

Science Conference Program 2025

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. Bushra Mirza (PoP, TI)</i> <i>Vice Chancellor, Rawalpindi Women University, Rawalpindi</i>
09:50 am -10:10 am	Keynote Address: <i>Prof. Dr. Norma Alias, Department of Mathematical Sciences, UTM, Malaysia</i>
10:10 am - 10:30 am	Keynote Address: <i>Prof. Dr. Axel Klein, University of Cologne, Department of Chemistry, Institute for Inorganic Chemistry, Cologne, Germany</i>
10:30am-10:40am	Keynote Address: Prof. Dr. Muhammad Akram Sheikh, DG, PASTIC Islamabad
10:40 am - 10:50 am	Remarks by Guest of Honor: <i>Prof. Dr. Hassan Sher, Vice Chancellor, University of Swat, Khyber Pakhtunkhwa</i>
10:50 am - 11:00 am	Remarks by Chief Guest:
11:00 am – 11:05 am	Shields Distribution to the Chief Guest & Keynote Speakers by: <i>Prof. Dr. Bushra Mirza (PoP, TI)</i> <i>Vice Chancellor, Rawalpindi Women University, Rawalpindi</i>
11:05 am – 11:10 am	Group Photo
11:10 am – 11:30 am	Tea Break
11:30 am - 01:30 pm	Morning Parallel Sessions
	Session IA: Botany (Fatima Hall)
	Session IB: Botany (Room 281 , 1 st Floor, Sheikh Rasheed Block)
	Session IA: Chemistry (CS-273 , 1 st Floor, Sheikh Rasheed Block)
	Session IB: Chemistry (Room 274 , 1 st Floor, Sheikh Rasheed Block)
	Session IA: CS (CS-293 , 2 nd Floor, Sheikh Rasheed Block)
	Session IB: CS (CS-307 , 3 rd Floor, Sheikh Rasheed Block)
	Session IA: IT (Room 294 , 2 nd Floor, Sheikh Rasheed Block)

Revamped Scientific Outlook of 21st Century (RSO-21st Century, 2025)

	Session IB: IT (Room 296 , 2 nd Floor, Sheikh Rasheed Block)
	Session IA: Mathematics (CS-286 , 2 nd Floor, Sheikh Rasheed Block)
	Session IB: Mathematics (Webinar Room , Sheikh Rasheed Block)
	Session IA: Stat (Room 300 , 3 rd Floor, Sheikh Rasheed Block)
	Session IA: Zoology (Oric Conference room)
	Session IB: Zoology (QEC conference room)
11:30 am - 12:30 pm	Posters Display
	Botany (<i>Fatima Hall back side</i>)
	Chemistry (<i>Corridor, 2nd Floor, Sheikh Rasheed Block</i>)
	Zoology (<i>Corridor, A Block</i>)
01:30 pm - 02:30 pm	Lunch & Namaz Break
02:30 pm - 04:30 pm	Evening Parallel Sessions
	Session IIA: Botany (Fatima Hall)
	Session IIB: Botany (Room 281 , 1 st Floor, Sheikh Rasheed Block)
	Session IIA: Chemistry (Room 274 , 1 st Floor, Sheikh Rasheed Block)
	Session IIA: CS (CS-293 , 2 nd Floor, Sheikh Rasheed Block)
	Session IIA: IT (Room 294 , 2 nd Floor, Sheikh Rasheed Block)
	Session IIB: IT (Room 296 , 2 nd Floor, Sheikh Rasheed Block)
	Session IIA: Mathematics (CS-286 , 2 nd Floor, Sheikh Rasheed Block)
	Session IIB: Mathematics (Webinar Room , Sheikh Rasheed Block)
	Session IIA: Statistics (Room 300 , 3 rd Floor, Sheikh Rasheed Block)
	Session IIA: Zoology (ORIC Conference room)
	Session IIB: Zoology (QEC conference room)
04:30 pm - 05:00 pm	Panel Discussion
	Prof. Dr. Muhammad Mushtaq (T.I.) (Botany) <i>QAU, Islamabad</i>
	Dr. Abdul Hameed (Chemistry) <i>PAEC, Islamabad</i>
	Prof. Dr. Sumaira Kausar (Computer science) <i>Bahria University</i>
	Dr. Muhammad Adnan (Information Technology) <i>Air University, Islamabad</i>
	Dr. Farkhanda Afzal (Mathematics) <i>MCS-NUST, Islamabad</i>

Revamped Scientific Outlook of 21st Century (RSO-21st Century, 2025)

	Prof. Dr. Muhammad Aslam Asadi (Statistics) <i>BZU, Multan</i>
	Prof. Dr. Naeem Tariq Narejo (Zoology) <i>University of Baltistan, Skardu</i>
05:00 pm - 06:00 pm	Concluding Ceremony
05:00 pm – 05:15 pm	Concluding Remarks by Chief Guest <i>Prof. Dr. Muhammad Akmal</i> <i>Chairman, Pakistan Science Foundation, Islamabad</i>
05:15 pm - 05:25 pm	Concluding Remarks by Chief Organizer: <i>Prof. Dr. Bushra Mirza (PoP, TI)</i> <i>Vice Chancellor, Rawalpindi Women University, Rawalpindi</i>
05:25 pm - 05:40 pm	Shield & Certificate distribution
05:40 pm - 06:00 pm	Tea for distinguished guests

Session IA

Botany

Venue: Fatima Hall
Time: 11:30 am – 01:30 pm
Themes: Sustainable Agriculture and Environmental Stewardship
Chair 1: Professor Dr. Abdul Samad Mumtaz (<i>Quaid-I-Azam University Islamabad, Pakistan</i>)
Chair 2: Dr. Faiza Munir ASAB, NUST

Time	Keynote Talk
11:30 am- 11:50 am	Transforming Agricultural Education for Resilient Food Systems: Integrating Agroecology, Innovation, and Community Empowerment Prof. Dr. Erdogan E Hakki (<i>University of Selcuk, Konya Campus Türkiye</i>)
11:51 am- 12:11 pm	Diversity of Wild Food Plants in Malakand and Hazara Divisions: Implications for Food Security and Biodiversity Conservation Prof. Dr. Hassan Sher (<i>University of SWAT</i>)

Abstract ID & Time	Oral Presentations
BOT-1592 (12:12 pm- 12:19 pm)	Phytochemical Profiling and Pharmacological Effect of <i>Monothea buxifolia</i>: Validating Its Biological Potential Bhatti, A.Z.A. (<i>NUMS, Rawalpindi</i>)
BOT-1638 (12:20 pm 12:27 pm)	Green Nano-Priming: <i>Tribulus terrestris</i> - Synthesized Nanoparticles Improve Salt Tolerance in Wheat Muzaffar, A. (<i>Rawalpindi Women University</i>)

BOT-1928 12:28 pm- 12:35 pm	BOT-1928 Biogenic synthesis of Zinc Oxide Nanoparticles using <i>Thymus linearis</i> Extract, Characterization and Evaluation of Different Biological Activities Zarshan, F. (<i>Bacha Khan University, Charsadda</i>)
BOT-1971 (12:36 pm- 12:43 pm)	Dhamasa Under the Lens: Correcting the Botanical Identity of <i>Fagonia</i> Species in Pakistan Shah, S.A. (<i>National University of Medical Sciences, Rawalpindi, Pakistan.</i>)
BOT-2006 (12:50 pm- 12:57 pm)	Unraveling the Genetic Architecture of the Stay-Green Trait in Bread Wheat Latif, S. (<i>Quaid-i-Azam University, Islamabad, Pakistan</i>)
12:58 pm- 01: 30 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 No 281 (1st Floor, Sheikh Rasheed Block) Time: 11:30 am - 01:30 pm
Themes: Microbiology, Plant protection & Pest Control and Biotechnology
Chair 1: Prof. Dr. Muhammad Asad Ghufra <i>International Islamic University, Islamabad</i>
Chair 2: Dr. Noshin Ilyas <i>PMAS Arid Agriculture University, Rawalpindi</i>

Time	Keynote Talks
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11:30 am- 11:50 am	Recent Developments in Omics Techniques for Improving Plant Abiotic Stress Using Microbes
	Professor Dr. Muhammad Naseem <i>(University of Wurzburg, Germany)</i>
11:51 am- 12:11 pm)	Novel Plant Genetic Resources for Crop Improvement and Climate Resilience
	Tariq Mahmood (<i>Quaid-i-Azam University, Islamabad, Pakistan</i>)

Abstract ID & Time	Oral Presentations
BOT-1793 12:11 pm- 12:18 pm	Microplastic Degradation by Using Bacterial Strains and Its Impact on Plant Growth
	Quratulain (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-2071 12:25 am- 12:32 am	Harnessing Ligninolytic White Rot Fungi for Sustainable Remediation of Heavy Metals
	Mehmood, N. (<i>Southern Federal University, Rostov-on-Don, Russia</i>)
BOT-2072 12:33 am- 12:40 am	Root-Knot Nematode the Hidden and Mysterious Plant Pathogen
	Mehak, A. (<i>PMAS-Arid Agriculture University Rawalpindi</i>)
BOT-1588 12:47 pm- 12:54 pm	Phytosynthesis of NiONPs Using <i>Anaphalis margaritacea</i> and its In-vitro Pharmacological Potential
	Ansar, H. (<i>Rawalpindi Women University, Rawalpindi</i>)

BOT-1604 12:55 pm- 01:01 pm	<i>Rhamnus virgata</i> mediated Crude Extracts and their Biological Potential
	Mobeen, L. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1964 01:08 pm- 01:15 pm	Exploring Pharmacological Applications of Phytofabricated Zinc Oxide Nanoparticles
	Saeed, F. (<i>Rawalpindi Women University, Rawalpindi</i>)
01:15 pm - 01:30 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: 02: 30 pm - 04:30 pm
Themes: Unlocking the Potential of Plant-Based Medicines
Chair 1: Prof. Dr. Audil Rasheed
(<i>University of Gujrat, Gujrat</i>)
Chair 2: Dr. Rukhsanda Aziz
(<i>International Islamic University, Islamabad</i>)

