

CONFERENCE PROGRAM



**3rd International Conference of Sciences
“Revamped Scientific Outlook of 21st
Century, 2024”
(RSO-21st Century)**

November 14th, 2024

Organized by



**Rawalpindi Women University
6th Road Satellite Town, Rawalpindi, Pakistan**

Conference Schedule

08:00 am - 09:00 am	Registrations
09:00 am - 09:15 am	Guests to be seated
09:15 am - 09:30 am	Arrival of Chief Guest
09:30 am - 10:40 am	Inaugural Session
09:30 am - 09:35 am	Recitation from Holy Quran
09:35 am - 09:40 am	National Anthem
09:40 am - 09:50 am	Welcome Address by <i>Prof. Dr. Anila Kamal</i> <i>Vice Chancellor, Rawalpindi Women University,</i> <i>Rawalpindi</i>
09:50 am -10:10 am	Keynote Address: <i>Prof. Dr. Rauf-i-Azam</i> <i>Vice Chancellor, Government College University,</i> <i>Faisalabad</i>
10:10 am - 10:20 am	Remarks by Chief Guest: <i>Dr. Zia Ul-Qayyum</i> <i>Executive Director, Higher Education</i> <i>Commission</i>
10:20 am - 10:30 am	Remarks by Guest of Honor: <i>Mr. Rana Sikandar Hayat</i> <i>Minister for Higher Education, Punjab</i>
10:30 am - 10:40 am	Shields Distribution to the Chief Guest & Keynote Speakers by <i>Prof. Dr. Anila Kamal</i> <i>Vice Chancellor, Rawalpindi Women University,</i> <i>Rawalpindi</i>
10:40 am - 10:45 am	Group Photo
10:45 am – 11:00 am	Tea Break
11:00 am - 01:00 am	Morning Parallel Sessions
	Session IA: Botany (<i>Fatima Hall</i>)
	Session IB: Botany (<i>Room # 286, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IC: Chemistry (<i>Room # 273, 1st Floor, Sheikh Rasheed Block</i>)
	Session ID: CS & IT (<i>Room # 294, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IE: Mathematics (<i>Webinar Room, Sheikh Rasheed Block</i>)

	Session IF: Statistics (<i>Room # 285, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IG: Zoology (<i>Room # 274, 1st Floor, Sheikh Rasheed Block</i>)
	Session IH: Zoology (<i>Room # 300, 3rd Floor, Sheikh Rasheed Block</i>)
11:00 am - 12:30 pm	Posters Display
	Botany (<i>Fatima Hall, Back Side</i>)
	Chemistry (<i>Corridor, 1st Floor, Sheikh Rasheed Block</i>)
	Statistics (<i>Corridor, 2nd Floor, Sheikh Rasheed Block</i>)
	Zoology (<i>Main Entrance, Ground Floor, Sheikh Rasheed Block</i>)
01:00 pm - 01:45 pm	Lunch & Namaz Break
01:45 pm - 04:00 pm	Evening Parallel Sessions
	Session IIA: Botany (<i>Fatima Hall</i>)
	Session IIB: Botany (<i>Room # 286, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IIC: Chemistry (<i>Room # 273, 1st Floor, Sheikh Rasheed Block</i>)
	Session IID: CS & IT (<i>Room # 294, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IIE: Mathematics (<i>Webinar Room, Sheikh Rasheed Block</i>)
	Session IIF: Statistics (<i>Room # 285, 2nd Floor, Sheikh Rasheed Block</i>)
	Session IIG: Zoology (<i>Room # 274, 1st Floor, Sheikh Rasheed Block</i>)
	Session IIH: Zoology (<i>Room # 300, 3rd Floor, Sheikh Rasheed Block</i>)
04:00 pm - 05:00 pm	Panel Discussion
	Moderator: Prof. Dr. Muhammad Zaman Ashraf <i>Chairperson, Chemistry, Rawalpindi Women University</i>
Panelists	Prof. Dr. Tariq Mehmood <i>Former VC, University of Narowal / PMAS, Arid Agriculture University Rawalpindi</i>
	Dr. Muhammad Nadeem <i>Deputy Chief Scientist, Head of Physics Division, PINSTECH Islamabad</i>

	Prof. Dr. Ayyaz Hussain <i>Quaid-i-Azam University, Islamabad</i>
	Prof. Dr. Sohail Nadeem (S.I., T.I.) <i>Quaid-i-Azam University, Islamabad</i>
	Prof. Dr. Javid Shabir <i>University of Wah, Wah Cantt</i>
	Prof (R). Dr Shamim Akhter <i>PMAS-Arid Agriculture University Rawalpindi</i>
05:00 pm - 06:00 pm	Concluding Ceremony
05:00 pm – 05:10 pm	Certificate distribution
05:10 pm - 05:25 pm	Concluding Remarks by <i>Prof. Dr. Muhammad Mukhtar</i> <i>Vice Chancellor,</i> <i>National Skills University, Islamabad</i>
05:25 pm - 05:40 pm	Concluding Remarks by Chief Organizer: <i>Prof. Dr. Anila Kamal</i> <i>Vice Chancellor, Rawalpindi Women University,</i> <i>Rawalpindi</i>
05:40 pm - 06:00 pm	Tea for distinguished guests

ORAL PRESENTATIONS

Session IA

Botany

Venue: Fatima Hall Time: 11:00 am – 01:00 pm
Themes: Climate Change and Adaptations
Chair 1: Dr. Ibrar Shinwari <i>International Islamic University, Islamabad</i>
Chair 2: Dr. Sumaira Sahreen <i>Pakistan Museum of Natural History, Islamabad</i>

Time	Keynote Talk
11:00 am- 11:20 am	Co-benefits of Sustainable Environment and Media Intervention to Address Public Health Uncertainties During Epidemics Prof. Dr. Audil Rashid (<i>University of Gujrat, Gujrat</i>)
11:20 am- 11:40 am	Do We Need a Joint Scientific Effort to Combat the Climate Changes? Prof. Dr. Shuja ul Mulk Khan (<i>Quaid-i-Azam University, Islamabad</i>)

Abstract ID & Time	Oral Presentations
BOT-1409 (11:45am- 11:50am)	Eco-friendly Synthesis of Iron Oxide Nanoparticles using <i>Opuntia dillenii</i> Fruit Extract: Characterization and Investigation of their Multi-faceted Biomedical Potentials Imtiaz, M. (<i>Bacha Khan University, Charsadda</i>)
BOT-003 (11:51 am- 11:56 am)	Harnessing Green Energy and Innovative Processing Techniques to Enhance Nutritional Quality in Food Production

	Riaz, T. (<i>Huazhong Agricultural University, Wuhan, China</i>)
BOT-1250 (11:57 am 12:01 pm)	Sustainable Agriculture's Role in Enhancing Food Security and Nutritional Outcomes Khalid, B. (<i>Huazhong Agricultural University, Wuhan, China</i>)
BOT-1236 12:02pm- 12:07 pm	Mitigation of Drought-Induced Stress in Sunflower (<i>Helianthus annuus</i> L.) via Foliar Application of Jasmonic Acid Through the Augmentation of Growth, Physiological, And Biochemical Attributes Ashraf, F. (<i>University of Gujrat, Gujrat</i>)
BOT-1241 (12:08 pm- 12:13pm)	Fruit Plant Breeding for Climate Resilience: A Key to Sustainable Agriculture Ashraf, A. (<i>Huazhong Agricultural University, Wuhan, Hubei, China</i>)
BOT-1059 (12:14 pm- 12:19pm)	Isolation and Evaluation of Cellulolytic Bacterial Strains for Degradation of High Cellulose Content Waste Durrani, H. (<i>COMSATS University, Islamabad</i>)
BOT-1134 (12:20 pm- 12:25 pm)	Rice-straw Derived Biochar: Characterization and Promoting Plant Growth under Water Stress Conditions Murad., S. (<i>COMSATS University, Islamabad</i>)
BOT-1158 12:25 pm- 12:30pm	The Role of Plants in Climate Change Mitigation and Adaptation Sadeeq, Q. (<i>Allama Iqbal Open University, Islamabad</i>)
12:30 pm- 12:50 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session IB
Botany

Venue: Room # 286, 2nd Floor, Sheikh Rasheed Block

Time: 11:00 am - 01:00 pm

Themes: Unlocking the Potential of Plant-Based Medicines

Chair 1: Prof. Dr. Rahmatullah Qureshi

PMAS-Arid Agriculture University, Rawalpindi

Chair 2: Dr. Sunbal Khalil Chaudhary

The University of Lahore, Sargodha Campus

Time	Keynote Talks
11:00 am- 11:20 am	Natural Products and Antimicrobial Resistance: Alternative for Complementary to Antibiotics? <i>Prof. Dr. Marcello Iriti, (Department of Biomedical, Surgical and Dental Sciences, University of Milan, Italy)</i>

