesday, October 09, 2018 (Day-1)

Time Slot 2:00 pm -- 4:00 pm

Parallel Session IV Alberuni Block 4th Floor Room No. 407

Chemistry	Session Chair: Prof. Dr. Kamin Khan Rapporteur: Mr. Hanif-ur-Rahman
Nargis Jamila (IMRC-LS-91)	Paper I: Total Phenolic and Flavonoid Contents, Antioxidant, Anti-Diabetic, and Cholinesterase Inhibitory Activities of Echinops Echinatus (Globe Thistle)
Rozina Khattak (IMRC-LS-92)	Paper II: Oxidation of Iodide by Dicyanobis (phenanthroline) iron(III) in Aqueous Medium
Hanif-ur-Rahman (IMRC-LS-95)	Paper III: Transport of Cr(III) through Supported Liquid Membrane

Parallel Session V Alberuni Block 4th Floor Room No. 408

Economics	Session Chair: Prof. Dr. S. Ghiasul Haq Rapporteur: Mr. Sardar Muhammad Faheem Khan Awan
Dr. Wajahat Ali (IMRC-SC-24)	Paper I: Asymmetric relationship between Exchange rate, Inflation and Economic growth in Pakistan: A Fresh Evidence from Nonlinear ARDL
Muhammad Irfan (IMRC-SC-25)	Paper II: The Nexus of Trade Openness, Foreign Direct Investment, Financial Development, and Economic Growth in Pakistan
Hamza Saleem (IMRC-SC-33)	Paper III: Poverty, Income Inequality and Economic Growth Empirical: Evidence from some selected Developing Countries
Naveed Saif (IMRC-SC-41)	Paper IV: Assessing Job insecurity impact on its consequences through the lens of Multiple Moderated, Mediated Analysis.

Parallel Session VI Alberuni Block 4th Floor Room No. 409

Economics	Session Chair: Prof. Dr. Naeem-ur-Rahman Khattak Rapporteur: Mr. Inam-ur-Rahman
Waleed Khan Afridi (IMRC-SC-47)	Paper I: Investigating the role of Export Entrepreneurial Oriented Behavior (EEOB) in Enterprise Export Performance (EEP); Evidence from Pakistan
Javed Iqbal (IMRC-SC-50)	Paper II: Estimation of Economic Value of an Archaeological Site: A Case Study of Takht-i Bahi
Sharafat Ali (IMRC-SC-53)	Paper III: Factors Affecting The Adoption And Intensity of Agro-forestry
Muhammad Younas (IMRC-SC-54)	Paper IV: Estimating The Extent Of Money Laundered And Its Impact On Inflation In Pakistan
Naila Safi (IMRC-SC-58)	Paper V: Understanding Internal Migration in Pakistan (conditional, needs revision)



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Time Slot 2:00 pm -- 4:00 pm

Parallel Session VII Alberuni Block 4th Floor Room No. 410

English	Session Chairs: Dr. Iqbal Khan & Dr. Raiz-ud-Din Rapporteur: Mr. Waheed-ur-Rahman
Arshad Mahmood (IMRC-SC-03)	Paper I: Discursive Communication Strategies in Construction of Headlines of Pakistani Urdu Newspapers before the Polls, 2018
Syed Atia (IMRC-SC-12)	Paper II: Juxtaposition of "Honour" and Woman's Body: An Exploration of Chinoy's A Girl in the River
Ayesha Ashraf (IMRC-SC-15)	Paper III: Global prosperit ythrou lg Postmodern Fiction: A thematic anal sisyo f Pakistani English Fiction
Shabina Rashid (IMRC-SC-92)	Paper IV: Case Marking on Gender Identification in English and Urdu Languages

Parallel Session VIII Alberuni Block 4th Floor Room No. 411

Economics	Session Chair: Dr. Wajid Khan and Dr. Jangrez Khan Rapporteur: Mr. Adnan Khan
Samia Nasreen & Freeha Naz (IMRC-SC-13)	Paper I: Determinants of Shadow Economy in Emerging Markets: An Empirical Analysis of Economic, Fiscal, Geographical and Institutional Factors
Aasia Asghar (IMRC-SC-17)	Paper II: The Economic Benefits of Parks and Walkable Pathways: Why Peshawar Needs more Parks?
Sajjad (IMRC-SC-22)	Paper III: An Analysis of Province Wise Food Demand in Pakistan
Inam-ur-Rahman (IMRC-SC-23)	Paper IV: Vulnerability of food security in the presence of deteriorating exchange rate: Regime in Pakistan



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Wednesday, 10 October, 2018 (Day-2)

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Wednesday, October 10, 2018 (Day-2) Time Slot 9:00 am – 10:30 am

Tea & Refreshment Break (10:30 am – 11:00 am)

Parallel Session I Alberuni Block 4th Floor Room No. 404

Economics	Session Chair: Prof. Dr. Zahoor-ul-Haq, Dr. Wajahat Ali Rapporteur: Mr. Zubair Umar
Naseem Khattak (IMRC-SC-59)	Paper I: Comparing Food Consumption Expenditures Across Provinces between 2012 and 2016 in Pakistan (Conditional, needs revision)
Saima Manzoor (IMRC-SC-67)	Paper II: A Pivot after the 'Pivot': Asia-Pacific Regional Perspective
Asma Saeed (IMRC-SC-69)	Paper III: Investigating the Nexus Between Productivity and Export Performance of Pakistan
Muhammad Adnan Khan (IMRC-SC-76)	Paper IV: A Study of Training Need of Primary School Head Teachers in Disaster Management in District Poonch
Hina (IMRC-SC-93)	Paper V: Does Laxity in Environmental Regulations Lead to More Foreign Direct Investment and Exports? Testing the Validity of Pollution Haven Hypothesis for Pakistan