Time	Keynote Talks
02:30 pm- 02:50 pm	Hemp — A Botanical Blessing or Societal Menace? Unraveling Its Potential for Sustainable Development in Pakistan
	<i>Prof. Dr. Rahmatullah Qureshi</i> (<i>PMAS-Arid Agriculture University, Rawalpindi, Pakistan</i>)

Abstract ID & Time	Oral Presentations
BOT-1577 02:51 pm- 03:11 pm	Phytofabrication of Multifunctional Iron Oxide Nanoparticles their Bio-Potential Kazmi, R. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1589 03:12 pm - 03:19 pm	Deciphering Ethno-Pharmacological Potentials of <i>Astragalus anisacanthus</i> Leaves extracts Zubaria Bibi¹ Bibi, Z (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1049 03:20 pm- 03:27 pm	Phytochemical Constituents and Bioactive Potential of <i>Grewia optiva</i>'s Fruits and <i>Justicia adhatoda</i>'s Flowers Ateeq, A. (<i>Quaid-i-Azam University, Islamabad</i>)
BOT-1736 03:28 pm- 03:35 pm	<i>In Silico</i> Analysis of Purified Bioactive Compounds of Selected Solanaceous Species Against Cancer Najaf, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1823 03:36 pm- 03:43 pm	Phytochemicals and Pharmacological Activities of <i>Trifolium repens L.</i> Extract Khaliq, S. (<i>Rawalpindi Women University</i>)
BOT-1823 03:44 pm- 03:51 pm)	Eco-Friendly Synthesis of Iron Oxide Nanoparticles using <i>Opuntia dillenii</i>, Characterization and Bioactivities Imtiaz, M. (<i>Bacha Khan University, Charsadda</i>)
BOT-1405 03:58 pm- 04:05 pm	Toxicity Assessment of <i>Nannorrhops ritchiana</i> Extract <i>In vitro</i> and Phytochemical Analysis Fazal Dad, N. (<i>Rawalpindi Women University, Rawalpindi</i>)
04:06 pm - 04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIB

Botany

Venue: Room No 281 (1st Floor, Sheikh Rasheed Block)
Time: 2:30 pm - 04:30 pm
Themes: Biodiversity and conservation, Green Energy and AI in Botany
Chair 1: Prof. Dr. Zafar Iqbal
<i>(Hazara University, Mansehra)</i>
Chair 2: Dr. Asma Jabeen
<i>Fatima Jinnah Women University, Rawalpindi</i>

Time	Keynote Talks
02:30 pm- 02:50 pm	Assessing Forest Cover Dynamics in the State of Azad Jammu and Kashmir: A Spatio-Temporal Analysis from 1990 to 2020 using Remote Sensing and GIS. Professor Dr. Hamayun Shaheen <i>(University of Azad Jammu and Kashmir Muzaffarabad Pakistan)</i>
02:51 pm- 03:11 pm	AI-Powered Nanoinformatics in Plant Biotechnology: Integrating Artificial Neural Networks and Nanotechnology for the Next Scientific Frontier Professor Dr. Muhammad Naveed, <i>(University of Central Punjab, Lahore)</i>

Abstract ID & Time	Oral Presentations
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BOT-1250 03:11 pm- 03:18 pm	Unraveling the Potential of Bioinspired Zn-Fe₂O₃ Nanocomposite on <i>Sorghum bicolor</i>
	Umme-Habiba (<i>PMAS Arid Agriculture University, Rawalpindi.</i>)
BOT-1648 03:19 pm- 03:26 pm	Influence of <i>Bombax ceiba</i> L. based Copper Nanoparticles on Wheat (<i>Triticum aestivum</i> L.) Growth Parameters
	Kousar, F. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1622 03:27 pm- 03:33 pm	Unveiling the Potential of Thorn Apple Oil Seeds for Synthesizing Eco-friendly Fuels
	Noor-E-Seher (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1784 03:34 pm- 03:41 pm	Valorization of Waste Cooking Oil into High-Yield Biodiesel via Potassium Hydroxide- Catalyzed Transesterification
	Khizar, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1785 03:42 pm- 03:49 pm	Eco-Friendly Biodiesel Production from Non-Edible Oil Seeds of <i>Acacia modesta</i>
	Siddiqa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1870 03:56 pm- 04:03 pm	Sustainable Production of Bioenergy From Novel Non-Edible Seed Oil (<i>Prunus Cerasoides</i>) Using Bimetallic Impregnated Montmorillonite Clay Catalyst
	Ajmal, D. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-1780 4:04 pm-	Antioxidant and Phytochemical Analysis of <i>Clematis montana</i> Leaves Extract

4:11 pm	Parveen, I. (<i>Rawalpindi Women University, Rawalpindi</i>)
BOT-2061 4:11 pm- 4:18 pm	Salicylic Acid and Moringa Seed Extract Mitigate Chromium Induced Stress in Wheat By Restricting its Uptake and Improve Phytochemical Constituents
	Farooq, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
04:19 pm - 04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IA

Chemistry

Venue: Room # 273, 1st Floor, Sheikh Rasheed Block
Time: 11:30 am - 01:30 pm
Themes: Functional Materials & Polymers/ Smart Materials for Energy Solutions/ Bioorganic & Medicinal Chemistry/Green and Clean Technologies
Chair : Prof. Dr. Muhammad Naveed Umar
<i>University of Malakand</i>

Time	Keynote Talks
11:30 am- 11:45 am	Inorganic Hybrid Materials for Hydrogen Production Prof. Dr. Manzar Sohail (<i>National University of Science & Technology, Islamabad</i>)
11:45 am- 12:00 pm	Application of multivariate Chemometric techniques on spectroscopic data obtained from the analysis of food, plant and fuel samples Prof. Dr. Fazal Mabood, (<i>University of Swat, Pakistan</i>)
12:00 pm - 12:15 pm	Chemical transformations of 1,2,4-triazine derivatives Prof. Dr. Mariusz Mojzych (<i>Collegium Medicum, The Mazovian Academy in Plock, Poland</i>)

Abstract ID & Time	Oral Presentations
CHE-1526 (12:20 pm - 12:30 pm)	DFT and Multiconfigurational (CASSCF) Analysis of Electronic Structure and Bonding in Actinide Complexes

	Parveen, R. (<i>Quaid-i-Azam University, Islamabad</i>)
CHE-2023 (12:30 pm - 12:40 pm)	Selective Butyryl-cholinesterase Inhibitors from Biotransformation of Dihydrotestosterone
	Zafar, S., & Choudhary, M. I. (<i>Institute of Chemical Sciences, University of Peshawar, Peshawar</i>)
CHE-1970 (12:40 pm - 12:50 pm)	Synthesis and Characterization of Ni-Bi₂O₃ Nanoparticles for Photocatalytic Wastewater Treatment
	Khan, Y., & Shah, S. M. (<i>Chinese Academy of Sciences, Dalian, China, Quaid-i-Azam University</i>)
CHE-1814 (12:50 pm - 01:00 pm)	Novel Antibacterial Activity of Nitro Group in Small-Molecule Sulphonamides against Antibiotic Resistant Uropathogenic <i>E. coli</i>
	Ashraf, F., Nawaz, I., Mirza, S., Chotana, G. A., & Mehmood, T. (<i>Lahore University of Management Sciences (LUMS), Shalamar Hospital Lahore</i>)
CHE-1988 01:00 pm - 01:10 pm	Rare Earth Nd-doped NiFe₂O₄ and its Composite with CNTs to Tune the Photocatalytic Activity
	Alzahrani, F. M. A., Irshad, A., & Anwar, A. (<i>Emerson University Multan, Pakistan</i>)
CHE-2042 (01:10 pm - 01:20 pm)	Modified Hydrometallurgical Extraction of Copper from Low-Grade Ore Using Acid Leaching and Solvent Extraction
	Shoukat, N., & Fatima, A. (<i>PMAS Arid Agriculture University Rawalpindi</i>)
01:20 pm - 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair</i> Shields and Certificates Distribution

Session IB

Chemistry

Venue: Room # 274, 1st Floor, Sheikh Rasheed Block
Time: 11:30 am - 01:30 pm
Themes: Functional Materials & Polymers/ Smart Materials for Energy Solutions/ Bioorganic & Medicinal Chemistry/Green and Clean Technologies
Chair : Prof. Dr. Muhammad Zahoor
<i>University of Malakand</i>

Time	Keynote Talks
11:30 am- 11:45 am	Antidiabetic Potential of Omani Medical Plants: A Case Study of <i>Haplophyllum tuberculatum</i> (Forssk.) A. Juss. by <i>In vitro</i> and In Silico Approaches Dr. Najeeb Ur Rehman (<i>Natural & Medical Sciences Research Center, University of Nizwa, Oman</i>)
11:45 am- 12:00 pm	Metal–Organic Frameworks as Versatile Platforms for Modern Technologies Prof. Dr. Eduardo Schott (<i>Pontificia Universidad Católica de Chile</i>)
12:00 pm - 12:15 pm	Transition-Metal-Free C(sp²)-H Functionalization of Biologically Relevant Structures via Sustainable Methods Dr. Jamal Rafique Khan (<i>Federal University of Mato Grosso do Sul – UFMS</i>)

Abstract ID & Time	Oral Presentations
CHE-1911	Converting Waste to Use: Nanocellulose Extracted from Waste Cardboard