Abstract ID & Time	Oral Presentations
BOT-001 (11:20 am- 11:25 am)	From Plate to Pharma: Unlocking the Nutritional, Phytochemical, Antioxidant, And Cytotoxic Potential of <i>Oxalis corniculata</i>, a Wild Vegetable from Potohar Region of Pakistan <i>Shaheen, A. (PMAS-Arid Agriculture University, Rawalpindi)</i>
BOT-1070 (11:26am- 11:31am)	GC-MS Analysis, Biological Activities and In Silico Prediction of <i>M. buxifolia</i> extracts <i>Azhar, A.H. (National University of Medical Sciences, Islamabad)</i>
BOT-1049 (11:32 am- 11:37 am)	Evaluation of Pharmacological Properties of Untapped Natural Flora for Treatment of Type 2 Diabetes

	Fatima, A. (<i>University of Lahore, Lahore</i>)
BOT-1397 (11:38am- 11:43 am)	Therapeutic Potential and Phytochemical Analysis of Fractionated Extracts of <i>Ziziphus nummularia</i> (Burm. F.) Wight & Arn.: Effects on Pathogenic Bacteria, Free Radicals, and Cancer
	Imran, S. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
BOT-1124 (11:44 am- 11: 49am)	In Vitro Biological and Phytochemical Evaluation of Medicinally Important <i>Commiphora stocksiana</i> Engl and <i>Onosma species</i>
	Naveed, A. (<i>Quaid-i-Azam University, Islamabad</i>)
BOT-1355 (11:50 am- 11:55 am)	Chemical profiling of Three <i>Salvia</i> Species by HS-SPME coupled with GC-MS
	Afzal, T. (<i>Wroclaw University of Environmental and Life Sciences, Wroclaw, Poland</i>)
BOT-1405 (11:56 am- 12:01 pm)	Eco-Friendly Carotenoid Extraction from <i>Eriobotrya japonica</i>
	Kazmi, Z. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1179 (12:02 pm- 12:07 pm)	Genetic Variability and Morphoagronomic Profiling of Common Bean Landraces in Kashmir
	Nasar, S. (<i>University of Azad Jammu and Kashmir, Muzaffarabad</i>)
BOT-1373 (12:08 pm- 12:13pm)	Increasing Vase Life of Cut Flowers through Plant Extracts, Essential oils, Chemical Application their Phytochemical and GC-MS Analysis
	Zafar, S. (<i>University of Gujrat, Gujrat</i>)
12:14 pm 12:40 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIA Botany

Venue: Fatima Hall
Time: Time: 01:45 - 03:45
Themes: Bioproducts, Disease Control, Biodiversity and Conservation
Chair: 1 Prof. Dr. Fayyaz ul Hassan
<i>National Agriculture Education Accreditation Council (NAEAC)</i>
Chair 2: Dr. Abid Riaz
<i>PMAS-Arid Agriculture University, Rawalpindi</i>

Time	Keynote Talk
01:45 pm 02:05 pm	<p>Sino-Pak Biodiversity Research Centre for Agro-Biological Resources Along Silk Road Initiative in China -Pakistan Towards Sustainability</p> <p>Prof. Dr. Mushtaq Ahmad (TI) (<i>Quaid-i-Azam University, Islamabad</i>)</p>
02:10pm- 02:30pm	<p>Rangelands of Pakistan: Current Status, Issues and Potential Restoration for Sustainable Pastoralism Livelihood</p> <p>Dr. Muhammad Khalid Rafiq (<i>National Agricultural Research Center, Islamabad</i>)</p>

Abstract ID & Time	Oral Presentations
BOT-1358 (02:30 pm -02:35 pm)	<p>Biodiesel Synthesis from <i>Datura stramonium</i> L. Seeds Oil, using MgO Nanocatalyst</p> <p>Dawood, S. (<i>University of Mianwali, Mianwali</i>)</p>
BOT-004 (02:36 pm- 02:41 pm)	<p>Statistical Evaluation of Lipid Enhancement in <i>Aspergillus niger</i> Using Response Surface Methodology</p> <p>Ashraf, I. (<i>University of Gujrat, Gujrat</i>)</p>
BOT-1345	Harnessing Medicinal Plants for Smoking

(02:42 pm-02:47 pm)	Cessation: A Natural Approach to Breaking Nicotine Addiction Razzaq, H. (<i>Mirpur University of Science and Technology, Mirpur, AJK</i>)
BOT-1063 (02:48 pm-02:53 pm)	Preliminary Phytochemical Screening and Toxicity Assessment of <i>Dodonaea viscosa</i> Adnan, M. (<i>University of Lahore, Lahore</i>)
BOT-679 (02:54 pm-02:59 pm)	Optimization of Regeneration Parameters in Transgenic Tomato Plants with Improved Efficiency Using Tissue Culture Techniques Perveen, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-815 (03:00 pm-03:05 pm)	Efficacy of <i>Bacillus</i> spp. and <i>Trichoderma harzianum</i> against Bacterial Wilt of Tomato Raja, MU. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
BOT-1450 (03:06 pm-03:11 pm)	Green Elixirs: Boosting Umbilical Cord Stem Cell Growth with Plant Magic: Unleashing the power of Umbilical Cord Stem Cells Kiani, B. H. (<i>International Islamic University, Islamabad</i>)
BOT-1185 (03:12 pm-03:17 pm)	Biological Potential and Growth Promoting Effects of Bio-Synthesized Silver Nanoparticles from <i>Dicliptera bupleuroides</i> Akhtar, W. (<i>University of AJK</i>)
BOT-007 (03:18 pm-03:23 pm)	Genetic Diversity of <i>Rhizoctonia solani</i> AG1-IA, The Causal Agent of Rice Sheath Blight Iqra, M., Abid R., Saif U. & Muhammad Z. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
03:24 pm-03:35 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session IIB
Botany

Venue: Room # 286, 2nd Floor, Sheikh Rasheed Block

Time: 01:45 - 03:45

Themes: Nanoscience, Ecosystem Management and Sustainable Agriculture

Chair 1: Prof. Dr. Sobia Tabassum

International Islamic University, Islamabad

Chair 2: Dr. Naveed Iqbal Raja

PMAS-Arid Agriculture University, Rawalpindi

Time	Keynote Talks
01:45 pm- 02:05 pm	Role of Plants in Environmental Remediation Prof. Dr. Qaisar Mahmood (T.I). (<i>University of Bahrain, Bahrain</i>)
02:05 pm- 02:25 pm	Reimagining Inter-disciplinary Challenges and Transformation in the Contemporary World” Dr. Syed Mehmood Nasir (<i>Former Executive Director, Global Change Impacts Studies Center/ Inspector General of Forests, Pakistan</i>)
Abstract ID & Time	Oral Presentations
BOT-005 (02:26 pm- 02:31 pm)	Identification of Candidate Genes for Grain Zinc and Iron in Bread Wheat Cultivar Zincol-2016 by Transcriptomics of Developing Grains Naseer, S. (<i>Allama Iqbal Open University, Islamabad</i>)
BOT-1393 (02:32 pm- 02:37 pm)	<i>Chenopodium album</i> Mitigate the Fusarium Wilt in Chili by Promoting the Sustainable Agriculture Practice Waqas, H. M. (<i>University of Gujrat, Gujrat</i>)

BOT-1053 (02:38 pm- 02:43 pm)	Zinc oxide Nanoparticles Mediated Salinity Stress Mitigation in <i>Pisum sativum</i>: A Physio-biochemical Perspective Manzoor, M. (<i>University of Lahore, Lahore</i>)
BOT-006 (02:44 pm- 02:49 pm)	<i>Pinus Wallachiana</i> as Home for Macrofungi; A Case Study from Moist Temperate Region of Murree Forest Division Zeb, S. A. (<i>Quaid-i-Azam University, Islamabad</i>)
BOT-1014 (02:50 pm- 02:55 pm)	Carbon Sequestration Potential of Planted Forest Tehsil Sakrand, Sindh, Pakistan: Application Climate Mitigation Din, Z. (<i>Quaid-i-Azam University, Islamabad</i>)
BOT-1408 (02:56 pm- 03:01 pm)	Analysis of Biosynthesized Zinc Oxide Nanoparticles from <i>Thymus linearis</i> Aqueous Extract in Terms of Antibacterial, Antifungal, Anticancer, Cytotoxicity and Antioxidant Studies Zarshan, F. (<i>Bacha Khan University, Charsadda</i>)
BOT-731 (03:02 pm- 03:07 pm)	Bio-prospecting in Coastal Zone Harnessing Medical Properties of Mangroves & Corals reefs Tasleem, S. (<i>Hamdard University</i>)
03:10 pm- 03:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IC