Parallel Session II Alberuni Block 4th Floor Room No. 405

Education	Session Chair: Prof. Dr. Pervez Aslam Shami Rapporteur: Mr. Sajid Ali
Faisal Khan (IMRC-SC-14)	Paper I: Analysis of Factors Influencing Technology Students' Academic Performance and Motivation in Technology Education
Tahira Elahi (IMRC-SC-63)	Paper II: The Relationship Between Self-Efficacy and Motivation of Students with their Achievement Level in Chemistry at Secondary Level In KP
Wasal Khan (IMRC-SC-71)	Paper III: Traditional and Online Learning: Student Perception Survey
Umar Khetab (IMRC-SC-89)	Paper IV: Gender Differences in Creativity among Higher Secondary School Students
Taj Akbar (IMRC-SC-36)	Paper V: Analyzing the Impact of behavioral and Instructional Classroom Management Styles on Students' Academic Achievement: A Quantitative Study
Muhammad Abouzar IMRC-SC-84	Paper VI: Need Analysis of Establishing Guidance & Counselling Units at KP Universities

Parallel Session III Alberuni Block 4th Floor Room No. 406

Islamic Studies	Session Chair: Dr. Fatima Rapporteur: Mr. Saifullah
Muhammad Tahir (IMRC-SC-06)	Paper I: Women Role in Social & Religious Reformation: A Literary Study
Abzahir Khan (IMRC-SC-21)	Paper II: A Comparative Study of "Deyat" in the light of Fiqa Islami and contemporary Pakistani law
Jawad Mahmood Khakwan (IMRC-SC-40)	Paper III: Ex-Parte Judgment under Shar?'ah and Law in Pakistan: A Comparative study
Karim Dad (IMRC-SC-43)	Paper IV: The Contemporary Essentials and the Teaching Code of conduct: A Research Evaluation in light of Seerah Study
Naseem Akhtar (IMRC-SC-44)	Paper V: The Tomb of Hadrat Baba Farid Ganj Shakkar: (A Source of Harmony and Interfaith among Humanity)



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Wednesday, October 10, 2018 (Day-2)
Time Slot 9:00 am – 10:30 am
Tea & Refreshment Break (10:30 am – 11:00 am)

Parallel Session IV Alberuni Block 4th Floor Room No. 407

Urdu	Session Chair: Prof. Dr. Robina Shaheen Rapporteur: Dr. Imtiaz
Abrar Khattak (IMRC-SC-49)	Paper I: زبانوں میں فطری ہم آہنگی اور ہمارے لسانی رویے
Abdul Rauf (IMRC-SC-62)	Paper II: میں شاعری کلاسیکی پنجابی کا تصور دوستی نسان
Muhammad Hamid Khan (IMRC-SC-78)	Paper III: ہائر ایجوکیشن کمیشن آف اسلام آباد پاکستان کے بی ایس اور اردو نصاب کا جائزہ
Sher Ali (IMRC-SC-79)	Paper IV: Higher Education Commission Bs Urdu Syllabus: A Critical Analysis
Muhammad Nasir Afridi (IMRC-SC-80)	Paper V: نیچر پختونخوا کے جامعات کا بی ایس اردو نصاب اور کالج سطح کے اساتذہ کی مشکلات، ان کا حل اور عصری تقاضے

Parallel Session V Alberuni Block 4th Floor Room No. 408

Statistics/ Psychology	Session Chair: Dr. Asma Gul Rapporteur: Mr. Kamran Khan Tatari
Tayyab Raza (IMRC-SC-01)	Paper I: An Evaluation of combine Forecast Performance of the Traditional Linear AR and ARIMA Models with Non-Linear Auto Re gressive Neural Network Model for the Macroeconomic Time Series Variables
Iqra Sardar (IMRC-SC-29)	Paper II: Classical and Bayesian Analysis of Generalized Rayleigh Distribution based on Complete and Censored Samples
Shazia Yusuf (IMRC-SC-32)	Paper III: Depression, Stress and Anxiety among Infertile Couples
Faiza Nisar (IMRC-SC-61)	Paper IV: Abnormal Eating Attitudes and Body Image Dissatisfaction among University Students: An Exploratory Study

Parallel Session VI Alberuni Block 4th Floor Room No. 409

Islamic Studies	Session Chair: Prof. Dr. Muhammad Niaz Rapporteur: Mr. Waheed-ur-Rahman
Manzoor Ahmad (IMRC-SC-45)	Paper I: منہاج تحقیق قرآن وحدیث کی روشنی میں اور موجودہ جامعاتی تحقیق
Nabeela Falak (IMRC-SC-55)	Paper II: Ijtihad, Modifications
Shahida Perveen (IMRC-SC-64)	Paper III: The Study of Themes in English Text Books and their Parallel Islamic Relevance
Ubaidullah (IMRC-SC-70)	Paper IV: Comparison between Islamic and Western Research Principles
Israr Khan (IMRC-SC-39)	Paper V: التکلیف الفقہی لِأَخْذِ الْقَرْضِ وَرَدِّ بَدَلِهِ بِمُسَاعَدَةِ إِیْزِي بِيَسَّة



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Wednesday, October 10, 2018 (Day-2) Time Slot 11:00 am -- 12:30 pm

Lunch & Prayer Break (12:30 pm -- 02:00 pm)