(12:20 pm - 12:30 pm)	Sultan, Z., Liaqat, F., Rasheed, F., & Fatima' H. (<i>Quaid-i-Azam University Islamabad</i>)
CHE-1788 (12:30 pm - 12:40 pm)	Iron Doped Nickel Oxide Based Graphene Nanocomposites for Electrochemical Sensing of Biomolecules Rafique, M. S., & Naeem, H. (<i>Rawalpindi Women University,</i>
CHE-2012 (12:40 pm - 12:50 pm)	Transformative Trends in Food Science and Technology for Sustainable Nutrition Basharat, H., Ahmad, Z., Fatima, I., & Asghar, A. (<i>University of Wah, Rawalpindi Women University</i>)
CHE-2013 (12:50 pm - 01:00 pm)	Design, Synthesis, and Mechanistic Insights into the Antibacterial Activity of Alkylated Benzimidazoles Munir, M., Faiz, M., & Ashraf, S. (<i>Rawalpindi Women University</i>)
CHE-1615 (01:00 pm - 01:10 pm)	Catalytic and Photocatalytic Efficacy of Metal Sulfide Nanostructures and Their Environmental Applications Safdar, A., & Ain, N. (<i>Rawalpindi Women University</i>)
CHE-1948 (01:10 pm - 01:20 pm)	Innovative Catalytic Approaches for CO₂ Utilization: Green Fuels and Chemicals Production Fatima, M., Ahmad, Z., Ahmad, F., & Asghar, F. (<i>University of Wah, Rawalpindi Women University</i>)
CHE-1733 (01:20 pm- 01:30 pm)	Next-Generation Antimicrobials: Silver–Nanodiamond Composites as a Breakthrough Against BAMR Iqbal, S., Rafique, M. S., & Iqbal, N. (<i>University of the Punjab, Lahore</i>)

	Q & A Session Session Concluding Remarks by <i>Session Chair</i> Shields and Certificates Distribution
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Session IIA Chemistry

Venue: Room # 273, 1st Floor, Sheikh Rasheed Block Time: 02:30 pm - 04:30 pm
Themes: Chemical Engineering & Sensors, Environmental Challenges & Solutions, Chemistry in the Digital Age, Water Treatment & Conservation
Chair 1: Prof. Dr. Zia-ur-Rehman <i>Quaid-E-Azam University, Islamabad</i>
Chair 2: Dr Muhammad Salman <i>University of the Punjab, Lahore</i>

Time	Keynote Talk
02:30 pm- 02:45 pm	Design, Synthesis and Structural Studies of some New Azoles as Potential Biological Scaffolds Dr. Muhammad Naeem Ahmed (<i>The University of Azad Jammu and Kashmir Muzaffarabad</i>)
02:45 pm- 03:00 pm	The Potential of Metal-Based Compounds in Addressing Drug Resistance Dr. Sajjad Hussain Sumrra (<i>University of Gujrat</i>)
3:00 pm- 3:15 pm	Natural Products and Natural Products-Inspired in Cardiovascular Research Dr. Jalifah Latip (<i>Universiti Kebangsaan Malaysia</i>)

Abstract ID & Time	Oral Presentations
CHE-2070 (3:15 pm-3:25 pm)	New Picolylamine Template Organo-Catalyst For Enantioselective Aldol Reactions Umar, M. N. (<i>Department of Chemistry, University of Malakand</i>)
CHE-1767 (3:25 pm-3:35 pm)	Targeting Neuroinflammation: Novel Triazolo-thiadiazine Hybrids of Deferasirox for Alzheimer's Disease Treatment Shakir, S. A., Rashid, U., Marryum, Fatima, N., Ejaz, S. A., Fayyaz, A., Zahid Ullah, M., Saeed, A., Khan, A. & Mumtaz, A. (<i>COMSATS University Islamabad, Abbottabad Campus</i>)
CHE-1632 (3:35 pm-3:45 pm)	Synthesis, Photophysical, Electrochemical, and DFT Studies of Chalcones for Photovoltaic Applications Khan, M. N. (<i>Lahore University of Management Sciences</i>)
CHE-1727 (3:45 pm-4:00 pm)	Amino-Functionalized Graphene Oxide Immobilized with Dansyl Chloride as a Sensitive Fluorescent Sensor for Mercury (II) Detection in Water Muhammad, I., & Ren, T. Z. (<i>University of Xinjiang, Urumqi China</i>)
CHE-1947 (4:00 pm-4:10 pm)	Cr (III) Nanoparticles synthesis using <i>Adiantum capillus-veneris</i> extract and its Antioxidant and Antidiabetic effects Zahoor, M. (<i>University of Malakand</i>)
CHE-1845 (4:10 pm-4:20 pm)	Fabrication of Au-decorated V2O5 Based Sensor for Ultra Trace Level Detection of Ammonia in an Environment Resembling Human Exhaled Breath

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	Malook, K., Khan, H., Shah, M., Haque, I. U., & Ahmad, A. (<i>Centralized Resource Laboratory, University of Peshawar</i>)
4:20 pm- 4:30 pm	Q & A Session Session Concluding Remarks by Session <i>Chairs</i> Shields and Certificates Distribution

Session IA Computer Science

Session I A: Room 293 (Sheikh Rasheed Block) Time: 11:30 am - 01:30 pm
Chair: Prof. Dr. Mudassar Raza <i>Professor, Namal University Mianwali, Pakistan</i>

Time	Keynote Talks
11:30 am- 11:45 am	AI for Social Good in Healthcare: Supporting Doctors and Patients towards Disease Diagnostics Prof. Dr. Mudassar Raza.. (<i>Namal University Mianwali, Pakistan</i>)
11:45 am- 12: 00 pm	Fostering Innovation: From Final-Year Projects to Patents and Startups Dr. Shariq Hussain.
12:00 pm- 12: 15 pm	Unfolding the Metaverse: Opportunities and Challenges Ahead Dr. Mamoon Humayun. (<i>University of Roehampton, London</i>)

Time	Oral Presentations
CS-1621 12:15 pm - 12:22 pm	Digital Twin Technology for Advanced Medical Simulation: Applications, Methods, and Challenges Pawan Akmal, Zoya Abbasi. (<i>Rawalpindi Women University</i>)
CS-2026 12:22 pm - 12:29 pm	Material Identification Using Signal Processing Techniques for Waste Management Nouman Mukhtar. (<i>Namal University, Mianwali</i>)
CS-1843	Hierarchical UAV Behavior Classification using Deep Tabular Learning with TabNet

12:29 pm - 12:36 pm	Muhammad Imran Khan. (<i>University of Wah, Wah Cantt</i>)
CS-1913 12:36 pm - 12:43 pm	An Enhance Diabetic Retinopathy Detection Model Using Quantum Machine Learning Anjum Abbas. (<i>Federal Directorate of Education Islamabad</i>)
CS-1917 12:43 pm - 12:50 pm	AgriVision: AI-Driven Crop Disease Detection, Agri-Marketplace Integration, and Drone-Based Spray Services Syed Hassaan Ali Shah, Muhammad Uzair, Abu Bakar, Saad Jamil. (<i>Riphah International University</i>)
CS-1930 12:57 pm - 01:04 pm	Diabetic Retinopathy Detection on the Early Onset Iram Shahzadi. (<i>Federal Urdu University Islamabad</i>)
01:04 pm - 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Computer Science Session IB

Session I B: Room 307 (Sheikh Rasheed Block) Time: 11:30 am - 01:30 pm
Chair: Dr. Mussarat <i>Associate Professor, COMSAT University Islamabad Wah Campus</i>

Time	Keynote Talks
11:30 am- 11:45 am	Shaping the Future of Software Engineering Education in the Age of Generative AI Dr. Nasir Mehmood Minhas

11:45 am- 12: 00 pm	Integrating Agile Practices in Global Software Development for Secure Software Engineering: Addressing Current Challenges and Future Directions. Dr. Yasir Hafiz.
12:00 pm- 12: 15 pm	A User-Centric Requirements Elicitation Framework for Global Software Development Based on Personality Traits Dr. Aqeel Iqbal.(<i>Al-Buraimi University College (BUC), Sultanate of Oman</i>)

Time	Oral Presentations
CS-1771 12:15 pm - 12:22 pm	Parasite Malaria Detection and Classification Using Ensembled Neural Network Umme Habiba. (<i>University of Education</i>)
CS-1545 12:22 pm - 12:29 pm	Large Language Models for Early Crop Disease Detection: Decoding RNA-Seq Linguistic Signals Shehr Bano, Muzamil Ahmed, and Ahmed Salim. (<i>Namal University, Mianwali</i>)
CS-1792 12:29 pm - 12:36 pm	Data-Efficient Transformers for Vision: Enhancing Accuracy Under Resource Limitations Aiman Sumaya, (<i>COMSATS University Islamabad, Wah Campus, Pakistan</i>)
CS-2030 12:36 pm - 12:43 pm	Comparative Evaluation of Random Forest, XGBoost, Regression, and Classification Techniques in Forecasting Close Prices: A Case Study of Three PSX-Listed Companies Kashaf Gull. (<i>Namal university Mianwali</i>)
CS-1926 12:43 pm - 12:50 pm	Visual Aid For Blind Hammad Asad. (<i>Prime Minister's office</i>)
CS-1957 12:57 pm - 01:04 pm	Enhanced Hospital Emergency Response with Post Quantum Cryptography. Aqsa Fareed, Kinza Asif, Raja Zaka Ullah Chib. (<i>Air University Kamra, Pakistan</i>)

01:04 pm - 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution
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Session IIA Computer Science

Session II A: Room 293 (Sheikh Rasheed Block) Time: 02:30 pm - 04:30 pm
Themes:
Chair: Dr. Asim Munir <i>Assistant Professor, Islamic international university, Islamabad</i>

Time	Oral Presentations
CS-2029 02:30 pm - 02:37 pm	Enhancing Digital Inclusion through Accessible UI/UX Design Rayan Badar_. (<i>Namal University Mianwali</i>)
CS-2031 02:37 pm - 02:44 pm	Smart Classification of Himalayan Pink Salt Using Machine Learning Ahmed Salim, Ejaz Ahmed, Muhammad Osama, Sana Azeem, Hassan Ali. (<i>Namal University Mianwali</i>)
CS-2032 02:44 pm - 02:51 pm	AI-Enabled Mobile Framework for Sustainable E-Waste Management in Developing Countries Sabeeh Fatima. (<i>Namal University Mianwali</i>)
CS-1833 02:51 pm - 02:58 pm	Contrastive Learning for Hybrid Fault and Intrusion Detection in UAV Cyber-Physical Systems Muhammad Amir Shahzad, Muhammad Imran Khan. (<i>University of Wah, Wah Cantt</i>)