Chemistry

Venue: Room # 273, 1st Floor, Sheikh Rasheed Block

Time: 11:00 am - 01:00 pm

Themes: Sustainable Green Approach/ Climate Change, Polymer's Industrial Utilization/ Recycled materials, Organic & Medicinal Chemistry, Pharmaceutical Drug Development, Computational Chemistry

Chair 1: Prof. Dr. Aurangzeb Hasan

Quaid-i-Azam University Islamabad

Chair 2: Prof. Dr. Manzar Sohail

National University of Science & Technology, Islamabad

Time	Keynote Talks
11:00 am- 11:15 am	Electrochemical Cancer Diagnostics Prof. Dr. Adeel Afzal (<i>The University of the Punjab, Lahore</i>)
11:15 am- 11: 30 am	Metal-Organic Frameworks for Energy Conversion and Storage Application Prof. Dr. Naseem Iqbal (<i>National University of Science & Technology, Islamabad</i>)
11:30 am- 11:45 am	Green hydrogen: A Pathway to Rapid Decarbonization Dr. Javed Mahmood (<i>King Abdullah University of Sciences & Technology, Saudi Arabia</i>)

Abstract ID & Time	Oral Presentations
CHE-1363 (11:45 am - 11:55 am)	Synthesis of Microgel Fabricated with Silver Nanoparticles for Catalytic Applications Ajmal, M., Ahmad, M. & Siddiq, M. (<i>University of</i>

	<i>Education, Lahore; Quaid-i-Azam University, Islamabad)</i>
CHE-957 (11:55 am - 12:05 pm)	New Picolylamine Template Organo-Catalyst for Enantioselective Aldol Reactions Umar, M. U. (<i>University of Malakand, Malakand</i>)
CHE-1457 (12:05 pm - 12:15 pm)	Efficient Infrared-to-Visible Up-Conversion in PbSe/CdSe-ZnS Optoelectronic Device for NIR Detection Saeed, F., Din, N., Sultan, R. M. D., Hussain, S., Asghar, A., Parveen, A., Ashraf, Z., Khan, Q. & Lei, W. (<i>Southeast University, China</i>)
CHE-1249 (12:15 pm - 12:25 pm)	Harnessing Green Energy and Innovative Processing Techniques to Enhance Nutritional Quality in Food Production Riaz, T., Ahmad, T., Khan, M. M., Ahamed, M. S., Fatima, H., Riaz, R., Ashraf, M. A., Ansar, S., Bibi, Z., Khalid, B., Abker, A. M., Ahmad, M., Yongguo, J. & Xing, F. (<i>Northeastern University, China</i>)
CHE-667 (12:25 pm- 12:35 pm)	DOX/mPEG-b-PLG Nanoparticles Combat Human Breast Cancer Cell Lines Ahmad, Z. (<i>Higher Education Archives and Libraries Department, Government of Khyber Pakhtunkhwa</i>)
CHE-1013 (12:35 pm- 12:45 pm)	Effect of Different Reaction Conditions on the Structure and Properties of MoS₂ Synthesized by Hydrothermal Technique Ahmed, K., Anjum, M. A. R., Rasheed, L., Azeem, A., Munazza, J., A. & Haq, G., U. (<i>University of Education Lahore, Attock Campus</i>)
12:45 pm - 01:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIC
Chemistry

Venue: Room # 273, 1st Floor, Sheikh Rasheed Block

Time: 1:45 pm - 03:50 pm

Themes: Solar cells/ Fuel Cells/ Bio-Sensors/ Semi-Conductors, Material's Chemistry/ Nanotechnology/ Biomaterials/ Photo catalysis, Energy storage devices, Environmental chemistry/ Global Waste Management

Chair 1: Prof. Dr. M. Abid Zia

University of Education, Attock Campus

Chair 2: Prof. Dr. Naveed Zafar

Quaid-i-Azam University, Islamabad

Time	Keynote Talk
1:45 pm- 2: 00 pm	Radiation Assisted upscaling of Polymeric Materials Dr. Arshad Farhan (<i>Pakistan Institute of Nuclear Science & Technology, Islamabad</i>)
2:00 pm- 2:15 pm	Synthesis of Molecularly Imprinted Polymers via Visible Light Mediated Atom Transfer Radical Polymerization Dr. Toheed Akhter (<i>Gachon University South Korea</i>)
2:15 pm- 2:30 pm	The Future of the Emerging Industry: Global Market for Peptide Bio Nanomaterials Dr. Ayesha Mujeeb (<i>King Abdullah University of Science & Technology, Kingdom of Saudi Arabia</i>)

Abstract ID & Time	Oral Presentations
CHE-1414 (2:30 pm- 2:40 pm)	Computational Studies of Reactive [CuXH]²⁺ Core: X=Sulphur vs Oxygen Parveen, R. (<i>Quaid-i-Azam University, Islamabad</i>)

<p>CHE-946 (2:40 pm- 2:50 pm)</p>	<p>Detection of Nitroaromatics using Carbon Nitride by Applying the DFT Approach Nabeela (<i>University of Education, Lahore, Attock Campus</i>)</p>
<p>CHE-1458 (2:50 pm- 3:00 pm)</p>	<p>Tibb; A Science of Bio-Natural Medicine and Art of Care Aziz, H. A., Rehman, R., Sarfraz, J., Akhtar, N., Qazi, A., S. Bhatti, M., Z. Shah, S., A. Khan, S., U. Hassan, W. & Aziz, S., U. (<i>National University of Medical Sciences, Rawalpindi</i>)</p>
<p>CHE-1243 (3:00 pm- 3:10 pm)</p>	<p>Synthesis and Characterization of Modern Organic Dielectric Materials Qurrat-ul-ain, Farhan, A., Rasheed, L. & Miskeen, M. (<i>University of Education, Lahore</i>)</p>
<p>CHE-1257 (3:10 am- 3:20 am)</p>	<p>Investigation of Tungsten and Vanadium Doping Effect on Electronic, Catalytical Electrochemical Properties of MOS₂ Azeem, A., Raza, M., A. & Rasheed, L. (<i>University of education, Lahore</i>)</p>
<p>CHE-1459 (3:20 pm- 3:30 pm)</p>	<p>Synthesis, Bioassay and Molecular Docking Analysis of Hydrazide and Amide Derivatives of Nicotinic Acid for Alzheimer’s Disease Treatment Fatima, B., Rasheed, L. & Zia, M., A. (<i>University of Education, Attock</i>)</p>
<p>CHE-915 (3:30 pm- 3:40 pm)</p>	<p>Activation of MOS₂ Basal Plane by Defect Engineering Sajid, F. (<i>University of Education, Lahore</i>)</p>
<p>3:40 pm- 3:50 pm</p>	<p>Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution</p>

Session ID

Computer Science & Information Technology

Venue: Room # 294, 2nd Floor, Sheikh Rasheed Block

Time: 11:00 am - 01:00 pm

Themes: Artificial Intelligence and its Applications

Chair 1: Dr. Shariq Hussain

Foundation University School of Science and Technology, Rawalpindi

Chair 2: Dr. Amber Sarwar

Rawalpindi Women University, Rawalpindi

Time	Keynote Talks
11:05 am- 11:20 am	Replication in Software Engineering: Challenges, Lessons, and the Path Forward Dr. Nasir Mehmood Minhas (<i>Mälardalen University, Västerås Sweden</i>)
11:21 am- 11: 35 am	Emerging Metaverse and Future Opportunities Dr. Mamoona Humayun (<i>University of Roehampton, UK</i>)
11:36 am- 11:50 am	Role of Agile and DevOps to Improve the Quality of Modern software Product lines. Prof. Dr. Yasir Hafeez (<i>PMAS- Arid Agriculture University Rawalpindi</i>)

Abstract ID & Time	Oral Presentations
CSIT-1218 (11:55 am 12:10 pm)	Views of Technology Azhar, N. & Ejaz, A, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1211 (12:11pm - 12:25pm)	Artificial Intelligence & its Applications Faheem, M. (<i>Rawalpindi Women University, Rawalpindi</i>)

CSIT-1205 (12:26 pm - 12:40 pm)	Cognitive Blueprints in Visual Information Design
	Arshad, M. & Zoya, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1216 (12:41pm - 12:55pm)	Artificial Intelligence and Machine Learning Applications in Smart Production: Progress, Trends, and Directions
	Shahzad, R. & Sahar, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
12:56 pm - 01:00 pm	Q & A Session
	Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IID