Parallel Session I Alberuni Block 4th Floor Room No. 404

Sociology	Session Chair:Dr. Rashid Ali Shah Rapporteur:Muhammad Irfan
Rao Nadeem (IMRC-SC-07)	Paper I: Understanding Development and Research Nexus in Context of Social Sciences in Pakistan
Sapna Tajbar (IMRC-SC-11)	Paper II: Assessing the level of awareness of climate change among students
Muhammad Riaz Raza (IMRC-SC-42)	Paper III: TV Anchors and Agenda Setting: An Overview of Talk Shows in Pakistan
Tahira Akbar (IMRC-SC-57)	Paper IV: Gender Issues in Children's Literature (conditional, needs revision)
Sadaf Bashir (IMRC-SC-72)	Paper V: Economic Costs of the War on Terror
Shabana Tonio (IMRC-SC-95)	Paper VI: Language Barriers in Study and its Impact on Study Scores: Study of University of Sindh, Pakistan

Parallel Session II Alberuni Block 4th Floor Room No. 405

Urdu	Session Chair:Prof. Prof. Dr. Subhanullah and Dr. Aftab Khan Rapporteur:Dr. Imtiaz
Antal Zia (IMRC-SC-81)	Paper I: خیر بہ نکتہ نخواستہ کے جامعات کا بنی ایس اردو نصاب اور کالج سطح کے اساتذہ کی مشکلات، ان کا حل اور عصری تقاضے
Bismina Siraj (IMRC-SC-82)	Paper II: BS Urdu in Colleges: An Unplanned Academic Adventure
Sabina Awais (IMRC-SC-87)	Paper III: Urdu aur Pashto Key Lasani Rawabit... Aik Jaiza
Robina Rasheed (IMRC-SC-94)	Paper IV خیر بہ نکتہ نخواستہ کے جامعات کا بنی ایس اردو نصاب اور کالج سطح کے اساتذہ کی مشکلات

Parallel Session III Alberuni Block 4th Floor Room No. 406

Management Sciences	Session Chair:Dr. Nazim Ali Rapporteur:Ms Zill-e-Huma Najib
Muhammad Aleem (IMRC-MS-10)	Paper I: An examination of Demographics Structure on Stock Volume: Evidence from Asian countries
Rabia Shah & Wali Rahman (IMRC-MS-11)	Paper II: Situation Awareness, Social Network and Knowledge Sharing in Peshawar University: An Empirical Study
Imran Shafeeq (IMRC-MS-15)	Paper III: The Nexus between Supply Chain Integration and Supply Chain Performance: The Mediating Role of Organizational Trust
Inam-ud-Din (IMRC-MS-17)	Paper IV: Youth Entrepreneurship Attitude in Peshawar
Salman & Rafia Raziq (IMRC-MS-18)	Paper V: Integrative Study of Nostalgic Feelings as Moderator of Brand Commitment and Consumer Loyalty in Mobile Network Services



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Wednesday, October 10, 2018 (Day-2) Time Slot 11:00 am -- 12:30 pm

Lunch & Prayer Break (12:30 pm -- 02:00 pm)

Parallel Session IV Alberuni Block 4th Floor Room No. 407

Management Sciences	Session Chair: Dr. Shahid Jan Rapporteur: Ms. Sana Tariq
Nasib Dar (IMRC-MS-19)	Paper I: The impact of interactional (in) justice on destructive deviance with mediation of perceived supervisor support in Hotel and Tourism Management Department of KPK
Imran Shafeeq (IMRC-MS-21)	Paper II: Causes and Remedies of Domestic Violence in Pashtun Society; a Case Study of Phari Pora Peshawar District
Muhammad Tariq (IMRC-MS-22)	Paper III: Human Resource Development" through "Quality Enhancement of Teaching and Learning in Higher Education
Iffat Rasool (IMRC-MS-24)	Paper IV: Optimizing the Employee Engagement through Internal Marketing
Imran Khan (IMRC-MS-26)	Paper V: Examining Relationship between Psychological Factors and Investment Decision: Case of Islamabad Stock Exchange

Parallel Session V Alberuni Block 4th Floor Room No. 408

Management Sciences	Session Chair: Prof. Dr. S. Ghiasul Haq Rapporteur: Mr. Sardar Muhammad Faheem Khan Awan
Muhammad Tariq (IMRC-MS-23)	Paper I: Principles of 'Islamic Education' and their effects on 'Human Resource Management'
Nazim Ali & Asaf Khan (IMRC-MS-25)	Paper II: Impact of Psychological Capital on Turnover Intention: Mediating role of Organizational Commitment (Empirical evidence from Pharmaceutical Companies of Pakistan)
Iqbal Hussain (IMRC-MS-27)	Paper III: Impact of Financial Ratios on Sales Growth of Pakistani Firms
Usra Sami (IMRC-EN-30)	Paper IV: Early Disaster Management System
Ghazala Panhwar (IMRC-SC-86)	Paper IV: Effects of Postnatal Stress on Perceived Performance of Working Women. A Case Study of Universities of Hyderabad

Parallel Session VI Alberuni Block 4th Floor Room No. 409

Natural Science	Session Chair: Prof. Dr. Muhammad Hamayun Rapporteur: Mr. Kamran Khan Tatari
Syed Azhar Shah (IMRC-LS-28)	Paper I: First Eco-floristic checklist of Khaki and suburbs of Districts Mansehra.
Samavia Ali (IMRC-LS-31)	Paper II: Evaluation of Allelopathic Potential of Populus ciliata on seed Germination of Wheat (Triticum aestivum L.)
Iqra Jalali (IMRC-LS-38)	Paper III: Evaluation of Allelopathic Potential of Corymbia Citriodora Plant on morphological and Yield Parameters of Wheat.
Khansa Amber (IMRC-LS-43)	Paper IV: A Comparative Study of Flora of Government Post Graduate College Mansehra and its Adjoining Areas of Khyber Pakhtunkhwa, Pakistan
Shazia Haq (IMRC-SC-96)	Paper V: Perception of the Parents, Physiotherapists and Health Professionals about the role of Physiotherapy in Rehabilitation of the children with Cerebral Palsy (CP): (A case study of District Bhakkar)