CS-1834 02:58 pm - 03:05 pm	Hierarchical UAV Behavior Classification using Deep Tabular Learning with TabNet Muhammad Imran Khan, Muhammad Amir Shahzad. (<i>University of Wah</i>)
CS-1842 03:05 pm - 03:12 pm	Advanced Versatile Humanoid Robot for Intelligent Human Interaction and Safety Automation Syed Danish Ahmad, (<i>National Science And Technology Park</i>)
CS-1843 03:12 pm - 03:19 pm	Hierarchical UAV Behavior Classification using Deep Tabular Learning with TabNet Muhammad Imran Khan. (<i>University of Wah, Wah Cantt</i>)
CS-1844 03:19 pm - 03:26 pm	Harnessing Quantum Convolutional Neural Networks for Detection and Classification of Astrophysical Objects Ahmad Rauf. (<i>University of Wah, Pakistan</i>)
CS-1882 03:26 pm - 03:33 pm	Skin Cancer Classification Using Transformer with Incremental Learning Ibtisam Rauf. (<i>Muslim Youth University, Islamabad</i>)
CS-1908 03:33 pm - 03:40 pm	Anomaly Detection in Surveillance Videos using Mobile Friendly Vision Transformer Neural Network Zarka Yousaf . (<i>COMSATS University Islamabad, Wah Campus</i>)
CS-2024 03:40 pm - 03:47 pm	Eye-Blink Assistive Communication System for Motor-Impaired Users Muhammad Osama. (<i>Namal University Mianwali</i>)
CS-2027 03:47 pm - 03:54 pm	AI-Enabled Micro-Expression Analysis for Early Identification of Domestic Violence in Healthcare Contexts Hadia Yasir. (<i>Namal University Mianwali</i>)
CS-2039	AI-Enhanced Key logger in MASM x86 Assembly for Sensitive Data Detection

03:54 pm - 04:01 pm	Muhammad Gulfam Afzal, Reeha Batool. (<i>Namal University Mianwali</i>)
CS-1970 04:01 pm - 04:08 pm	Quantum Inspired Distracted Driving Behaviour Detection Aini Saba. (<i>University of Wah, Wah Cant, Pakistan</i>)
04:08 pm - 04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IA

Information Technology

Venue: Room # 294, 2nd Floor, Sheikh Rasheed Block
Time: 11:30 am - 01:30 pm
Themes: Future of Information Technology and Its Applications in IoT (Internet of Things)
Chair 1: Prof. Dr. Saud Altaf
<i>National Skill University, Islamabad</i>
Chair 2: Dr. Muhammad Bilal
<i>Rawalpindi Women University, Rawalpindi</i>

Time	Keynote Talks
11:30 am - 11:40 am	Unraveling the Tangle of Disinformation: A Multimodal Approach for Fake News Identification on Social Media Dr. Junaid Rashid, Sejong University, Republic of Korea
11:41 am - 11:50 am	Deep Learning-Based Classification Systems: Methods, Applications, and Challenges Dr. Rizwan Ali NAQVI, Sejong University, Seoul, South Korea
11: 51 am- 12:00 pm	Edge AI: Machine Learning on IoT and Mobile Devices Dr. Hassan Dawood, Software Engineering Department (SED) University of Engineering and Technology Taxila, Pakistan

Abstract ID & Time	Oral Presentations
IT-1650 (12:01 pm - 12:15 pm)	VocaSync – Real-Time AI Voice Translation Maryam Faryal and Manahil Noor (<i>Rawalpindi Women University, Rawalpindi</i>)

IT-1651 (12:16 pm - 12:30 pm)	A Smart Traffic Monitoring System for Urban Pakistan
	Amna Bibi, Kinza, Mehwish (Rawalpindi Women University, Rawalpindi)
IT-1715 (12:31 pm - 12:45 pm)	An AI-Based Framework for Enhancing Mobile and Application Security
	Mehwish Kanwal, Gufran Bibi, Madiha Sattar (Rawalpindi Women University, Rawalpindi)
IT-1737 (12:46 pm - 01:00 pm)	SWARM-AI-Based Nano Défense System for Future Combat and Infrastructure Protection
	Mehak, Syeda Rida Masood, Safia Bibi (Rawalpindi Women University, Rawalpindi)
IT-1777 (01:01 pm - 01:15 pm)	Cybersecurity Threats in Mobile Apps: Challenges and Potential Solutions
	Sawaira Bibi, Umar Sultan (Rawalpindi Women University, Rawalpindi)
01:16 pm - 01:30 pm	Q & A Session
	Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IB Information Technology

Venue: Room # 296, 2nd Floor, Sheikh Rasheed Block
Time: 11:30 pm – 01:30 pm
Themes: Future of Information Technology and Its Applications in IoT (Internet of Things)
Chair 1: Prof. Dr. Saud Altaf
<i>National Skill University, Islamabad</i>
Chair 2: Dr. Muhammad Bilal
<i>Rawalpindi Women University, Rawalpindi</i>

Abstract ID & Time	Oral Presentations
IT-1803 (02:30 pm - 02:45 pm)	Challenges of Adoptees/Care-Experienced Persons in a Pakistani Islamic Socio-Legal Context Dr. Saima Eman, Mr. David S. P. Hillstedt-Asplund, Dr. Asma Seemi Malik, Ms. Mamoon Raza, Tooba Ijaz (<i>Lahore College for Women University</i>)
IT-1835 (02:46 pm - 03:00 pm)	Enhanced Hospital Emergency Response with Post Quantum Cryptography Aqsa Fareed, Kinza Asif, Raja Zaka Ullah Chib (<i>Air University Aerospace and Aviation Campus Kamra</i>)
IT-1846 (03:01 pm - 03:15 pm)	Machine Learning-Optimized synthesis of bismuth and cerium oxide Nanocomposites for Enhanced Photocatalytic Application Fareeha Waqar (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-2073 (03:16 pm - 03:30 pm)	IOT Based Smart Home System Kashmala Nawaz, Ayesha Eman, and Nimra Naz (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-1859 (03:31 pm - 03:45 pm)	Smart Rice Crop Disease Detection and Nutrients Monitoring System Rabbia Irfan, Noor Fatima, Fatima Batool (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-1878 (03:46 pm - 04:00 pm)	SafeBand: An Affordable IoT-Based Smart Safety Bracelet for Women's Protection Alishba, Amna Javed, Asfa Haider (<i>Rawalpindi Women University, Rawalpindi</i>)
04:01 pm - 04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIA Information Technology

Venue: Room # 294, 2nd Floor, Sheikh Rasheed Block
Time: 02:30 am - 04:30 pm
Themes: Future of Information Technology and Its Applications in IoT (Internet of Things)
Chair 1: Dr. Rehan Mehmood Yousaf
<i>PMAS- Arid Agriculture University Rawalpindi</i>
Chair 2: Dr. Adnan Mustafa Cheema
<i>Rawalpindi Women University, Rawalpindi</i>

Time	Keynote Talks
11:30 am - 11:40 am	Unraveling the Tangle of Disinformation: A Multimodal Approach for Fake News Identification on social media Dr. Junaid Rashid, Sejong University, Republic of Korea
11:41 am - 11: 50 am	Deep Learning-Based Classification Systems: Methods, Applications, and Challenges Dr. Rizwan Ali NAQVI, Sejong University, Seoul, South Korea
11:51am - 12:00 pm	Detection of Deepfakes using AI & Machine Learning Dr. Ali Javed Software Engineering Department (SED) University of Engineering and Technology Taxila, Pakistan

Abstract ID & Time	Oral Presentations
IT-1909	An AI-Powered System for Automated Duty Scheduling

Revamped Scientific Outlook of 21st Century (RSO-21st Century, 2025)

(12:01 pm - 12:15 pm)	Chashman Javed, Aimen Saqib, Aleeza Abid, Ayesha Javed, Laiba Saif (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-1910 (12:16 pm - 12:30 pm)	IoT-Based Vehicle Monitoring and Accident Alert System Rashida Parveen, Malaika Rehman (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-1969 (12:31 pm - 12:45 pm)	Smart Vision: An IoT-Based Smart Stick for Blind Persons Zoya Amir, Amna Javed, Kashaf Javed (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-1980 (12:46 pm - 01:00 pm)	MindTrack – An AI-Based Mental Wellness Companion Qurat ul Ain, Ayesha Gull, Hira Sarfaraz, Erij Sohail (<i>Rawalpindi Women University, Rawalpindi</i>)
01:01 pm - 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IIB

Information Technology

Venue: Room # 296, 2nd Floor, Sheikh Rasheed Block
Time: 02:30 pm – 04:30 pm
Themes: Future of Information Technology and Its Applications in IoT (Internet of Things)
Chair 1: Dr. Rehan Mehmood Yousaf
<i>PMAS- Arid Agriculture University Rawalpindi</i>
Chair 2: Dr. Adnan Mustafa Cheema
<i>Rawalpindi Women University, Rawalpindi</i>

Abstract ID &Time	Oral Presentations
IT-2017 (02:30 pm - 02:45 pm)	Spatio-Temporal Modeling of Sign Language Using YOLOv11 Detection and LSTM Sequences Tabassum Kanwal (Rawalpindi Women University, Rawalpindi, 46000, Pakistan), Saud Altaf (National Skills University, Islamabad 44000, Pakistan), Rehan Mehmood Yousaf, Kanza Gulzar (PMAS-University of Arid Agriculture, Rawalpindi, 46000, Pakistan)
IT-2044 (02:46 pm - 03:00 pm)	Smart Bluetooth-Controlled Robotic Car for Remote Navigation and Obstacle Detection Khadija Idrees, Maryam Nazir <i>(Rawalpindi Women University, Rawalpindi)</i>
IT-2045 (03:01 pm - 03:15 pm)	Smart Minutes: AI-Powered Meeting Recorder & Summarizer Zill_e_huma , Ifra malik, Maha <i>(Rawalpindi Women University, Rawalpindi)</i>
IT-2070 (03:16 pm -	AgriSmart: IoT-Enabled Intelligent Farming and Market Information System

Revamped Scientific Outlook of 21st Century (RSO-21st Century, 2025)