Computer Science & Information Technology

Venue: Room # 294, 2nd Floor, Sheikh Rasheed Block	
Time: 02:00 pm – 04:00 pm	
Themes: Artificial Intelligence and its Applications	
Chair 1: Dr. Shariq Hussain	
<i>Foundation University School of Science and Technology, Rawalpindi</i>	
Chair 2: Dr. Amber Sarwar	
<i>Rawalpindi Women University, Rawalpindi</i>	

Abstract ID & Time	Oral Presentations
CSIT-1247 (02:00 pm - 02:10 pm)	Business Analytics: How it improves Career Growth, Job Performance and Career Self Efficacy
	Anwar, F, M., Hamid, O. & Abbas, O. (<i>National University of Computer and Emerging Sciences</i>)

CSIT-1207 (02:11 pm - 02:21 pm)	Human Computer Interaction (HCI) Bibi, A. & Riaz, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1064 (02:22 pm - 02:33 pm)	Optimizing Supply Chain Management with Data Analytics and AI Sultan, U, M. & Sarwar, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1270 (02:34 pm - 02:44 pm)	Artificial Intelligence in Medicine Chohan, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1272 (02:45 pm - 02:55 pm)	Artificial Intelligence in Software Engineering Zaheer, A. & Rabbiya, R. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1100 (02:56 pm - 03:06 pm)	A Comparative Study of AI Frameworks for Efficient Model Development Eisha-tur-Raazia, (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-1276 (03:07 pm - 03:17 pm)	Optimizing Road Transport Modal Mix Impact on Greenhouse Gas Emission Rauf, H. & Sarwar, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-926 (03:18 pm - 03:28 pm)	A Comparison of Re-Sampling Techniques for Detection of Multi-Step Attacks on Deep Learning Models Jamal, H, M. (<i>Quaid-i-Azam University Islamabad</i>)
CSIT-1292 (03:29 pm - 03:39 pm)	Evaluating the Impact of ERP and CMS Reengineering on University Operations: Insights from Rawalpindi Women University Ahmad, H. (<i>Rawalpindi Women University, Rawalpindi</i>)
CSIT-720 (03:40 pm -	Data Science Approaches to Social Media Sentiment Analysis in Real-Time

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03:50 pm)	Nadeem, H. (<i>Rawalpindi Women University, Rawalpindi</i>)
03:51 pm - 04:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IE

Mathematics

Venue: Webinar Room, Sheikh Rasheed Block, Ground Floor

Time: 11:00 am - 01:00 pm

Themes: Algebra and Combinatorics, Relativistic, Astrophysics, Gravitation and Cosmology, Mathematical Analysis

Chair 1: Prof. Dr. Khalid Saifullah

Quaid-i-Azam University, Islamabad

Chair 2: Dr. Amna Kalsoom

International Islamic University, Islamabad

Time	Keynote Talks
11:00 am- 11:15 am	Natural Progression: The Impossibility of Revamping Mathematics <i>Prof. Dr. Qaiser Mushtaq. (Emeritus Professor, Quaid-i-Azam University, Islamabad)</i>
11:15 am- 11:30 am	Majorization Results for Analytic Functions Involving The Q-Difference Operator <i>Prof. Dr. Teodor Bulboaca. (Babeş-Bolyai University, Romania)</i>
11:30 am- 11:45 am	Planar Domains in The Theory of Conformal and Harmonic Mappings <i>Prof. Dr. Stanislaw Kanas. (University of Rzeszow, Poland)</i>

Abstract ID & Time	Oral Presentations
MTH-997 (11:45 am - 11:53 am)	Model of Cluster of Star in High Curvature Gravity <i>Manzoor, R. (University of Management and Technology, Lahore)</i>

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MTH-996 (11:53 am - 12:01 pm)	Stability of Anisotropic Perturbed Einstein Universe in $f(R)$ Gravity Saleem, S. (<i>University of Management and Technology, Lahore</i>)
MTH-1221 (12:01 pm - 12:09 pm)	Physical Insights of Stellar Clusters Mumtaz, S. (<i>University of the Punjab, Lahore</i>)
MTH-968 (12:09 pm - 12:17 pm)	Analyzing Black Hole Shadows: Photon Orbits and Silhouette Variations Iftikhar, S. (<i>Lahore College for Women University, Lahore</i>)
MTH-952 (12:17 pm - 12:25 pm)	Geometric Analysis of Thermodynamic Interactions in Diverse Systems Using Geometro thermodynamics Taj, S. (<i>National University of Sciences and Technology, Islamabad</i>)
MTH-1062 (12:25 pm - 12:33 pm)	S-Boxes Cryptographic Technique Medhit, S. (<i>PMAS- Arid Agriculture University Rawalpindi</i>)
MTH-860 (12:33 pm - 12:41 pm)	Exploring Fourth-Order Hankel Determinants for Subclasses of Analytic Function using the Lune Function Rasool, F. (<i>PMAS- Arid Agriculture University Rawalpindi</i>)
MTH-897 (12:41 pm - 12:49 pm)	A Study of Seventh Order KdV-Type Partial Differential Equations via Haar Wavelet Saleem, S. (<i>Lahore College for Women University, Lahore</i>)
12:49 pm - 01:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIE

Mathematics

Venue: Webinar Room, Sheikh Rasheed Block, Ground Floor

Time: 1:45 pm – 03:45 pm

Themes: Applied Mathematics for Sustainable Development, Mathematical Models of Biological Functions, Pure Mathematics, Theoretical and Computational Fluid Dynamics

Chair 1: Prof. Dr. Tariq Javed

International Islamic University, Islamabad

Chair 2: Dr. Tahir Mehmood

International Islamic University, Islamabad

Time	Keynote Talk
01:45 pm 02:00 pm	Linear Diophantine Fuzzy Optimization with Applications Prof. Dr. Muhammad Riaz (<i>University of the Punjab, Quaid-e-Azam Campus, Lahore</i>)
02:00 pm 02:15 pm	Mixed Physics Informed Neural Networks (MPINNs) for Bio-fluid mechanics Prof. Dr. Kh S Mekheimer (<i>Al-Azhar University, Egypt</i>)

Abstract ID & Time

Oral Presentations

MTH-970 (02:15 pm - 02:22 pm)	Analysis and Applications of Similarity Measures for Spherical Fuzzy Sets Muhammad, I. (<i>International Islamic University, Islamabad</i>)
MTH-1132 (02:22 pm - 02:29 pm)	Comparative Analysis of Singular Value Decomposition and Principal Component Analysis for Image Compression Habib, S. (<i>COMSATS University, Islamabad</i>)
MTH-705 (02:29 pm -	Hybrid Optimization Techniques for Zika Epidemic Model with Wolbachia: Genetic and

02:36 pm)	Interior-Point Algorithms Batool, S. (<i>PMAS-Arid Agricultural University Rawalpindi</i>)
MTH-982 (02:36 pm - 02:43 pm)	Flow Control around a Triad of Symmetric Cylinders at Close Proximity via the Splitter Plates Nadeem, S. (<i>Air University, Islamabad</i>)
MTH-862 (02:43 pm - 02:50 pm)	Special Classical Classes of Univalent Functions Shaheen, F. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
MTH-973 (02:50 pm - 02:57 pm)	Nonlocal Analysis of Thermoelastic Wave Propagation in Semiconducting Diffusive Porous Media with Temperature Rate Dependence Sharif, I. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
MTH-825 (02:57 pm - 03:04 pm)	Study of an Inclined MHD of Peristalsis flow through an Inclined Diverging Tube in the Presence of (Au-Ag/water) Hybrid Nanofluid Iftikhar, N. (<i>Balochistan University of Information Technology, Engineering and Management Sciences, Quetta</i>)
MTH-1072 (03:04 pm - 03:11 pm)	Application of Activation Energy on MHD Bioconvective Flow of Trihybrid Casson Nanofluid Over a Permeable Exponential Stretching Sheet Ijaz, A. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
MTH-867 (03:11 pm - 03:18 pm)	Investigation on the Impact of Hall and Ion Slip Currents and Buoyant Force on Heat Transfer in three-Dimensional Flow of Carreau-Yasuda Fluid with Multi-Nanoparticles Shakir, B. (<i>Institute of Space and Technology, Islamabad</i>)
MTH-1022 (03:18 pm -	Dynamic Analysis of Cross Fluid Flow in Peristaltic Channel with Walls Properties