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Wednesday, October 10, 2018 (Day-2)

Time Slot 2:00 pm -- 04:00 pm

Parallel Session I Alberuni Block 4th Floor Room No. 404

Civil Engineering	Session Chair:Engr. Prof. Dr. Sher Afzal Khan Rapporteur:Ali Mussarat
Afaq Khattak (IMRC-EN-05)	Paper I: Performance analysis of Bus Rapid Transit Station facilities under fluctuated passengers arrival flow condition
A. Khan (IMRC-EN-06)	Paper II: Mechanical Properties of Different Stabilized Soils of Khyber Pakhtunkhwa
Mirza Ali (IMRC-EN-07)	Paper III: Engineering Properties & Comparison of Potential Aggregates Sources obtains from Federally Administrative Tribal Area (FATA), Pakistan
Daniyal Zafar (IMRC-EN-08)	Paper IV: Detail Study of Different Cracks and Failure of Bitumen or Asphalt

Parallel Session II Alberuni Block 4th Floor Room No. 405

Civil Engineering	Session Chair:Engr. Dr. Qaisar Iqbal Rapporteur:Eng. Hassan Khan
Beenish Jahan (IMRC-EN-09)	Paper I: Effect of Permeatin Grouting Using Cement Bentonite Grout in a Sandy Soil
Shamshad Ali (IMRC-EN-10)	Paper II: Production of Low Cost Foam Mortar Using Indigenous Material
Muhammad Waleed Sarwar (IMRC-EN-12)	Paper III: The Effect of Polypropylene Fibers on the Tensile Strength of Cement Stabilized Mud
Muhammad Junaid (IMRC-EN-14)	Paper IV: Soil Improvement by Using Economical Additives

Parallel Session III Alberuni Block 4th Floor Room No. 406

Civil Engineering	Session Chair:Engr. Dr. Khalid Mahmood Rapporteur:Eng. Fazal Karim
Muhamamd Israr (IMRC-EN-49)	Paper I: Rain water harvesting an Alternative water source for Irrigation - A case stud yof Gulberg Greens Islamabad
Safdar Khan (IMRC-EN-50)	Paper II: Structural Health Monitoring (SHM) of Warsak Dam Peshawar
Zahid Hussain (IMRC-EN-51)	Paper III: Job Safety Analysis and Risk Assessment: A Case Study of Frontier Ceramics Ltd.



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Parallel Session IV Alberuni Block 4th Floor Room No. 407

Physics/ Comp. Science	Session Chair:Engr.Dr. Neelam Gohar & Dr. Muhammad Afaq Rapporteur:Mr. Wahab
Nabia Gulistan (IMRC-EN-23)	Paper I: The Impact of Aerosols on Microphysical Properties of Clouds Over Karachi and Swat, Pakistan
Muhammad Sajid Farooq (IMRC-EN-25)	Paper II: Fuzzy Base approach for Transmitter end Security of IoT on Physical Layer
Muhammad Saleem (IMRC-EN-28)	Paper III: Complexity Analysis of PFO Based MIMO OFDMA System
Abida Begam (IMRC-EN-45)	Paper IV: Semantic Digitization Design and Implementation of Buddha Ontology
Javed Iqbal (IMRC-EN-52)	Paper V: Effect of Light Intensity on the Power and Efficiency of Mono Crystalline Pv-Cell

Parallel Session V Alberuni Block 4th Floor Room No. 408

Agriculture Science	Session Chair:Prof. Dr. Jahan Bakht Rapporteur:Mr. Lal Muhammad
Zohaib Asad (IMRC-LS-16)	Paper I: Molecular Characterization and Genetic Variability of Cucumber mosaic virus infecting Cucumber in pothowar , Pakistan
Muhammad Irfan (IMRC-LS-30)	Paper II: Comparativeeffect of different application rates of biochar prepared from locally abundant feedstock on growth and physiology of Zea mays L. in Ni-contaminated soil receiving Ni-containing water
Maqsood ul Hussan (IMRC-LS-33)	Paper III: Soil Applied Humic Acid and Zinc+Boron Helped to Improve Productivity of Wheat
Sayed Hussain (IMRC-LS-48)	Paper IV: Genome-wide identification, characterization, and expression analysis of the dehydrin gene family in Asian pear (Pyrus pyrifolia)
Asim Gulzar (IMRC-LS-66)	Paper V: Lethal and Sub-lethal Effects of Lufenuron and Alsystin on Brinjal Shoot and Fruit borer, Leucinodes orbonalis (Lepidoptera: Pyralidae)

**Dinner at 07:00 PM
at
Sarhad University, Peshawar**



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Conference Program Detail

Thursday, 11 October, 2018 (Day-3)

Sarhad
University
of Science & Information Technology
Peshawar - Pakistan



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Thursday, October 11, 2018 (Day-3)

Time Slot 9:00 am – 10:30 am

Tea & Refreshment Break (10:30 am – 11:00 am)