03:30 pm)	Fasiha, Saira, Humaira (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-2071	Automatic Solar Tracking System
(03:31 pm - 03:45 pm)	Hajra Maryam, Ifra Ahmed, Amna Malik (<i>Rawalpindi Women University, Rawalpindi</i>)
IT-2072	Smart Audio Guide Companion
(03:46 pm - 04:00 pm)	Ayesha Imtiaz, Laiba Ghafoor (<i>Rawalpindi Women University, Rawalpindi</i>)
04:01 pm - 04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IA Mathematics

Venue: Webinar Room, Sheikh Rasheed Block
Time: 11:30 am - 01:30 pm
Themes: Relativistic, Astrophysics, Gravitation and Cosmology, Mathematical Modeling
Chair 1: Dr. Naveed Yaqoob
<i>Riphah International University, Islamabad</i>
Chair 2: Dr. Sadia Midhat
<i>PMAS-Arid Agriculture University, Rawalpindi</i>

Time	Keynote Talks
11:30 am- 11:50am	Generating Approximate Closed-Form Solutions of Partial Differential Equations
	Prof. Dr. Azad Siddiqui (<i>NUST, Islamabad</i>)

Abstract ID & Time	Oral Presentations
MTH-1279 (11:50 am – 12:00 pm)	The Evolutionary Trajectory of Fuzzy Metric Spaces: Introducing the q-Rung Orthopair Framework
	Shahid, L. (<i>Islamic International University, Islamabad</i>)
MTH-1582 (12:00 pm - 12:10 pm)	A Study of Vibration Equation via Haar Wavelet Collocation Method
	Saleem, S. (<i>Lahore College for Women University, Lahore</i>)

MTH-1763 (12:10 pm - 12:20 pm)	Reflected Thermoelastic Plane Waves through Nonlocal Thermo-Diffusive Semiconductors Ali, H. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1509 (12:20 pm - 12:30 pm)	Study of Cosmic Gravitational Waves in Extended Gravity Theory Siddiqua, A. (<i>Virtual University of Pakistan, Islamabad</i>)
MTH-2008 (12:30 pm - 12:40 pm)	Optimal Control Strategies for Chikungunya Virus in the Presence of Wolbachia and Sterile Mosquitoes Murtaza, G., Akbar A., & Ahmed I. (<i>COMSATS University Islamabad</i>)
MTH-1235 (12:40 pm - 12:50 pm)	Modelling and Analysis of HIV dynamical model with Fractal-Fractional Order and Nonlinear Autoregressive Neural Networks Nawaz, A. (<i>PMAS Arid Agriculture, Rawalpindi</i>)
MTH-1239 (12:50 pm - 01:00 pm)	Application of Discrete Probability Distribution to Quantum Subclasses of Analytic Functions Tabassum, A., & Mustafa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1641 (01:00 pm - 01:10 pm)	Optimizing Collective Motion in Self-Propelled Particle Systems: A Mathematical and Computational Study of Noise-Induced Order Ahmed I., Gilal M. A., & Indhar A. M. (<i>Shah Abdul Latif University Khairpur</i>)
MTH-1649 (01:10 pm - 01:20 pm)	Mathematical and Computational Modeling of Collective Motion of Self-Propelled Particles Under Speed Variability

	Ali M., Ahmed I., Indher A. M., & Ahmed, N. . (<i>Shah Abdul Latif University Khairpur</i>)
01:20 pm 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chairs</i> Shields and Certificates Distribution

Session IB Mathematics

Venue: Room # 286, 2nd Floor, Sheikh Rasheed Block Time: 11:30 am - 01:30 pm	
Themes: Pure and Applied Mathematics, Computational Mathematics	
Chair 1: Dr. Ghaus Ur Rahman	
<i>University of Swat, Swat</i>	
Chair 2: Dr. Waqas Yasin	
<i>University of Narowal, Narowal</i>	

Time	Keynote Talk
11:30 am 11:50 am	Exploring Operads: Structure, Symmetries, and Species
	Prof. Dr. Khurram Shabir (<i>Government College University, Lahore</i>)

Abstract ID & Time	Oral Presentations
MTH-1990 (11:50 am- 12:00 pm)	Graph-Theoretic Dimensions and Regression Analysis of Anti-Cancer Drugs Using Python
	Chaudhry, F. (<i>The University of Lahore, Lahore</i>)

MTH-1470 (12:00 pm - 12:10 pm)	Dimensional Estimation on Edge Metric Dimension of Germanium Antimony Telluride Amjad, B., & Afzal, D. (<i>Rawalpindi Women University</i>)
MTH-1508 (12:10 pm - 12:20 pm)	A Mask-Based Link Between Even-Point Dual Binary and Quaternary Refinement Schemes Hameed, R., & Farman T. (<i>The Govt. Sadiq College Women University Bahawalpur</i>)
MTH-1471 (12:20 pm - 12:30 pm)	Computational Aspects of Metric Dimension of Hexagonal Linear Chains Naeem, A., & Afzal, D. (<i>Rawalpindi Women University</i>)
MTH-1583 (12:30 pm- 12:40 pm)	Logarithmic Coefficient Bound for Special Subclasses of Analytic Functions Shaheen, S., & Mustafa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1710 (12:40 pm- 12:50 pm)	Some Geometric properties of Subclasses of Analytic Functions Parveen, A., & Mustafa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1234 (12:50 pm- 01:00 pm)	Novelty of Several Dynamic Estimates Refined on Time Scales Sahir, M. J. S. (<i>The University of Lahore, Lahore</i>)
MTH-1497 (01:00 pm- 01:10 pm)	Shadows and Energy Emission from Black Bounces Iftikhar, S. (<i>Lahore College for Women University, Lahore</i>)
MTH-1498 (01:10 pm - 01:20 pm)	Application of fixed-point theory and wave solutions for fractional convection-diffusion system Shahzad, M. (<i>The University of Lahore, Lahore</i>)
01:20 pm- 01:30 pm	Q & A Session Session Concluding Remarks by Session Chairs

Shields and Certificates Distribution

Session IIA
Mathematics

Venue: Webinar Room, Sheikh Rasheed Block

Time: 02:30 pm - 04:30 pm

Themes: Mathematical Analysis Computational Mathematics

Chair 1: Dr. Faryal Chaudhry

The University of Lahore, Lahore

Chair 2: Dr. Hashmat Ali

Rawalpindi Women University, Rawalpindi

Time	Keynote Talk
02:30 pm 02:45 pm	Existence and stabilization of impulsive second-order integro-differential equations with multiple kernels and delays
	Prof. Dr. Cemil Tunç (<i>Van Yuzuncu Yil University, Turkey</i>)

Abstract ID & Time	Oral Presentations
MTH-1639 (02:45 pm-02:53pm)	Alpha Cut Approach to Solve of Fuzzy Equations Yaqoob, N. (<i>Riphah International University, Islamabad</i>)
MTH-1654 (02:53 pm-03:01 pm)	AUTHENTICATION SCHEME BASED ON LATIN SQUARE Medhit, S. (<i>PMAS-Arid Agriculture University</i>)
	Qualitative Analysis of Fractional Delay Differential Equations with Time Singularities

MTH-1496 (03:01 pm-03:09 pm)	
	Rahman , G. U., & Bibi, S. (<i>University of Swat, Swat</i>)
MTH-1482 (03:09 pm-03:17 pm)	Exploring Fault tolerant Metric Dimension of Linear Naphthalene
	Nisa, I., & Afzal, D. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1585 (03:17 pm-03:25 pm)	Analysis of discrete probability distribution on certain subclasses of analytic function
	Manzoor, A., & Mustafa, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1239 (03:25 pm-03:33 pm)	Analysis of Plane Waves in Nonlocal Generalized Thermoelasticity
	Fatima, N. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1823 (03:33 pm-03:41 pm)	Characterizing Bounds on Zagreb Indices in Trees with a Specified Metric Dimension
	Ali, W. (<i>University Malaysia Terengganu</i>)
MTH-1597 (03:41 pm-03:49 pm)	AI-based simulation investigates thermal transfer in polymer-CNT hybrid nanofluid between planes
	Latif A., & Raheem A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1630 (03:49 pm-03:57 pm)	Eccentricity based topological indices of some graphs
	Hassan, R. (<i>Muslim Youth University, Islamabad</i>)
MTH-1709 (03:57pm-04:05 pm)	Wave behavior in Porous Thermoelastic Non Local Solids
	Noor, W. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1716	Reflection and propagation of CP-Wave in type IIthermoelastic nonlocal solids

(04:05pm-04:13 pm)	Saeed, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
MTH-1484 (04:13pm-04:20 pm)	Exploring the Metric Dimensions of Graphene and Unveiling the Intricacies of Atomic Structure Abbas, W., & Chaudhary F. (<i>The University of Lahore, Lahore</i>)
MTH-1483 (04:20 pm-04:27 pm)	Characterizing Fault-Tolerant Resolving Sets in Kekulene Graphs: Implications for Cryptographic Applications Farooq, U., & Chaudhary, F. (<i>The University of Lahore, Lahore</i>)
04:27 pm-04:30 pm	Q & A Session Session Concluding Remarks by Session <i>Chairs</i> Shields and Certificates Distribution

Session IIB Mathematics

Venue: Room # 286, 2nd Floor, Sheikh Rasheed Block Time: 02:30 pm - 04:30 pm
Themes: Mathematical Modeling, Computational Mathematics, Graph Theory
Chair 1: Prof. Dr. Abdul Raheem <i>Muslim Youth University, Islamabad</i>
Chair 2: Dr Sidra Saleem <i>LCWU, Lahore</i>

Time	Keynote Talks
02:30 pm-02:45pm	Fractional Calculus and its Applications Prof. Dr. Muhammad Imran Asjad (<i>UMT, Lahore</i>)