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03:25 pm)	Sadaf, H. (<i>DBS&H, CEME, National University of Sciences and Technology, Islamabad</i>)
MTH-891 (03:25 pm - 03:32 pm)	Numerical Analysis of a Corrugated H-Shaped Chamber Filled with Non-Newtonian Casson Hybrid Nanofluid Ullah, I. (<i>Quaid-I-Azam University Islamabad, Islamabad</i>)
MTH-904 (03:32 pm - 03:39 pm)	Analytic Classes Based on Bohr Inequalities Hussain, S. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
MTH-1026 (03:39 pm - 03:46 pm)	Analytic Classes defined by Linear Differential Operator Ayaz, M. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
03:46 pm - 04:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IF

Statistics

Venue: Room # 285, 2nd Floor, Sheikh Rasheed Block

Time: 11:00 am - 01:00 pm

Themes: Big data and Data Science/Machine Learning, Recent Trends in Bayesian Statistics and Probability Theory, Life Science Statistics, Time Series Analysis and Econometrics and Real-World Statistics Application

Chair 1: Dr. Asma Gul

(National University of Science & Technology, Islamabad)

Chair 2: Dr. Amna Nazeer

COMSATS University, Islamabad

Time	Keynote Talks
11:00 am - 11:19 am	<p>Role of Auxiliary Information in Mean Estimation with Mixture Optional Enhanced Trust RRT Models</p> <p>Prof. Dr. Sat Gupta (<i>University of North Carolina, Greensboro, USA</i>)</p>

Abstract ID & Time	Oral Presentations
<p>STAT-1286 (11:20 am- 11:29 am)</p>	<p>Bayesian Marginal Likelihood Estimation for Mixture Models</p> <p>Abbasi, F. A., & Aslam. M (<i>International Islamic University, Islamabad</i>)</p>
<p>STAT-1386 (11:30 am- 11:39 am)</p>	<p>Bayesian Network-Based Procedure for Regional Drought Monitoring–The Standardized Regional Drought Index</p> <p>Qamar, S., & Kosar, R. (<i>University of Sargodha</i>)</p>

<p>STAT-1282 (11:40 am- 11:49 pm)</p>	<p>Loans to Livelihoods: Microfinance Access and Women Entrepreneur’s Business Performance Nazuk, A., Sajjad, S., Abbas, A., & Rashid, H. (<i>National University of Science & Technology, Islamabad</i>)</p>
<p>STAT-1288 (11:50 pm- 11:59 pm)</p>	<p>Elastic Net Regularization in Copula-Based Regression: A Novel Approach with Real Data Applications Rani, H., Mehmood, T., & Aslam, M. (<i>Riphah International University, Islamabad</i>)</p>
<p>STAT-927 (12:00 pm- 12:09 pm)</p>	<p>Bayesian Modeling of Extreme Droughts Risk Sabir, S., Ahmad, T., & Shafique Ur Rehman (<i>Quaid-i-Azam University, Islamabad</i>)</p>
<p>STAT-1417 (12:10 pm- 12:20 pm)</p>	<p>Statistical Analysis of Factors Associated with the Age at First Marriage of Females in Peshawar Jabeen, R., & Ijaz, M. (<i>Shaheed Benazir Bhutto Women University Peshawar</i>)</p>
<p>STAT-1325 (12:21 pm- 12:31 pm)</p>	<p>Detection of Melanoma Skin Cancer Using Deep Learning Sabir, R., & Mehmood, T. (<i>National University of Science & Technology, Islamabad</i>)</p>
<p>12:32 pm- 01:00 pm</p>	<p>Q & A Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shield and Certificates Distributions</p>

Session IIF

Statistics

Venue: Room # 285, 2nd Floor, Sheikh Rasheed Block Time: 02:00 am - 03:45 pm
Themes: Survey Design and Sampling, Multidimensional Analysis, Designing and Analyzing Randomized Control Trials and Spatial Data Analytics
Chair 1: Dr. Ishfaq Ahmad
<i>Islamic International University, Islamabad</i>
Chair 2: Dr. Mazhar Yaqoob
<i>Islamabad College for Boys F 10/4, Islamabad</i>

Time	Keynote Talks
02:00 pm - 02:20 pm	Adaptive Sampling - An Introduction Prof. Dr. Javid Shabir (<i>University of Wah, Wah Cantt</i>)

Abstract ID & Time	Oral Presentations
STAT-1432 (02:21 pm - 02:30 pm)	A Class of Estimators for Estimation of Population Mean Under Random Non-Response in Two Phase Successive Sampling Basit, Z., Masood, S., & Bhatti, I. (<i>Government College Women University, Sialkot</i>)
STAT-1333 (02:31 pm - 02:40 pm)	Enhancing the Efficiency of Randomized Response Techniques Using Direct Responses Azeem, M., & Khan, N. (<i>University of Malakand, Malakand</i>)
STAT-1334	An Efficient Modification to Randomized Response Models for Quantitative Variables

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(02:41 pm - 02:50 pm)	Azeem, M., Salam, A., Asadullah, & Abdul Basit, A. (<i>University of Malakand, Malakand</i>)
STAT-1429 (02:51 pm - 03:00 pm)	Some Log-Type Classes of Imputation Methods using Higher Order Moment of Dual Auxiliary Variables in Two-Phase Sampling
	Masood, N., & Iqbal, M. (<i>University of Peshawar, Peshawar</i>)
STAT-1335 (03:01 pm - 03:10 pm)	Sensitive Data Using the Randomized Response Technique: An Application to Italian Income and Wealth Data
	Adeel & Khan, M. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
STAT-1396 (03:11 pm - 03:20 pm)	Enhanced Estimators Based on Some Robust Measures of Location
	Abid, M., & Munir, R. (<i>Government College University, Faisalabad</i>)
03:21 pm - 03:40 pm	Q & A Session
	Session Concluding Remarks by <i>Session Chair</i> and <i>Co-Chair</i> Shield and Certificates Distributions

Session IG

Zoology

Venue: Room # 274, 1st Floor, Sheikh Rasheed Block
Time: 11:00 am - 01:00 pm
Themes: Integrated Pest Management, Beneficial Insects and Bee Economics
Chair 1: Prof. Dr Shamim Akhter
<i>PMAS-Arid Agriculture University, Rawalpindi</i>
Chair 2: Dr. Sardar Azhar Mehmood
<i>Hazara University, Mansehra</i>

Time	Keynote Talks
11:00 am- 11:15 am	Tissue Engineering: Promising role in Regenerative medicine Prof. Dr. Irfan Zia Qureshi (<i>Quaid-i-Azam University, Islamabad</i>)
11:15 am- 11: 30 am	Development of Germ-Free Fish Models: Advancing Gut Microbiome Research Prof. De-Sheng Pei (<i>Chongqing Medical University, China</i>)

Abstract ID & Time	Oral Presentations
ZOO-813 (11:30 am - 11:40 am)	Evaluation of Mineral Elements from <i>Apis mellifera</i> Honey of Various Flora Haider, Z. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-738 (11:40 am - 11:50 am)	Evaluating the Effects of Brown Seaweed (<i>Sargassum ilicifolium</i>) Supplementation on Body Composition and Hematological Profiles in <i>Labeo rohita</i>

	Zulfiqar, R., Asad, F., Qamer, S., Naseer, S., Kanwal, I., Jamal, R., Nadeem, A., Ali, S. & Murtaza, Z. (<i>Government College University, Faisalabad</i>)
ZOO-712 (11:50 am - 12:00 am)	Effect of Dietary Brown Seaweed (<i>Sargassum ilicifolium</i>) Supplementation on Growth Performance and Hematology of <i>Cirrhinus mrigala</i> Kanwal, I., Asad, F., Qamer, S., Javaid, S., Naseer, S., Zulfiqar, R., Jamal, R., Fatima, R., Nadeem, A. & Ali, S. (<i>Government College University, Faisalabad</i>)
ZOO-1234 (12:00 am - 12:10 pm)	Impacts of Anthropogenic Activities on the Distribution and Diversity of Aquatic Insects in District Karak Haq, I. U. (<i>Hazara University Mansehra</i>)
ZOO-883 (12:10 pm - 12:20 pm)	Molecular Phylogenetics of Green-eyed Skimmers <i>Macromia Moorei</i> (Odonata: Cordullidae) Of Hazara Region Pakistan Mehmood, S. A., Zia, A., Ahmed, S. (<i>Hazara University Mansehra</i>)
ZOO-842 (12:20 pm - 12:30 pm)	Ethnomedicinal Use of Animals and Their Products for The Cure of Diseases in Sargodha, Pakistan Riaz, M. & Ashraf, S. (<i>The University of Lahore, Sargodha Campus</i>)
ZOO-841 (12:30 pm - 12:40 pm)	Survey of Intensity and Associated Risk Factors of Lumpy Skin Disease in Sargodha, Pakistan Raheem, A. U., Ashraf, S. & Sehar, S. (<i>The University of Lahore, Sargodha Campus</i>)
12:40 pm - 01:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIG

Zoology

Venue: Room # 300, 3rd Floor, Sheikh Rasheed Block

Time: 11:00 am - 01:00 pm

Themes: Wildlife Management and Policy, Marine and Freshwater Biology

Chair 1: Prof. Dr. Sarwat Jahan

Quaid-I-Azam University, Islamabad

Chair 2: Prof. Dr. Hamid Mukhtar

Government College University, Lahore

Time	Keynote Talk
11:00 am 11:15 am	TNF-MK2 signaling drives protective autophagy following MAPK pathway inhibition in pancreatic cancer
	Dr. Iftikhar Ali Khawar (<i>Washington University School of Medicine, St Louis, USA</i>)
11:15 am 11:30 am	The Tuestudines Seek Mercy
	Dr. Zaib-un-Nisa (<i>Government College University Faisalabad</i>)

Abstract ID & Time	Oral Presentations
ZOO-1230 (11:30 am- 11:40 am)	Exploration of Insects Biodiversity from District Abbottabad using Molecular Method
	Shafique, R., Muhammad, K. and Mehmood, S. A. (<i>Hazara University, Mansehra</i>)
ZOO-1227 (11:40 am- 11:50 am)	Realizing the Importance of Yak Species (<i>Bos grunniens</i>) the King of Mountains in Northern Pakistan

	Hussain, T., Aziz1, U., Sohail, M. M. & Raza, G. (<i>Virtual University of Pakistan, Rawalpindi</i>)
ZOO-1226 (11:50 am-12:00 pm)	Role of Monoclonal Antibodies in Fish Health Management Waheed, I. (<i>Govt Graduate College Chowk Azam affiliated with BZU Multan</i>)
ZOO-1223 (12:00 pm-12:10 pm)	Ameliorative Effects of <i>Trachyspermum ammi</i> on Hepatotoxicity and Nephrotoxicity Induced by Graphene Oxide Nanoparticles in Albino Rats Shahid, Z., Nisa, Z. U., Zafran, M. & Usman, H. (<i>Government College University, Faisalabad</i>)
ZOO-1202 (12:10 pm-12:20 pm)	Ambassis Vachelli, (Richard, 1846 Vachelli's Glass Perchlet Perciformes: Ambassidae) New Report from Sonmiani Bay, Balochistan Pakistan Hawa, N. & Saher, N. U. (<i>University of Karachi, Karachi</i>)
ZOO-729 (12:20 pm-12:30 pm)	The Local Trade Inventory of Coral in Pakistan Raza, A., Inam, A. & Zafar, M. A. (<i>Hamdard University, Karachi</i>)
ZOO-1199 (12:30 pm-12:40 pm)	Inter Population and Intra-Population Genetic Variations in Three Species of Genus <i>Penaeus</i> (Family Penaidae) Found in Coastal Waters of Pakistan Noor, S. H. & Saher, N. U. (<i>University of Karachi, Karachi</i>)
ZOO-1198 (12:40 pm-12:50 pm)	Study of Seafood Contamination through Micro Flora Analyses from The Digestive Tract of Shark Species Landed at Karachi Fish Harbor Nasir, R., Khalil, S., Abbas, Y., Ali, S. & Saher, N. U. (<i>University of Karachi, Karachi</i>)
12:20 pm-01:00 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session IH

Zoology

Venue: Room # 274, 2nd Floor, Sheikh Rasheed Block Time: 02:00 pm - 04:00 pm
Themes: Physiology and Adaptation, Endocrine Research
Chair 1: Prof. Dr Sohail Ahmad <i>Margalla Institute of Health Sciences, Rawalpindi</i>
Chair 2: Dr. Zaib Un Nisa <i>Government College University, Faisalabad</i>

Time	Keynote Talk
02:10 pm 02:20 pm	Green synthesis of Biodiesel through Lipase Mediated Transesterification of Non-Conventional Oils using Nano-Biocatalysts Prof. Hamid Mukhtar (<i>Government College University, Lahore</i>)

Abstract ID & Time	Oral Presentations
ZOO-1117 (02:20 pm- 02:30 pm)	Assessment of Antidepressant Potentials of <i>Periploca aphylla</i> Fractions Rashid, U., Khan, M. R., Jan, S., Ismail, H. & Mirza, B. (<i>Quaid-i-Azam University, Islamabad</i>)
ZOO-839 (02:30 pm- 02:40 pm)	Ethnomedicinal Use of Wild Fauna by the Local Community of Chakwal Zafar, R., Ashraf, S., Khalil, S., Aslam, R., Mulazim, S. & Gull, A. (<i>University of Lahore, Sargodha Campus</i>)
ZOO-707	Fungal Treatment of Paper and Pulp Industry Waste

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(02:40 pm-02:50 pm)	Qamer, S., Ali, M. I. & Malik, A. Y. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1316 (02:50 pm-03:00 pm)	Estimation of Population Density of Unique Migratory Bird <i>Chlamydotis Undulata Macqueenii</i> at Cholistan Desert, Punjab, Pakistan
	Zafran, M., Nisa, Z. U., Shahid, Z. & Hazrat Usman Sherani, H. U. (<i>Government College University Faisalabad</i>)
ZOO-1354 (03:00 pm-03:10 pm)	Prevalence of Lumpy Skin Disease in District Torghar Pakistan
	Khan, J., Saeed, K., Shamas, S., Khan, L. Siraj, L. (<i>University of Buner</i>)
ZOO-1322 (03:10 pm-03:20 pm)	Effect of Maternal Stress on the Development of Embryo in Humans
	Abroo, T. & Shamas, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1061 (03:20 pm-03:30 pm)	Prevalence of Complete Molar Pregnancy and its Association with Hcg Hormone IN District, Gujrat, Punjab, Pakistan
	Afzal, Z., Roshan, S., Shamas, S., Asif, M., Amjad, G. & Ansar, R. (<i>University of Gujrat, Gujrat</i>)
ZOO-1314 (03:30 pm-03:40 pm)	Anti-Asthmatic Impact of Bark of <i>Cassia fistula</i> in Asthmatic Mice
	Shah, S. H., Murtaza, G. & Hussain, M. (<i>Department of Zoology, University of Gujrat, Gujrat</i>)
ZOO-838 (03:40 pm-03:50 pm)	Use of Animal Products for The Cure of Diseases in The Area of Chenab
	Shahid, R. & Ashraf, S. (<i>The University of Lahore, Sargodha Campus</i>)
03:50 pm-04:00 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session III
Zoology

Venue: Room # 300, 3rd Floor, Sheikh Rasheed Block

Time: 02:00 pm - 04:00 pm

Themes: Applied Microbiology, Biodiversity and Conservation

Chair 1: Prof. Dr Amina Zuberi

Quaid-i-Azam University, Islamabad

Chair 2: Dr. Farkhanda Asad

Government College University, Faisalabad

Time	Keynote Talks
02:00 pm- 02:10 pm	Cryopreservation of Honey Bee Reproductive Cells for Genetic Preservation Dr Aziz Gul (<i>Hatay Mustafa Kemal University, Turkey</i>)

Abstract ID & Time	Oral Presentations
ZOO-1051 (02:10 pm- 02:20 pm)	Population Estimation of Hyaena Hyaena in Drazinda Region of Dera Ismail Khan, KPK Sherani, H. U. & Nisa, Z. U. (<i>Government College University Faisalabad</i>)
ZOO-1197 (02:20 pm- 02:30 pm)	The Impact of Microplastics on The Quality of Sea Food, with Reference to Edible Crab Found along Pakistan's Coast Shahwar, D. E. & Saher, N. U. (<i>University of Karachi, Karachi</i>)
ZOO-1149 (02:30 pm- 02:40 pm)	Prevalence of Diabetic Foot Ulcers (DFUS) in Diabetic Patients of Nausharo Feroze Sindh Channa, F. (<i>Zoology Sindh College Education</i>)