Parallel Session I Alberuni Block 4th Floor Room No. 404

Agriculture Science	Session Chair: Prof. Dr. Mukhtar Alam Rapporteur: Ms. Sana Tariq.
Muhammad Imtiaz Khan (IMRC-LS-98)	Paper I: Indol-3-Acetic Acid Rescues Plant Growth and Yield of Salinity Stressed Tomato (<i>Lycopersicon Esculentum</i> L.)
Fazal Jalal (IMRC-LS-99)	Paper II: Effect Of Irrigation, Potassium And Nitrogen Levels On Maize
Fazal Said (IMRC-LS-100)	Paper III: Foraging behavior of the giant honeybee, <i>Apis dorsata</i> F. (Hymenoptera: Apidae) in sunflower (<i>Helianthus annuus</i> L.) at Peshawar District of Pakistan
Adil Hussain (IMRC-LS-101)	Paper IV: Status of the acute food security situation of Pakistan
Farman Ali (IMRC-LS-102)	Paper V: Ice-active substances and low molecular weight cryoprotectants play a pivotal role in the in the intracellular freezing survival of the entomopathogenic nematode, <i>Steinernema feltiae</i>

Parallel Session II Alberuni Block 4th Floor Room No. 405

Bio-Technology & Genetic Engineering	Session Chair: Prof. Dr. Iqbal Muhr Rapporteur: Wasim Iqbal
Adnan Khan Niazi (IMRC-LS-01)	Paper I: Mitochondrial response to ribozyme expression and target RNA knockdown
Muhammad Ali Khan (IMRC-LS-20)	Paper II: Isolation and Functional Characterization of an Ethylene Response Factor (RhERF092) Transcription Factor From Rose (<i>Rosa Hybrid</i>)
Maham Hamid (IMRC-LS-78)	Paper III: Identification of Differentially Expressed Genes in Parkinson's Disease by Analysis of Microarray Data
Sadia Bano (IMRC-LS-85)	Paper IV: Microarray based Analysis of RNA and miRNA Expressions in Hepatocellular Carcinoma: Connection between Onset and Inhibition

Parallel Session III Alberuni Block 4th Floor Room No. 406

Chemistry	Session Chair: Dr. Muhammad Abdul Wasim Rapporteur: Miss Fatima Khetab
Amjad Iqbal (IMRC-LS-06)	Paper I: Cress Seed Mucilage: A Potential Source Of Bioactive Compound(S) With Allelopathic Potential
Shagufta Afaq (IMRC-LS-07)	Paper II: Chenisterol, New Antimicrobial Steroid From <i>Chenopodium badachschanicum</i>
Hamyun Khan (IMRC-LS-47)	Paper III: Photocatalytic Degradation of Alizarin Yellow in Aqueous Medium and Real Samples Using Tin Chitosan Conjugated Magnetic Nanocomposites
Zia-ur-Rahman (IMRC-LS-60)	Paper IV: Dual co-catalysts decorated TiO₂ spheres for efficient photocatalytic hydrogen generation



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Thursday, October 11, 2018 (Day-3)

Time Slot 11:00 am -- 12:30 pm

Lunch & Prayer Break (12:30 am -- 02:00 pm)

Parallel Session IV Alberuni Block 4th Floor Room No. 407

Chemistry	Session Chair:Dr. Yousaf Ali Rapporteur:Dr. Shagufta.
Fahad Jamil (IMRC-LS-65)	Paper I: Production of three-way catalytic converter (50 units per day) for the reduction of pollutants generated from internal combustion engines
Yousaf Ali (IMRC-LS-67)	Paper II: Synthesis and Antibacterial Study of Azo Derivatives of 2-Amino-4,6-Dihydropyrimidine
Aaliya Minhaz (IMRC-LS-77)	Paper III: Spectrophotometric Detection of Heavy Metal Chromium (III)
Fatima Javed (IMRC-LS-84)	Paper IV: Structural, spectroscopic and biological studies of organotin(IV) derivatives of oxo-ethyl carbonodithioate

Parallel Session I Alberuni Block 4th Floor Room No. 404

Climate Change /Natural Science	Session Chair:Prof. Dr. Muhammad Qasim Rapporteur:Ms. Sana Tariq
Sofia Khalid (IMRC-LS-74)	Paper I: Heavy Metals Analysis from Infant Formula Milk and Cow Milk Commercially Available in Rawalpindi, Pakistan
Maryam Faheem (IMRC-LS-80)	Paper II: Analysis of Cloud Optical and Radiative Properties over Lahore and Karachi, Pakistan
Kainat Sabir (IMRC-LS-82)	Paper III: Preparation and Characterization of botanical adsorbents: An Environment friendly bioremediation approach

Parallel Session II Alberuni Block 4th Floor Room No. 405

Medical Lab Technology	Session Chair:Dr. Hazir Rahman Rapporteur:Mr. Lal Muhammad
Hira Anjum (IMRC-LS-23)	Paper I: Isolation and identification of bacteria responsible for urinary tract infection
Mahwish Riaz (IMRC-LS-24)	Paper II: Molecular Detection of Active Hepatitis C Virus in Peshawar Region
Kanwal Rahman (IMRC-LS-76)	Paper III: Early diagnosis may prevent risk of development of diabetes mellitus in cardiomyopathy patients.