Abstract ID & Time	Oral Presentations
MTH-1475 (02:45pm-02:53 pm)	Computational Spatio-temporal patterns and Turing–Hopf bifurcation in a spatially extended prey–predator model Yasin, M. W. (<i>University of Narowal, Narowal</i>)
MTH-1551 (02:53pm-03:01pm)	A Fractional Order Physics Informed Neural Network Framework for Modeling and Control of Alzheimer’s Disease Mehmood, A. (<i>CEME, NUST, Islamabad</i>)
MTH-1556 (03:01pm-03:09 pm)	On computation of neighbourhood degree sum-based topological indices for zinc-based metal–organic framework <u>Khanum</u> , O., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1557 (03:09 pm-03:17 pm)	Computing the Edge Irregularity Strength of Some Classes of Graphs <u>Raheem</u> , M. N., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1561 (03:17pm-03:25 pm)	Wiener Polarity Type Invariant of Some Nanostructures Bibi, N., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1567 (03:25pm-03:33pm)	Optimization Energy Storage in Smart Grids Via Advanced Graph Theory Nadeem, M. (<i>Muslim Youth University, Islamabad</i>)
MTH-1584 (03:33 pm-03:41 pm)	On Topological Indices of Certain Interconnected Network Bukhsh, K. K. (<i>Muslim Youth University, Islamabad</i>)

MTH-1560 (03:41 pm-03:49 pm)	Computation of topological indices for the product of graphs Akram, M., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1559 (03:49 pm-03:57pm)	Super (a,d)-H-anti-magic labeling of subdivided graphs Ali, F., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1558 (03:57 pm-04:05 pm)	On e-super (a,d)-edge antimagic total labeling of some Graphs Ahmed, Z., & Raheem, A. (<i>Muslim Youth University, Islamabad</i>)
MTH-1566 (04:05 pm-04:13 pm)	Shape Analysis in Computer Aided Design System Shakeel, A. (<i>NASTP Institute of Information Technology (NIIT), Lahore</i>)
MTH-1544 (04:13 pm-04:20 pm)	Automated Forecasting Fractal Algorithm for Simulation and Modeling of El Niño Southern Oscillation Urooj, T., & Mehwish (<i>Lahore College for Women University, Lahore</i>)
MTH-1519 (04:20 pm-04:27 pm)	Many Ways to Solve Differential Equations Khan, P, I., (<i>IPIK Rawalpindi</i>)
(04:27 pm-04:30 pm)	Q & A Session Session Concluding Remarks by <i>Session Chairs</i> Shields and Certificates Distribution

Session IA

Statistics

Venue: Room # 300, 2nd Floor, Sheikh Rasheed Block Time: 11:30 am - 01:30 pm
Themes: Multivariate Analysis, Data Science/Machine Learning and Time Series Analysis / Econometrics
Chair 1: Prof. Dr. Asad Ali <i>(Institute of space and technology & Technology, Islamabad)</i>
Chair 2: Dr. Ismail Shah <i>(Quaid-i-Azam University, Islamabad)</i>

Time	Keynote Talks
11:30 am- 11:45 am	Sensor-Enabled Machine Learning and Statistical Modeling for Foot-and-Mouth Disease Surveillance in Botswana Prof. Dr. Abid Yahya <i>(Botswana International University of Science and Technology (BIUST))</i>
11:45 am- 12: 00 pm	Intelligent Data Journeys: Statistical Innovations in Image Analytics Prof. Dr. Tahir Mehmood <i>(National University of Sciences and Technology (NUST), Islamabad)</i>

Abstract ID & Time	Oral Presentations
STAT-1555	A New Restricted Modified Ridge Type Estimator for the Poisson Regression Model

(12:01 pm-12:10 pm)	Zainab, R., Roman, U., & Amin, M. (<i>Bahauddin Zakariya University, Multan</i>)
STAT-1755	Fractional Feature Transformation for Gene Expression-Based Cancer Classification and Analysis
(12:11 pm-12:20 pm)	Ali, F., (<i>National University of Sciences and Technology (NUST), Islamabad</i>)
STAT-1828	Predictive Modeling by Using Integrative Machine Learning Algorithms for Healthcare Data
(12:21 pm-12:30 pm)	Ali, N., & Riaz, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
STAT-1853	Innovative Approach to Minimize Misclassification Error in Binary Output using Ensemble Methods
(12:31 pm-12:40 pm)	Basaharat, R., & Ijaz, M. (<i>Rawalpindi Women University, Rawalpindi</i>)
STAT-2004	Predicting Term Deposit Subscription using Machine Learning Techniques: A Comparative Analysis of Classification Models for Prediction
(12:41 pm-12:50 pm)	Javed, Z., & Shad, Y., M. (<i>Quaid-i-Azam University, Islamabad</i>)
STAT-2007	Comparative Analysis of Machine Learning Models for Real Life Data
(12:51 pm-01:00 pm)	Zahid, A., & Riaz, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
STAT-2006	Classification and Forecasting of E-Commerce Orders in Pakistan using Machine Learning Techniques
(01:01 pm-01:10 pm)	Sajid, R., & Shad, Y., M. (<i>Quaid-i-Azam University, Islamabad</i>)

(01:11 pm- 01:30 pm)	Q & A Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shield and Certificates Distributions
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Session IB Statistics

Venue: Room # 300, 2nd Floor, Sheikh Rasheed Block Time: 02:30 am - 04:20 pm
Themes: Survey Sampling, Spatial Statistics, Applied Statistics and Multivariate Analysis
Chair 1: Prof. Dr. Irshad Ahmad Arshad <i>Allama Iqbal Open University, Islamabad.</i>
Chair 2: Dr. Muhammad Abid <i>Government College University, Faisalabad.</i>

Time	Keynote Talks
02:30 pm- 02:50 pm	Data Wrangling: The Foundation of Data-Driven Decision Making Prof. Dr. Muhammad Aslam Asadi (<i>Bahauddin Zakariya University, Multan-Pakistan</i>)

Abstract ID & Time	Oral Presentations
TAT-1623 (02:51 pm - 03:00 pm)	An Optimal Neutrosophic Ratio Estimator in PPS Sampling Scheme Azeem, M., & Khan, N. (<i>University of Malakand, Malakand</i>)
STAT-1624 (03:01 pm - 03:10 pm)	An Optimal Exponential Ratio Estimator Using Probability Proportional to Size Sampling Atta, Ullah., Azeem, M., & Khan, U., H. (<i>University of Malakand, Malakand</i>)

STAT-1852 (03:11 pm - 03:20 pm)	An Innovative Randomized Response Model for Estimation of Sensitive Information
	Awan, S., & Murtaza, M. (<i>Rawalpindi Women University, Rawalpindi</i>)
STAT-2003 (03:21 pm - 03:30 pm)	A Control Chart for Bivariate Discrete Data Monitoring
	Talib, A., Ali, S., & Shah, I. (<i>Quaid-i-Azam University, Islamabad</i>)
STAT-1942 (03:31 pm - 03:40 pm)	Effects of Sleep Quality on Mental Work Load among Nurses in Public Sector Hospital's Bahawalnagar
	Noreen, F., (<i>National University of Medical Sciences, Islamabad</i>)
STAT-1813 (03:41 pm - 03:50 pm)	Estimation of Population Mean Using Supplementary Variable
	Ammara, & Narjis, G. (<i>Rawalpindi Women University, Rawalpindi</i>)
STAT-1888 (03:51 pm - 04:00 pm)	Investigating the Impact of Mobile Phone Usage on Academic Performance among University Students
	Basharat, M., & Ijaz, M. (<i>Rawalpindi Women University, Rawalpindi</i>)
04:01 pm - 04:20 pm	Q & A Session
	Session Concluding Remarks by <i>Session Chair</i> and <i>Co-Chair</i> Shield and Certificates Distributions

Session IA

Zoology

Venue: Room # QEC conference room Time: 11:30 am - 01:30 pm
Themes: One Health and Applied Microbiology, Insect Biodiversity and Pollinator Economics
Chair 1: Prof. Dr Arif Nadeem Saqib <i>National Skill University, Islamabad</i>
Chair 2: Dr. Razia Iqbal <i>University of Gujrat, Gujrat</i>

Time	Keynote Talks
11:30 am- 11:45 am	Global Problems and Challenges of Aquatic Organisms and Foods <i>Zeliha Selamoglu (Nigde Omer Halisdemir University, Nigde, Turkey)</i>
11:45 am- 12: 00 pm	Genetic Diagnosis in the Era of Precision Medicine and Beyond <i>Prof. Muhammad Jawad Hassan (Shifa Tameer e Millat University, Islamabad)</i>

Abstract ID & Time	Oral Presentations
ZOO-1523 (12:00 pm - 12:10 pm)	Herbal Modulation of Growth and Immune Responses in <i>Labeo rohita</i> Against <i>Aeromonas hydrophila</i> Nadeem, A., Asad, F., Jamal, R., Nadeem, R., Mehmood, M., Fatima, M., Fatima, I. & Naseer, S. (<i>Government College University Faisalabad</i>)
ZOO-1524 (12:10 pm - 12:20 pm)	Impact of Herbal Seed Extracts on Blood Profile and Histology of <i>Labeo rohita</i> Mehmood, M., Asad, F., Nadeem, A., Fatima, I., Fatima, M., Jamal, R. & Naseer, S. (<i>Government College University, Faisalabad</i>)

ZOO-1683 (12:20 pm - 12:30 pm)	Effect of Diabetes Mellitus on the Sensorineural Hearing Loss of Adult Population of City Rawalakot, Azad Jamu & Kashmir
	Aslam, U., Ejaz, R. & Ambreen, F. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1686 (12:30 pm - 12:40 pm)	Effect of Cortisol in Hypertensive Patients from Haripur, Khyber Pakhtunkhwa
	Arif, A., Shamas, S., Roshan, S., Abrar, H. & Siraj, L. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1688 (12:40 pm - 12:50 pm)	An Integrative Study to Explore the Role of Environmental and Life Style Factors Influencing Hypothyroidism and Hashimoto's thyroiditis
	Ibrar, H., Siraj, L., Arif, A. & Shamas, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1689 (12:50 pm - 01:00 pm)	Remedy of Fipronil-Induced Hepatotoxicity with Ascorbic Acid and Silver Nanoparticles in Chicken
	Ambreen, F., Saifullah, L., Tufail, J., Qamer, S., Ejaz, R. & Bilal, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-2070 (01:00 pm- 01:10 pm)	Evaluation of hec genotype circulating in population of district gujrat punjab pakistan
	Arshad, M., Rosha, S., Shamas, S. & Ahmad, A. A. (<i>University of Gujrat, Gujrat</i>)
ZOO-2069 (01:10pm- 01:20 pm)	Thyroid Function and its Clinical Implication on Liver Cirrhosis: A Study in District Gujrat, Punjab, Pakistan
	Ahmed, A. A., Roshan, S., Shamas, S. & Arshad, M. (<i>University of Gujrat, Gujrat</i>)
01:20 pm - 01:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