<p>ZOO-1201 (02:40 pm- 02:50 pm)</p>	<p>Spatial Size Distribution and Competition for Resource Sharing in Five Species of Hermit Crabs Found Along the Coast of Pakistan Narejo, A. H. & Saher, N. U. (<i>University of Karachi, Karachi</i>)</p>
<p>ZOO-1105 (02:50 pm- 03:00 pm)</p>	<p>Screening Viral Infections, Associated Risk Factors among Prisoners, Central Jail South Punjab Tahir, M. S., Rashid, U., Khursheed, W. & Naeem, M. U. (<i>Abasyn University Islamabad Campus</i>)</p>
<p>ZOO-1071 (03:00 pm- 03:10 pm)</p>	<p>Study of Elletaria Cardamom on Hematologic Parameters, Hormonal Changes and Sperm Count The White Male Rabbits (<i>Oryctolagus cuniculus</i>) Amjad, G., Roshan, S., Shamas, S., Ansar, R., Afzal, Z. & Asif, M. (<i>University of Gujrat, Gujrat</i>)</p>
<p>ZOO-1056 (03:10 pm- 03:20 pm)</p>	<p>Prevalence of Endoparasites in Antelopes from Selected Parks in Lahore Pujnab, Pakistan Faiz, M., Irum, S., Roshan, S., Shamas, S. & Rida. (<i>University of Gujrat, Gujrat</i>)</p>
<p>ZOO-831 (03:20 pm- 03:30 pm)</p>	<p>Notes on Species of the Genus Cercophorus Chevrolat, 1880 (Coleoptera: Curculionidae: Entiminae) of Pakistan: Effect of Habitat and Climatic Changes Fatima, N., Ahmed, Z. & Lalika, H. A. (<i>Rawalpindi Women University, Rawalpindi</i>)</p>
<p>ZOO-1034 (03:30 pm- 03:40 pm)</p>	<p>Advancements in Integrated Pest Management: Integrating Biological Control, Chemical Applications, and Cultural Practices for Sustainable Cotton Yield Enhancement Hashmi, Q. A., Asad, I., Daman, M., Fatima, A. & Kawal, M. (<i>University of Gujrat, Gujrat</i>)</p>
<p>ZOO-1032</p>	<p>Effect of Glyphosate Exposure on Liver and Kidney Functions in Gallus Gallus domesticus</p>

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(03:40 pm- 03:50 pm)	Ambreen, F., Nazir, A., Javaid, H. & Imran, M. <i>(Rawalpindi Women University, Rawalpindi)</i>
03:50 pm- 04:00 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

POSTER PRESENTATIONS
(11:00 am - 12:30 pm)

Botany

Venue: Fatima Hall, Back Side

Poster Judges	
Dr. Nazneen Bangash	<i>COMSATS University, Islamabad</i>
Dr. Abdul Qayyum	<i>University of Haripur, Haripur</i>
Dr. Luqman Riaz	<i>Kohsar University, Murree</i>

Poster Code	Title
BOT-1371	Effects of Industrial and Household Effluents on Morphological, Physiological, Phytochemical and Antioxidant Traits of Selected Plant Species of Brassicaceae Family <i>Zafar, A. (Government College Women University Sialkot)</i>
BOT-008	Physiological Response of Wheat to Moringa Seed Extract and Salicylic Acid Under Various Chromium Stress Constraints <i>Farooq, A. (University of Gujrat, Gujrat)</i>
BOT-1115	Ethnobotanical Study of Important Medicinal Plants from Jand, District Attock, Pakistan <i>Nawab, A. (Rawalpindi Women University, Rawalpindi)</i>
BOT-1067	Adsorption of Copper from Wastewater Through Silver Nanoparticles Activated Biochar <i>Ahmed, S. (University of Gujrat, Gujrat)</i>
BOT-1188	Bio-assisted Synthesis, Characterization and Selected Biological Activities of Silver Nano Particles Using <i>Argyrobium roseum</i>

	Akhtar, W. (<i>University of AJK</i>)
BOT-009	In Vitro Bio-Investigations of <i>Rhamnus utenbe</i> ruits-based Iron Oxide Nanoparticles
	Kazmi, R. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1278	The Phenetic and Phylogenetic Study of Genus <i>morus</i> Reveals a New Species from Pakistan
	Saleem, H.A. (<i>University of The Punjab, Lahore</i>)
BOT-1055	Study of Ethnobotanical Flora and Medicinal Plants of District Mandi Bahauddin
	Munir, I. (<i>The University of Lahore, Sargodha Campus</i>)
BOT-1398	Ethnobotany and Floral Diversity of Medicinal Plants for Management of Diseases in District Sudhnuti, AJK, Pakistan
	Akram, M. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-992	In Silico Vaccine Design for <i>Yersinia enterocolitica</i>: A Comprehensive Approach to Enhanced Immunogenicity, Efficacy and Protection
	Kanwal, M. (<i>National University of Medical Sciences, Rawalpindi</i>)
BOT-010	Biological Activities of <i>Ziziphus spina-christi</i> Fruit Extract Conjugated with Silver Oxide Nanoparticles
	Ansar, H. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-011	Biological Activities of <i>Ziziphus spina-christi</i> Fruits Extracts Conjugated with Silver Oxide Nanoparticles
	Mobeen, L. (<i>Rawalpindi Women University, Rawalpindi</i>)

<p>BOT-1015</p>	<p>Evaluating Efficient Organic Additive to Boost Sugarcane Bagasse and Rice Husk Composting With or Without Inoculum</p> <p><i>Sadaf, R. (PMAS-Agriculture University Rawalpindi)</i></p>
<p>BOT-1344</p>	<p>Sustainable Production of Biodiesel from Non-Edible Oil Seeds (<i>Ziziphus oxyphylla</i> Edgew.) vis Novel and Recyclable Nanocomposite (CoWO₃@rGO)</p> <p><i>Eman. Z. (Rawalpindi Women University, Rawalpindi)</i></p>
<p>BOT-1356</p>	<p>Investigation of Effects of Industrial and Household Waste Water on Morphological, Physiological, Phytochemical and Antioxidant Attributes of <i>Coriandrum sativum</i> L.</p> <p><i>Shahzadi, N. (GC Women University, Sialkot)</i></p>
<p>BOT-1349</p>	<p>Agroforestry as a Sustainable Strategy for Enhancing Biodiversity and Ecosystem Services in Agricultural Landscapes</p> <p><i>Shafique, S. M. (GC Women University, Sialkot)</i></p>
<p>BOT-1052</p>	<p>Antimicrobial susceptibility of <i>Cassia fistula</i> and <i>Ricinus communis</i></p> <p><i>Ramash, R. (University of Lahore, Sargodha Campus)</i></p>
<p>BOT-1043</p>	<p>Genetic Diversity Assessment in Exotic Soybean Accessions for Climate Resilience</p> <p><i>Iqbal, S. (University of Agriculture Faisalabad Constituent College Depalpur, Okara)</i></p>
<p>BOT-012</p>	<p>Sustainable Mangroves Management Along the Indus Delta Using Geospatial Machine Learning Approach</p> <p><i>Hassan, S. S. (University of Engineering and Technology, Peshawar)</i></p>
<p>BOT-013</p>	<p>Synthesis of Eco-friendly Biodiesel from Non-Edible Oil Seeds of <i>Lepidium sativum</i></p>

	Siddiqa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-014	Green Synthesis of Zinc Oxide Nanoparticles using <i>Justicia adhatoda</i> for Biomedical Applications
	Hafeez, K. (<i>International Islamic University, Islamabad</i>)
BOT-1179	Ethno-pharmacological Investigation of Some Selected Medicinal Plants of khewra Salt mine for Treating Skin Diseases
	Naseer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-015	Influence of Edaphic, and Farming Dynamics in the Wheat Field of District Khushab
	Ain, Q. (<i>Quaid-i-Azam University, Islamabad</i>)
BOT-016	Sustainable Biodiesel Production from <i>Malilotus Officinalis</i> Using Highly Reactive Green Nanocatalysts Al₂O₃
	Abdullah, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1342	Sustainable Biodiesel Production using Non-Edible Seed Oil (<i>Argemone ochroleuca</i>) Via Novel and Recyclable Nano Composite (Cu-Mmt Clay)
	Eman, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1058	Phytochemical Characterization and Assessment of Crude Extracts from <i>Justicia Adhatoda</i> for Phytotoxic and Cytotoxic Activity
	Nasir, M. (<i>The University of Lahore, Sargodha Campus</i>)
BOT-1065	Integrated Application of Salicylic Acid and PGPRs to Control <i>Fusarium</i> Wilt of Chickpea
	Mufti, R. (<i>Quaid-i-Azam University, Islamabad</i>)

BOT-017	Miraculous Role of Medicinal Plants for welfare of Mankind Javed, B. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-952	Invasive Plants Diversity, Ecological Status, and Distribution Pattern in Relation to Edaphic Factors in Different Habitat Types of District Mandi Bahauddin, Punjab, Pakistan Jamil, M. D. (<i>University of Gujrat, Gujrat</i>)
BOT-018	Evaluation of Antimicrobial Activity of Selected Indigenous Medicinal Plants Bibi, S. (<i>International Islamic University, Islamabad</i>)