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Thursday, October 11, 2018 (Day-3)

Time Slot 11:00 am -- 12:30 pm

Lunch & Prayer Break (12:30 am -- 02:00 pm)

Parallel Session III Alberuni Block 4th Floor Room No. 406

Medical Lab Technology	Session Chair: Prof. Dr. Kamin Khan. Rapporteur: Muhammad Irfan
Faheem Ullah (IMRC-LS-83)	Paper I: Chitosan built Hydrogel with Induced Hydrophilicity for Extended Release of Dopamine for Diabetic wound healing applications
Samawia Rizwan (IMRC-LS-86)	Paper II: Virtual Screening of Novel Multi Target Inhibitors Against Dengue, HCV and Zika by Using Polypharmacology Approach
Ayesha Hanif (IMRC-LS-87)	Paper III: Effects of Smoking on Airway Epithelial Diseases, Asthma and Rhinitis: A Genomics Perspective

Parallel Session IV Alberuni Block 4th Floor Room No. 407

Veterinary Science	Session Chair: Prof. Dr. Sultan Ayaz Rapporteur: Ms. Zill-e-Huma
Saqib Kamran (IMRC-LS-05)	Paper I: Flora of Graveyard of District Bannu, Pakistan and its role in Plants Conservation; a multivariate Statistical approach
Asia Iqbal (IMRC-LS-44)	Paper II: Performance Based Studies of second generation anticoagulant Rodenticides Bromadiolone and Flocoumafen in Mice (<i>Mus musculus</i>)
Mian Saeed Sarwar (IMRC-LS-56)	Paper III: Effect of Ticks on Differential Leukocytes Count in Cattle under Sub Tropical Condition
Hira Anjum (IMRC-LS-04)	Paper IV: Histopathological Changes in Tissues after Sublay Prolene vs Prolene-Vicryl Mesh Implantation in Dogs

Parallel Session V Alberuni Block 4th Floor Room No. 408

Pharmacy	Session Chair: Prof. Kamran Chisti & Dr. Haroon Rapporteur: Mr. Kamran Khan Tatari
Shehla Akbar (IMRC-LS-08)	Paper I: 6-Methoxyflavanone attenuates mechanical allodynia and vulvodinia in the streptozotocin-induced diabetic neuropathic pain
Secma Sartaj (IMRC-LS-09)	Paper II: Electrochemical decontamination of food dye laden waste water
Menhad Khan (IMRC-LS-10)	Paper III: Green synthesis of silver nanoparticles by using Aerial part of plant (<i>vernonia anthelmintica</i>) Extract for antibacterial, antifungal and antioxidant activity
Muhammad Sajid (IMRC-LS-37)	Paper IV: Exposure of bisphenol A in Pakistani population and its association with glycemic index
Waqas Alam (IMRC-LS-50)	Paper V: Flavonoids as acetylcholinesterase inhibitors: Current therapeutic standing and future prospects



OPENING CEREMONY
KEY NOTE SPEAKER (NATIONAL)
Title: Industry-Academia Linkages: The Need of the Day
Prof. Dr. Mohammad Khurshid Khan
Vice Chancellor, Abdul Wali Khan University, Mardan

Abstract

In this era of competition and strive for rankings particularly in Higher Education sector, it is essential for the HEIs to identify the areas of collaboration, co-ordination and mutual support between the two basic sectors for sustainable national progress i.e. academe and industry. These institutes of higher education cannot function as isolated islands of knowledge and therefore bridges are supposed to be built in order to connect these institutes to the clusters of industries and the other stakeholders. This type of bridging between academics, research and industry has always played an vital role in the development process particularly in the developed countries and even in the developed cities of less developed countries. However, the higher education institutes in less developed parts of the country have been unable to benefit from this. In this connection, it is of utmost importance for the higher education institutes to have fully functional offices as ORIC, Career Development Centre, Incubation Centres and Industrial Liaison Offices. Despite of the fact that these offices do exist in most of the universities of Pakistan, but unfortunately the office bearers are not aware of their duties and responsibilities. In most of the cases, the university's top management takes it for granted and focus more on starting new programs and increasing the student intake. Thus establishing Industry-Academia linkages and commercializing university's research is the need of the day. All the universities whether in private or public sector must think seriously in this regard and the universities having good repute with particular reference to industry-academia linkages & fully functional active offices (mentioned above) should play the role of mentor for the new universities. HEC's support and thorough monitoring in this regard will play an important role in this regard to make sure that the universities who are taking these issues for granted must take it seriously.



(CLOSING CEREMONY)

KEYNOTE SPEAKERS (NATIONAL)

Title: Ensuring Food Security through Modern Technologies

Prof. Dr. Abid Farid Khan

Vice Chancellor, University of Haripur, Haripur, KPK

Abstract

Replacement of traditional agriculture with Green revolution led to a big boom in agricultural production but at a huge environmental cost along with overexploitation of natural resources. The world is in need of another sustainable revolution in agriculture to meet the increasing demand of food with growing population and shrinking arable land. Modern technologies that can increase yields on existing land without posing unbearable environmental cost seem to be the only solution for attaining global food security in the years to come. Amazing technological advancement in the modern era has provided us with the tools that can be integrated into our farming system to increase agricultural productivity. We will discuss some of the modern technologies that can ensure food security in a sustainable way.

Brief Bio-data

Professor Dr. Nasser Ali Khan has his PhD in Economics from University of Peshawar and MS from Vrije Universities, Brussels, Belgium. He has remained Professor of Economics in Department of Economics, Peshawar University, and Director, Institute of Management Sciences (IM Sciences), Peshawar for nearly 10 years. He has also remained a banker for some time as well.

Dr. Nasser has remained a member of a number of international societies. He is honorary citizen of High Point, North Carolina, USA. Prof. Nasser has remained President of PUTA (Peshawar University Teachers Association) four times. He has been a member of more than 60 professional and academic bodies and delivered valuable services in leading capacity.

Dr. Nasser has got extensive exposure by visiting 15 countries to attend international conferences and academic gatherings. He can speak 05 languages which includes French as well. He has participated 18 international conferences around the world. He has 18 research articles published in various national and international journals.