Session IB

Zoology

Venue: Room # ORIC conference room
Time: 11:30 pm - 01:30 pm
Themes: : Animal Physiology and Reproduction, Neuroendocrine Networks Regulating Reproduction
Chair 1: Prof. Dr Mazhar Qayyum
<i>Ex-Dean PMAS-Arid Agriculture University, Rawalpindi</i>
Chair 2: Dr. Muhammad Zahid
<i>Islamia College University, Peshawar</i>

Time	Keynote Talk
11:30 am- 11:40 am	Temporal Decline in Consanguineous Marriages in Pakistan: Trends and Prospects
	Sajid Malik (<i>Qauaid-I-Azam University Islamabad</i>)

Abstract ID & Time	Oral Presentations
ZOO-1691 (11:40 am- 11:50 am)	Study on the Prevalence and Risk Factors Causing Urinary Tract Infections (UTIs) in Diabetes Mellitus Patients from Peshawar, Khyber Pakhtunkhwa
	Siraj, L., Ibrar, H., Arif, A., Shamas, S. & Fatima, H. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1694 (11:50 am- 12:00 pm)	Study of Antimicrobial Effects of Different Honey Types on Selected Bacterial Species Against Selected Antibiotics
	Nisa, B. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1750 (12:00 pm- 12:10 pm)	Assessment of Blood-Based Hematological Parameters in Breast Cancer Patients
	Sidra, B., Sarwar, H., Rameen, L., Rehman, F., Rubab, F., Naz, S. & Batool, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1752	A Case-Control Study to Report the Association of the Presence or Absence of <i>GSTM1</i> and <i>GSTT1</i>

(12:10 pm-12:20 pm)	with the Incidence of End Stage Renal Disease in the Subjects Enrolled from Multan District Alum, K. M., M. Hussain, Z. & Waqas, A. (<i>Emerson University, Multan</i>)
ZOO-1756 (12:20 pm-12:30 pm)	Assessment of Adulticidal and Larvicidal Effect of <i>Trachyspermum ammi</i> Against <i>Hyalomma anatolicum</i> Hamid, S., Maqsood, I., Shaheen, A. & Ijaz, R. (<i>Shaheed Benazir Bhutto Women University, Peshawar</i>)
ZOO-1759 (12:30 pm-12:40 pm)	Proximate Composition of Muscle Tissue of <i>Labeo Rohita</i> with Respect to Body Weight and Habitat Tehmina, Ejaz, R., Ambreen, F. & Rubab, F. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1762 (12:40 pm-12:50 pm)	A Brief overview: Prevalence of Different Disease in Bird in Captivity of Pheasants in District Peshawar Rahman, A., Saleem, S., Maqsood, I., Mushtaq, M., Sabawish, Karim, O., Afridi, J. (<i>Shaheed Benazir Bhutto Women University Peshawar</i>)
ZOO-1773 12:50 pm-01:00 pm	Estimation of Toxic Heavy Metals in Rohu (<i>Labeo rohita</i>) from the Dams of Northern Punjab, Pakistan Rubab, F., Sarwar, H., Tehmina, Rameen, L., Imtiaz, M. & Bibi, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-2072 (01:00 pm-01:10 pm)	Trends of Gastrointestinal parasites in Domestic pigeons in Gujrat Irum, S., Fatima, R., Roshan, S., Azhar, S. & Iftikhar, A. (<i>University of Gujrat, Gujrat</i>)
01:10 pm-01:20 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session IIA

Zoology

Venue: Room # QEC conference room	
Time: 02:30 pm - 04:30 pm	
Themes:	Biodiversity Conservation and Ecosystem Sustainability
Chair 1:	Dr. Tanveer Hussain
<i>Virtual University of Pakistan, Satellite Town Campus</i>	
Chair 2:	Dr. Tariq Mahmood
<i>PMAS-Arid Agriculture University, Rawalpindi</i>	

Time	Keynote Talk
02:40 pm– 02:55 pm	Updated Records of Orthoptera Diversity and Conservation Concerns in Pakistan Prof. Dr. Riffat Sultana (<i>University of Sindh</i>)
02:55 pm– 03:10 pm	Nanopore Sequencing for Rapid Surveillance of Tick-Borne and Other Vector-Borne Diseases in Pakistan
	Dr. Haroon Ahmed (<i>COMSATS University, Islamabad</i>)

Abstract ID & Time	Oral Presentations
ZOO-1778 (03:10 pm– 03:20 pm)	Population Dynamics, Structure, Survival and Sustainable Growth of Golden Mahseer (<i>Tor putitora</i>) of River Jehlum, Tehsil Kahuta at Karot Hydropower Project Afzal, T., Hameed, W. & Muhammad, A. (<i>University of Poonch Rawalakot, Azad Jammu and Kashmir</i>).
ZOO-1786 03:20 pm – 03:30 pm	Serum Uric Acid as a Prognostic Marker among Patients with Cardiovascular Disease in the Islamabad Capital Territory Rameen, L., Srwar, H., Sidra, B., Rubab, F. & Rehman, F. (<i>Rawalpindi Women University, Rawalpindi</i>).

ZOO-1797	Impact of Subacute Hyperglycemia on the Testis in Wistar Rats Supplemented with or Without Zinc
(03:30 pm-03:40 pm)	Javed, A., Tabassum, T., Habib, K. & Irfan, S. (Govt. College University Faisalabad).
ZOO-1848	Successful Cryopreservation of Sex Sorted Spermatozoa to Improve the Outcome of Breeding in Water Buffalo
(03:40 pm-03:50 pm)	Andrabi, H. M. S., Fayyaz, H. M. & Haider, S. M. (Pakistan Agricultural Research Council, Islamabad)
ZOO-1849	Prospects of Nanotechnology in Buffalo Breeding; Effect of Cerium Oxide Nanoparticles on Post-Thaw Quality of Water Buffalo Spermatozoa
(03:50 pm-04:00 pm)	Fayyaz, H. M., Andrabi, H. M. S. & Haider, S. M. (PARC-National Agricultural Research Centre, Islamabad).
ZOO-1850	Outcome of Controlled Breeding is Improved with Laparoscopic Artificial Insemination (LAI) Technique in Beetal Does
(04:00 pm - 04:10 pm)	Haider, S. M., Andrabi, H. M. S., Muhammad Hammad Fayyaz, H. M. & Ashraf, M. (PARC-National Agricultural Research Centre, Islamabad).
ZOO-1851	In-Silico Identification of Potential Phytochemical Inhibitors of Uridine-Cytidine Kinase 2 in Hepatocellular Carcinoma
(04:10 pm - 04:20 pm)	Waqas, M., Latif, M., Mateen, M. R. & Shabbir, K. M. R. (University of Education Lahore).
04:20 pm-04:30 pm	Q & A Session Session Concluding Remarks by Session <i>Chair</i> and <i>Co-Chair</i> Shields and Certificates Distribution

Session IIB

Zoology

Venue: Room # ORIC conference room
Time: 02:30 pm - 04:30 pm
Themes: Genetics, Aquatic Zoology, Role of AI in Zoology
Chair 1: Dr Zaib Un Nisa
<i>Government College University, Faislabad</i>
Chair 2: Dr Ruqia Mehmood Baig
<i>PMAS-Arid Agriculture University, Rawalpindi</i>

Time	Keynote Talks
(02:30 pm-02:50 pm)	Beyond Folic Acid: The Importance of a genetic contribution in the Etiology of Meningomyelocele
	Sara Mumtaz (<i>National University of Medical Sciences, Rawalpindi</i>)

Abstract ID & Time	Oral Presentations
ZOO-1924 (02:50 pm-03:00 pm)	Prevalence, symptoms, diet and risk factors of iron deficiency anemia during pregnancy in district Peshawar
	Sabawish, Maqsood, I., Rehman, A., karim, O., Afridi, J. & Tariq, M. (<i>Shaheed Benazir Bhutto Women University Peshawar</i>)
ZOO-1940 (03:00 pm-03:10 pm)	<i>In-Silico</i> Analysis of Potential Phytochemical Targeting Glutathione Peroxidase 4(GPX4) in Thyroid Cancer
	Kousar, A., Latif, M., Khan, R. Shabbir, K. M. R. (<i>University of Education, Lahore</i>)
ZOO-1941 (03:10 pm-	Computational Identification of Phytochemical Inhibitor Targeting Ubiquitin Carboxyl Terminal Hydrolase L3 (UCHL3) in Cervical Cancer

03:20 pm)	Siddique, F., Latif, M., Khan, R. & Rana Muhammad Kamran Shabbir, K. M. R. (<i>University of Education, Lahore</i>)
ZOO-1978	Mutational Analysis of <i>FKRP</i> Gene Associated with Neurodevelopmental Disorder in Consanguineous Pakistani Families
(03:20 pm-03:30 pm)	Shahid, M. Waqas, A. & Shabbir, K. M. R. (<i>University of Education, Lahore</i>)
ZOO-1986	Mutation Analysis of Exon 11 of <i>CFTR</i> Gene among Cystic Fibrosis Patients from Southern Punjab, Pakistan
(03:30 pm-03:40 pm)	Wakeel, A., Latif, M., Ghani, U. M. & Shabbir, K. M. R. (<i>University of Education, Lahore</i>)
ZOO-2065	Studying the Expressional Alterations of miR-296-3p And DDHD2 Gene in Patients with Thyroid Cancer
(03:40 pm-03:50 pm)	Rubab, I., Kainat, N., Khan, R. & Baig, M. R. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
ZOO-2067	Differential Expression Analysis of miR-1205 and E2F3 in Breast Cancer Tissues
(03:50 pm-04:00 pm)	Sana, S., Kainat, N., Irfan, M., Riaz, A. & Mehmood, R. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>).
ZOO-2068	Molecular Profiling of Mir-1205 and E2f3 in Papillary Thyroid Carcinoma: A Pakistan Cohort Study
(04:00 pm-04:10 pm)	Nazir, A, Kainat, N., Khan, R. & Baig M. R. (<i>PMAS-Arid Agriculture University, Rawalpindi</i>)
ZOO-2071	Cleft Lip and Palate in Pakistan: Epidemiology, Clinical Spectrum, and Research trends
(04:10 pm-04:20 pm)	Siddiqui, A. (<i>Quaid-i-Azam University, Islamabad</i>)
04:20 pm-04:30 pm	Q & A Session Session Concluding Remarks by <i>Session Chair and Co-Chair</i> Shields and Certificates Distribution