Chemistry

Venue: Corridor, 1st Floor, Sheikh Rasheed
Block

Poster Judges	
Prof. Dr. Humaira Nadeem	<i>Riphah International University, Islamabad</i>
Dr. Saima Nasir	<i>Allama Iqbal Open University, Islamabad</i>

Poster ID	Title
CHE-1228	Computational and Wet Lab Approaches for The Design and Synthesis of Azole Small Molecules as Inhibitors of Mushroom Tyrosinase <i>Ahmad, K. (Allama Iqbal Open University, Islamabad)</i>
CHE -806	Integrating Computational Method for Druggable Beta Catenin Inhibitory Phytocompound From Glycine max l. Seeds to Treat Ovarian Cancer <i>Hafeez, S., Ahmed, A., Mureed, M., Shahid, H. & Akram, A. (The University of Lahore, Lahore)</i>
CHE -886	Synthesis of Sr Incorporated Tin Oxide (SnO₂) for Improved Electrocatalytic Applications <i>Aamir, M. & Azad, S. (Mirpur University of Science & Technology, Mirpur, AJK)</i>
CHE -900	1,3-Thiazoles: Crystal Structures, Hirshfeld Surface Analysis, and Density Functional Theory Calculations

	Aziz, H. & Saeed, A. (<i>Rawalpindi Women University, Rawalpindi, Quaid-i-Azam University Islamabad</i>)
CHE -976	Green Synthesis of ZnO, Mg doped ZnO and Cu-Mg co doped ZnO Nanoparticles Using Leaves Extract of <i>Polyalthia longifolia</i>.
	Khatoon, I., Bano, Z. & Iqbal, T. (<i>Rawalpindi Women University, Rawalpindi</i>)
CHE -1171	Synthesis and Spectral Characterization of 3-(6'-Hydroxy-naphthyl)-1-(3''-Iodo-phenyl)-2-propen-1-one and its Pyrazoline and Benzodiazepine Derivatives
	Abid, A., Mehru, F. & Rasheed, L. (<i>Rawalpindi Women University, Rawalpindi</i>)
CHE -978	Electrochemical Performance of Carbon Modified LiNiPO₄ as Li-Ion Battery Cathode: A Combined Experimental and Theoretical Study
	Nasir, M. H., Janjua, N. K. & Santoki, J. (<i>Quaid-i-Azam University, Islamabad, Karlsruhe Institute of Technology, Eggenstein- Leopoldshafen, Germany</i>)
CHM -1178	Synthesis and Photocatalytic Performance of Modified Copper Sulfide Nanoparticles for Efficient Environmental Applications
	Ain, N. U. & Safdar, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
CHM-979	CuO/GO Nanocomposite Synthesis and Characterization: A Systematic Approach
	Khan, S. & Ahmad, B. (<i>Rawalpindi women University, Rawalpindi</i>)
CHM-980	Green Synthesis of Bioplastic from Bio-waste Materials: Exploring the Roles of Citric Acid and Jojoba Oil
	Zahid, H., Abbas, N. & Khan, N. (<i>Rawalpindi women University, Rawalpindi</i>)

Statistics

Venue: Corridor, 2nd Floor, Sheikh Rasheed
Block

Poster Judges	
Dr. Zameer	Associate Professor NUST, Islamabad
Dr. Sajid Ali	Associate Professor Quaid-i-Azam University Islamabad

Poster ID	Poster Presentations Titles
STAT-1383	Earthquake Analysis of The Hindukush Range by Using Statistical Methods
	Zaka, A., & Mehmood, T. (<i>National University of Sciences & Technology, Islamabad</i>)
STAT-1394	Intel Image Classification using Deep Learning Algorithms
	Khan, A. Z., & Mehmood, T. (<i>National University of Sciences & Technology, Islamabad</i>)
STAT-1341	Penalized Regression Modelling of Socio-Demographic Variables of Punjab-Pakistan Using MICS Data (2017–18)
	Akhtar, D. (<i>University of the Punjab, Lahore</i>)
STAT-1294	A Class of Generalized Ratio and Regression Estimators of Population Mean in The Presence Of Non-Response Under Single- And Two-Phase Sampling
	Azmat, A. (<i>Government College University Lahore</i>)
STAT-1346	Calibrated Estimators in Randomized Response Designs for Shrinkage of Response Bias
	Sajid, A., & Khan, M. (<i>PMAS Arid Agriculture University, Rawalpindi</i>)

Zoology

Venue: Main Entrance, Sheikh Rasheed Block

Poster Judges	
Prof. Dr. Muhammad Jawad	<i>National University of Medical Sciences, Islamabad</i>
Dr. Tariq Mahmood	<i>PMAS-Arid Agriculture University, Rawalpindi</i>
Dr. Farkhanda Asad	<i>Government College University, Faisalabad</i>

Poster ID	Title
ZOO-843	Therapeutic Applications of Animals in Kallar Kahar Community <i>Mulazim, S., Ashraf, S. & Aslam, R. (University of Lahore, Sargodha Campus)</i>
ZOO-840	Ethnomedicinal Study of Traditional Knowledge about Phytozoorecepis by Local Community of District Bhakkar <i>Gull, A., Ashraf, S., Khalil, S., Aslam, R., Mulazim, S. & Zafar, R. (University of Lahore, Sargodha Campus)</i>
ZOO-685	Morphometric Analysis of <i>Apis cerana</i> Populations in The Northeastern Himalayan Region <i>Afzal, I. & Qamer, S. (Rawalpindi Women University, Rawalpindi)</i>
ZOO-1357	Skin Type as Main Predisposition Factor to Acne, Evaluation OF Acne Severity and Psychosocial Challenges Faced by Acne Patients: A Cross Sectional Study <i>Quratulain, & Khan, M. (COMSATS University Islamabad)</i>

ZOO-1039	Physicochemical Analysis of Drinking Water used for Poultry Farms in Northern, Central and Southern Punjab, Pakistan
	Shamas, S., Siraj, L., Nisa, B., Abrar, H., Fareed, G., Sardar, R., Ali, A. & Naeem, M. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1295	Evaluation of Anemia Prevalence and Its Impact on Pregnant Women in Gilgit District, Gilgit-Baltistan
	Tehmina., Aslam, U. & Ejaz, R.: (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1275	DNA Binding Studies, Molecular Docking and Biological Activities of Drug like Molecules
	Maqbool, U. & Baig, D. R. M. (<i>PMAS Arid Agriculture University, Rawalpindi</i>).
ZOO-1271	Determination of Risk Factors of Retinopathy in Diabetic Patients
	Aslam, U., Tehmina., Razzaq, B., Qamer, H., Khan, Y., Ali, S., Zulfiqar, N., Anwar, H., Fatima, K., Khan, Y., Shamas, S. & Ejaz, R. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1248	Effect of Storage on <i>Apis mellifera</i> Honey
	Tariq, H., Batool, S., Ayaz, K. B. E., Khalid, U. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1239	Characterization of Isolates from Honeybee Colonies Showing European Foul Brood Disease Symptoms
	Nisa, B., Bano, H. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1203	Some Morphometric Studies of Two Giant and Titan Barnacle Species from Rocky Shore of Karachi, Pakistan
	Nasir, A. & Saher, N. U. (<i>University of Karachi, Karachi</i>)

ZOO-1150	<p>Study of Seasonal Variations of Taunsa Barrage and Muzaffar Garh Canal for Physicochemical Analysis and Heavy Metal Detection</p> <p>Sarwar, H., Munir, A., Ambreen, F., Ejaz, R., Shamas, S. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)</p>
ZOO-1042	<p>Evolution of Heavy Metals in Mud and Water Of Khanpur and Rawal Dams</p> <p>Arif, A., Arif, M., Anwar, H., Siraj, Shamas, S. & Ambreen, F. (<i>Rawalpindi Women University, Rawalpindi</i>)</p>
ZOO-1299	<p>Assessment and Prevalence of Diabetes Mellitus in District Gilgit, Gilgit Baltistan</p> <p>Batool, S., Tehmina. & Ejaz, R. (<i>Rawalpindi Women University, Rawalpindi</i>)</p>
ZOO-1016	<p>Biosystematics of Grasshoppers Family Pyrgomorphidae (Orthoptera) with Special Reference to Evolution of Male Genitalia</p> <p>Zahid, S., Mehmood, S. A., Muhammad, K. & Song, H. (<i>Hazara University, Mansehra</i>)</p>
ZOO-1372	<p>Antidiabetic Assay and Drug-DNA Interactions Studies of Heterocyclic Compounds Using Dry and Wet Lab Approaches</p> <p>Farooq, H., Baig, R. M. & Kalsoom, S. (<i>PMAS Arid Agriculture University Rawalpindi</i>)</p>