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**(CLOSING CEREMONY)
KEYNOTE SPEAKER**

Title: *Emerging Research Trends in Social Sciences*

Prof. Dr. Razia Sultana

Vice Chancellor, Shaheed Benazir Bhutto University, Peshawar

The world we are living in today is witnessing a great deal of technological and scientific innovations and discoveries. This development in the fields of Science and technology has brought with it associated packages of new social and political dynamics. As we all know Social Sciences takes in its scope of study and research of the entire social and scientific phenomenon that directly or indirectly affect the course of social evolution. There are various trends making their way to change or sometimes alter the previously held theories and social laws in the society. Apart from various other trends following are the most important emerging research trends that are taking place in the field of Social Sciences. In the recent past, one notices a major shift in research in education from basic (or fundamental) research to applied (and empirical) research. Both have their own significance and utility. Both complement each other. Many 'fundamental' research contributions have not been noted in the recent past. In contrast, empirical research bulged rather in geometric progression. It is obvious that fundamental research cannot progress at the same rate of growth as of empirical research. Otherwise perhaps fundamental research contributions do not remain 'fundamental'.

Further, the emphasis has been on policy relevant research, as against what is characterised as 'abstract' research. Researchers are asked repeatedly to highlight the policy relevance (use) of their research proposals, and to highlight policy implications of their concluded studies. Thus prescriptive research is more valued than analytical research. The prescriptions, however, tend to be more generalised, non-controversial, than location/ region specific. As the phenomenon of policy use dominates the whole research scene, it is not surprising to find condemnation of 'other' research as 'academic' research, or 'professional' research, if not as 'irrelevant' research. A strong tendency in research has been a shift from data analysis to collection and compilation of data. The funding agencies or consulting firms, particularly international consulting firms who do not know even the basic information about a country or a given region, seem to be more interested in information rather than the analysis.

Brief Bio-data

Professor Dr. Razia Sultana has her PhD in History from Area Study Center, University of Peshawar in 1999. She has two gold medals at her credit. Dr. Sultana has won Fulbright Post Doc Scholarship during 2002-03. She has been **a member of 14 professional bodies, like Vice President, Council of Social Sciences, Member, National Plagiarism Committee, HEC, etc. She has remained editor of two HEC recognized journals.**

Prof. Sultana has a vast administrative experience of more than 25 years. She has served on various key posts and delivered successfully throughout her career. She has taught a number of courses to graduate and post-graduate students, supervised 27 M.Phil and 08 PhD scholars. She has been conducting research projects independently and in collaboration as well. Dr. Sultana has 35 research articles published in various journals, participated in more 40 international and 20 national research conferences.



GUEST SPEAKER 1

Title: *Carbon Dioxide-Enrichment (FACE) System*
Dr. Asmida Ismail, Faculty of Applied Sciences,
University Technology MARA, Shah Alam, Malaysia



Abstract

The increasing concentration of CO₂ in the atmosphere has caused significant environmental changes, particularly to the lower plants such as terrestrial algae and lichens that alter species composition, and therefore can contribute to changes in community landscape. A study to understand how increased CO₂ in the atmosphere will affect algal density with minimal adjustment on its natural ecosystem, and the suitability of the algae to be considered as a biomarker, has been conducted. The current work was conducted in the Free-Air-Carbon Dioxide-Enrichment (FACE) system located in Universiti Kebangsaan Malaysia, Bangi, Malaysia. CO₂ was injected through special valves located along the ring surrounding specimen trees where 10×10 cm quadrats were placed. A total of 16 quadrats were randomly placed on the bark of 16 trees located inside the FACE system. This system will allow data collection on the effect of increased CO₂ without interfering or changing other parameters of the surrounding environment such as the wind speed, wind direction, humidity, and temperature. The initial density *Trebouxia* sp. was pre-determined on 1 March 2015, and the final density was taken slightly over a year later, on 15 March 2016. The exposure period of 380 days shed some light in understanding the effect of CO₂ on these non-complex, short life cycle lower plants. The results from this research work showed that the density of algae is significantly higher after 380 days exposure to the CO₂-enriched environment, at $408.5 \pm 38.5 \times 10^4$ cells/cm², compared to the control site at $176.5 \pm 6.9 \times 10^4$ cells/cm² (independent t-test, $p < 0.001$). The distance between the trees and the injector valves is negatively correlated. Quadrats located in the center of the circular ring recorded lower algal density compared to the ones closer to the CO₂ injector. Quadrat 16, which was nearing the end of the CO₂ valve injector, showed an exceptionally high algal density—2-fold higher than the average density at $796 \pm 38.5 \times 10^4$ cells/cm². In contrast, Quadrat 9, which was located in the center of the ring (lower CO₂ concentration), recorded only $277 \pm 38.5 \times 10^4$ cells/cm², which further supports the previous claim. Based on the data obtained, this study provides useful data in understanding the positive effect of CO₂ on algal density, in a natural environment, and suggests the use of epiphytic terrestrial algae as a biomarker.

Brief Bio-data

PhD in Plant Biotechnology, Imperial College of Technology, Science and Medicine, UK Asmida Ismail (Dr.) is a Senior Lecturer in School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. She then received a scholarship from Ministry of Higher Education Malaysia and UiTM to pursue a PhD in Environmental and Plant Biology at the Imperial College London, United Kingdom. She has been teaching Biology and Biology-related subjects for the last 14 years. She is the Head of Research Interest Group (Ecology & Ecosystem) in Faculty of Applied Sciences. She is also a Senior Editor for the International Journal of Agricultural and Environmental Research, a Senior Member for International Seaweeds Association and a Committee Member for Air Pollution and Environmental Research (UK). Her research interest revolves around the taxonomy and ecology of marine and freshwater algae. However, in the past few years she has ventured into the work involving terrestrial algae and the effect of atmospheric pollutants to microalgal community. She is currently leading a research project which is looking at the biotic and abiotic factors that affect algal species composition and growth. Her works on environmental biology has been presented in local and international conferences and being published in reputable journals including a Q1 journal. She has more than 15 research publications in national and international research journals of repute.