ORAL PRESENTATION POSTER PRESENTATIONS

(11:30 am - 01:30 pm)

BOTANY

Venue: Fatima Hall Gallery

Judge 1: Dr. Javed Iqbal

Bacha Khan University, Charsadda

Judge 2: Dr. Lubna Ansari

PMAS-Arid Agriculture University Rawalpindi

Poster ID	Title
BOT-1579	Ethnobotany and Phytogeography of Medicinal Plants for Management of diseases of District Sudhnuti AJK, Pakistan
	Akram, M., (<i>Rawalpindi Women University</i>)
BOT-1642	Effect of <i>Cassia angustifolia</i> Vahl. based copper nanoparticles on the growth attributes of maize (<i>Zea mays</i> L.)
	Mobeen, A. (<i>Rawalpindi Women University</i>)
BOT-1646	Isolation and Characterization of Metal Resistant Endophytic Bacteria from <i>Cynodon dactylon</i> (L.) Pers.
	Shehzadi, A. (<i>Rawalpindi Women University</i>)
BOT-1656	Molecular Characterization and Phylogenetic Assessment of Selected Asteraceae Species from Margalla Hills
	Noor, S. (<i>Rawalpindi Women University</i>)
BOT-1731	Role of Activated Rice Straw Biochar on Adsorption of Azithromycin From Aqueous Solution and its Reuse Ability

	Kalsoom, H. (<i>Rawalpindi Women University</i>)
BOT-1735	Molecular Markers Based Genetic Characterization of Selected Asteraceae Species
	Fatima, E. (<i>Rawalpindi Women University</i>)
BOT-1769	Remediation of Ciprofloxacin from Soil using Activated Rice Straw Biochar and <i>Brassica Juncea</i> L. (Czern)
	Javed, A. (<i>Rawalpindi Women University</i>)
BOT-1775	Biological Evaluation of Fractionated Extracts of <i>Murraya Paniculata</i>
	Anwar, F. (<i>Rawalpindi Women University</i>)
BOT-1782	Ethnobotanical Investigation and Ecosystem Services of Native Trees of Islamabad, Pakistan
	Javed, B. (<i>Rawalpindi Women University</i>)
BOT-1789	Ethnobotanical Studies of Medicinal Plants of Khewra Salt Mines for Curing Skin Diseases
	Naseer, S. (<i>Rawalpindi Women University</i>)
BOT-1782	Synergistic Effect of Selected Melia Species Against Microbial Strains and Oxidative Stress.
	Khizar, Z. (<i>Rawalpindi Women University</i>)
BOT-1860	Isolation and Characterization of Growth-promoting Endophytic Bacteria from <i>Tribulus terrestris</i> L.
	Sadia, J. (<i>Rawalpindi Women University</i>)
BOT-1995	Bacterial bioproduct; Approaches, Mechanism, Advances and Emerging perspectives
	Kayani, K.R. (<i>Rawalpindi Women University</i>)
BOT-2063	Use of <i>Cannabis sativa</i> L. for the Management of Root-Knot Fusarium Complex in Tomato
	Nawaz, F. (<i>Rawalpindi Women University</i>)
BOT-2173	Identification of Bioactive Phytochemicals, Phytochemical profiling and Evaluation of Biological Activities of <i>Hedera nepalensis</i> Fruit Extracts

	Akhtar, W. (<i>University of Azad Jammu and Kashmir Muzaffarabad, Pakistan</i>)
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Chemistry

Venue: Corridor, 1st Floor, Sheikh Rasheed Block

Poster Judges	
Prof. Dr. Rohama Gill	<i>Fatima Jinnah Women University, Islamabad</i>
Dr. Muhammad Salman	<i>University of the Punjab, Lahore</i>

Poster ID	Title
CHE-1984	Synthesis and Characterization of Graft Copolymer for Enhanced Material Properties
	Hameed, S., Farooq, M., Rasheed, L., M. & Farhan, M. A. (<i>Rawalpindi Women University, Physics Division, PINSTECH, Islamabad</i>)
CHE -2018	Green Synthesis, Biological Potential, and Semiconducting Properties of MnO:ZnO Bimetallic Nanocomposites
	Sheema, & Zafar, S. (<i>Institute of Chemical Sciences, University of Peshawar</i>)
CHE -2015	Tailoring the antibacterial and antioxidant activities of iron nanoparticles with amino benzoic acid
	Faisal, S., Sadiq, S., Mustafa, M., Khan, M. H., Sadiq, M., Iqbal, Z., & Khan, M. (<i>University of Malakand</i>)
CHE -1634	Effect of <i>Morus alba</i> Mediated Bio-Amendments for Better Production of <i>Cicer Arietinum</i> (chick pea) Seeds

	Khatoon, I., & Iqbal, T. (Rawalpindi Women University)
CHE -1819	Biodegradation of mRNA Vaccine Byproducts in Wastewater
	Naseem, I., Zahra, A., & Ain, N. U. (<i>Rawalpindi Women University</i>)
CHE -1729	Pyrocatechol violet and carminic acid sensitized ZnO/CdS nanostructured photoanodes for DSSCs application
	Shahid, M., Khan, R., & Ansir, R. (<i>Rawalpindi Women University</i>)
CHE -1935	Potential of Carbon Smart Hydrogen Production from Waste Edible Oil (WEO) in Pakistan – From Fryer to Fuel
	Afzaal, H., Asghar, U., Shahid, U., Zeeshan, M., & Ammad, M. (<i>Wah Engineering College, University of Wah</i>)
CHE -1939	Synthesis of Functionalized Chalcone and its Derivatives for Biological Applications
	Altaf, T., Khan, A., & Rasheed, L. (<i>Rawalpindi Women University</i>)
CHE-1712	Biomass Synthesized Materials and Their Bioactive Compound Detection
	Rashid, K., & Iqbal, T. (<i>Rawalpindi Women University</i>)
CHE-1732	Lanthanum- and Yttrium-Doped NMC811 as Stable Cathode Materials for Lithium-Ion Batteries

	Hafeez, I., Iqbal, S., & Ain, N. U. (<i>Rawalpindi Women University</i>)
CHE-1663	Bio-Derived Polymeric Films with Natural Additives for biomedical Applications
	Kanwal, I., & Iqbal, T. (<i>Rawalpindi Women University</i>)
CHE-1708	Fabrication of 5% Fe doped CuS Nanoparticles for photocatalytic degradation of Congo Red
	Kanwal, B., & Gul, A. (<i>Rawalpindi Women University</i>)
CHE-1854	Synthesis, <i>in vitro</i> biological screening, and DFT study of potentially bioactive zinc (II) Complexes with O-Donor Ligands
	Zameer, N., & Asghar, F. (<i>Rawalpindi Women University, Rawalpindi</i>)
CHE-1711	Development of fast Dissolving Encapsulated Oral Films and Approach for Their Therapeutic Application
	Ishaq, S., & Iqbal, T. (<i>Rawalpindi Women University</i>)
CHE-1871	Modeling and Performance Optimization of Barium Antimonide Tri-Iodide (Ba₃SbI₃) Optical Absorber Based Solar Cell
	Sajjad Z., & Qasim, I. (<i>Rawalpindi Women University</i>)

Zoology

Venue: Corridor, 1st Floor, A Block

Poster Judges	
Dr. Sania Riaz	<i>Capital University of Science and Technology, Islamabad</i>
Dr. Ammara Nawaz	<i>Air University, Islamabad</i>
Dr. Farkhanda Asad	<i>Government College University, Faisalabad</i>

Poster ID	Title
ZOO-1684	Comparative Study of Antimicrobial Effect of Honey and Antibiotics on Pathogens Bano, H. & Qamer, S. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1761	Proximate composition of <i>Cirrhinus mrigala</i> muscle tissue by habitat and body weight Tehmina, Ejaz, R., Ambreen, F. & Maryam, A. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-1776	Outcomes of Trabeculectomy – A Single Surgeon, Single Center Experience from Rawalpindi, Pakistan Muazzam, H., Ali, M., Akhtar, F. & Ahmad, S. (<i>Al-Shifa Trust Eye Hospital, Islamabad</i>).
ZOO-1973	<i>In-Silico</i> Identification of Potential Phytochemical Inhibitors Targeting Ubiquitin Conjugating Enzyme E2N (UBE2N) Involved in Prostate Cancer Fatima, N., Latif, M. & Shabbir, K. M. R. (<i>University of Education, Lahore</i>)
ZOO-1749	A Study on Effect of Type 2 Diabetes Mellitus on Serum Vitamin A Levels in Patients from Rawalpindi and Azad Jammu & Kashmir

	Anwar, H., Ambreen, F. & Ejaz, R. (<i>Rawalpindi Women University, Rawalpindi</i>)
ZOO-2066	Microwave-Assisted DNA Extraction from Archived Formalin-Fixed Paraffin-Embedded Liver Tissue Of Mice (<i>Mus musculus</i>)
	<u>Bilal</u> , A., Abbasi, H. M., Anjum, M. K., Qamar, S., Ambreen, F., Sana, S. & Mumtaz, A. (<i>University of Okara, Okara</i>)