GUEST SPEAKER II

Title: *Africa a Technological Leapfrogging*

Prof. Engr. Dr. Abid Yahya,

Botswana International

University of Science & Technology (BIUST), Botswana

Abstract

The impossible has become achievable in Africa due to the fastest growth in mobile telecommunication industry. Africa, the second biggest mobile market, has sparked a number of digital innovations, with diverse applications in the sector of education, health, ICT, agriculture, governance, finance, energy and tourism. Therapid growth of Tech hubs in Africa gives birth to digital entrepreneurship ecosystem by networking entrepreneurs, designers, developers and prospective investors. The production of cattle in Africa has barriers to it appearing in the form of cattle diseases such as Foot and Mouth (FMD), quarter evil, anthrax, and contagious abortion. Once attacked by these diseases, cattle are usually seen to possess particular signs and symptoms of diseases, showing a more pronounced effect and in such a case it may be late to treat the suffering cattle for such diseases. Vaccines are normally used to prevent infections, but these come at greater costs for the government. The conventional way of telling the health status of a cow involves observation by farmers or guardians of the animals by visual inspection which is the case in Africa in both diagnosis for diseases and observing the cow for heat period. The proposed system is intended for practice in Africa to observe conditions in the life of cattle such as temperature, heart rate, rumen pH which can be used to deliver the health condition of a cow. In addition, the system is autonomous, easy to install, highly scalable and has a relatively high sampling rate which improves the temporal resolution of the monitoring process. The system is aimed at helping farmers in Africa to perform real time diagnosis and detection of diseases and predicting the most suitable times for artificial production of cow off-springs through methods such as artificial insemination.



GUEST SPEAKER III

Title: *Biodiversity and Conservation of Biological Resources*

Dr. Asyraf Mansor,

Associate Professor, Universiti Sains Malaysia



Abstract

Forest ownership is considered as vital for sustainable management of forest and its associated biodiversity. In this study variation in biodiversity were measured using community structure of both vascular plants and avifauna species along selected micro environmental variables. Finally implications for conservation were proposed considering the current state of deforestation in private hill forest (PHF). Plant community and avifauna analysis revealed that government hill forest areas (GHF) were more diverse and healthier than PHF, also rich with higher evenness. Species richness between GHF and PHF showed significant difference in plant species ($p < 0.05$) but not for avifauna. Avifauna diversity analysis recorded higher abundance of birds in PHF and finally appeared as buffer service provider for avifauna diversity in GHF reserves. But the current rate of deforestation in PHF is 1.4% annually. Thus any alteration to hill forest cover (land development activities) should be banned immediately with intensive care to the PHF through co-management. Moreover human activities inside the GHF should also be controlled to conserve the remnant species of the island as conspicuous disturbance were also found inside GHF.

Brief Bio-data

Doctor of Philosophy (Biology), University of London & Diploma of Imperial College (2008) Master of Science (Ecology), Universiti Sains Malaysia (2002). Dr. Mansoor field of specialization is plant population dynamic; wetland plant ecology; and invasive plant management. He has three completed projects at his credit and at current he has five on-going projects. He has supervised a number of PhD and MS. Besides, he has authored 2 books and has two chapters in two edited books. He has published 6 research articles in national and international journals.



4th International Multidisciplinary Research Conference Global Prosperity
Through Research & Development (IMRC-2018) October 9-11, 2018

GUEST SPEAKER IV

**Title: *Importance of structural biopolymers
& Chemistry of γ -chitin***

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Abstract

The biological material, chitin, is present in nature in three allomorphic forms: α , β and γ . Whereas most studies have dealt with α - and β -chitin, only few investigations have focused on γ -chitin, whose structural and physicochemical properties have not been well delineated. Chitin obtained for the first time from the cocoon of the moth (*Orgyiadubia*) was subjected to extensive physicochemical analyses and examined, in parallel, with α -chitin from exoskeleton of a freshwater crab and β -chitin from cuttlebone of the common cuttlefish. Our results, which are supported by ¹³C CP-MAS NMR, XRD, FT-IR, Raman spectroscopy, TGA, DSC, SEM, AFM, chitinase digestive test and elemental analysis, verify the authenticity of γ -chitin. Further, quantum chemical calculations were conducted on all three allomorphic forms, and, together with our physicochemical analyses, demonstrate that γ -chitin is distinct, yet closer in structure to α -chitin than β -chitin.

Brief Biodata

Prof. Dr. Murat Kaya received his master and PhD in Biology from Ankara University, Turkey in 2005 and 2008, respectively. He studies on zooplankton taxonomy, ecology and molecular phylogeny during his master and PhD. Dr. Kaya studied under the Erasmus Program in Gent University, Belgium and the Erasmus Program in Imperial College, London, UK. He has a scholarship from "The Scientific and Technological Research Council of Turkey (TUBITAK 2219)" and he has been in University of California Merced, USA from 1st of June, 2017 (until 1st of April, 2018). Dr. Kaya is interested in zooplankton taxonomy, focusing on rotifers by using morphological and molecular techniques. He has been working on biopolymer isolation from diverse organisms and characterizing them by using the techniques such as FT-IR, TGA, DSC, XRD, NMR, SEM, TEM, AFM, confocal and different kinds of light microscopies since 2012. Dr. Kaya has nearly 90 research publications in national and international journals and has attended nearly 15 international conferences.



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