



2nd UMT INTERNATIONAL CONFERENCE ON LIFE SCIENCES
Translating Research into Impactful Solutions

April 10-12, 2025



3rd International Chemistry Conference
on Emerging Trends in Chemistry



Jointly Organized by: Department of Chemistry & Department of Life Sciences, School of Science, University of Management and Technology, Lahore, Pakistan.

SCIENTIFIC PROGRAM

Day 1: April 10, 2025 (Thursday)

INAUGURAL SESSION Venue: Hakim Saeed Seminar Hall-UMT	
TIME	PROCEEDINGS - Hosting: Dr. Qurat ul Ain Hanif
09:30-10:00	Registration and seating arrangements
10:00-10:10	Recitation from Holy Quran & National Anthem
10:10-10:20	Welcome Note: Prof. Dr. Sammia Shahid (Dean, School of Science, UMT)
10:20-10:30	Welcome Address: Prof. Dr. Asif Raza(H.I.(m), T.I.(m)) (Rector, UMT)
10:30-10:40	Keynote: Guest of Honor – Prof. Dr. Kauser Abdullah Malik(H.I., S.I, T.I) ExFederal Minister for National Food Security and Research
10:40-10:50	Keynote: Guest of Honor –Prof. Dr. Zaib-un-Nisa Hussain (VC- University of Home Economics, Lahore)
10:50-11:05	Chief Guest (Governor Punjab: Sardar Saleem Haider Khan)
11:05-11:30	SOUVINIER/GROUP PHOTO / REFRESHMENT

	PLENARY SESSION Venue: Hakim Saeed Seminar Hall Chair: Prof. Dr. Zaheer-ul Haq Qasmi Co-chair: Prof. Dr. Nauman Aftab	
11:30-12:00	Prof. Dr. John McGrady (Oxford university, UK) <i>The role of theory and computation in modern inorganic chemistry</i>	
12:00-12:30	Prof. Dr. Moazur Rahman (CEMB, University of the Punjab, Lahore) <i>Exploration of viral structural proteins for vaccine development</i>	
12:30-13:00	Prof. Dr. Jesús Manuel Anzano Lacarte (University of Zaragoza, Spain) <i>Lasers, Chemistry and the Environment: Scientific Innovation for a Sustainable Planet</i>	
13:00-13:30	Prof. Dr. Muhammad Afzal (NIBGE, Faisalabad) <i>Application of an indigenous, low-cost, and sustainable floating treatment wetlands technology for wastewater treatment and reuse</i>	
13:30-14:30	LUNCH / PRAYER - POSTER SESSION (Chemistry)	
	PLENARY SESSION	
14:30-17:00	Invited / keynote Speaker Venue: Hakim Muhammad Saeed Seminar Hall Chair: Prof. Dr. John McGrady Co-chair: Prof. Dr. Muhammad Afzal	Invited / keynote Speaker (Online) Venue: Saleem Asghar Seminar Hall Chair: Prof. Dr. Jesús Manuel Anzano Lacarte Co-chair: Dr. Muhammad Sohail Afzal
14:30-15:00	Prof. Dr. Zaheer-ul Haq Qasmi (HEJ Karachi) <i>Computational Chemistry for Next-Generation Drug Discovery: Bridging Innovation and Practical Applications</i>	Prof. Dr. Maria Dagla (University of Naples Federico II, Italy) <i>Scutellaria lateriflora L. as a sleep aid: A controlled study in individuals with primary insomnia</i>
15:00-15:30	Prof. Dr. Tasneem Sultana (Area Study Center of Europe, UoK, Karachi) <i>E. democracy in the European Union: Exploring the potential of digital technology</i>	Prof. Dr. Zeliha Selamoglu HoD, Khoja Akhmet Yassawi International Kazakh-Turkish University, Turkey <i>An Overview on Versatile Applications of Glauconite in Chemistry and Biology: A Green Mineral</i>

15:30-16:00	Prof. Dr. Sheikh Asrar Ahmad (University of education,Vehari Campus) <i>Antimicrobial Activity of Gaozaban (Onosmabracteatum) Using Pressurized Hot Water Extraction</i>	Dr. Muhsin Jamal (AWKU, Mardan) <i>Phage Therapy: A Targeted Approach to Control Poultry Colibacillosis</i> Dr. Ghulam Zahara Jahangir (CAMB, PU) <i>Genetic modification of Potato cultivar for cropping over dryer and saline agricultural belts of Punjab</i>	
16:00-16:30	Prof. Dr. Nauman Aftab (GCU, Lahore) <i>Saccharification of plant biomass utilizing nano-coupled glucanase from Clostridium clariflavum for low-cost bioethanol production</i>	Prof. Dr. Ellene Tratras Contis Eastern Michigan University, USA <i>Sharing Best Practices in the Global Chemistry Enterprise</i>	
16:30-17 :00	Prof. Dr. Tajnees Pirzada (Shah Abdul Latif University, Khairpur) <i>Chemical analysis of purslane leaves extract enhanced humic acid coated nano particles properties against the multidrug-resistant bacteria</i>	Dr. Hyung Goo Kim (Associate Professor, Rutgers University, USA) <i>Integrated genomics in disease gene discovery</i>	
TECHNICAL SESSIONS			
14:30-17:00	Technical Session 1 (Life Sciences) (Online and Physical) Venue: MC-03 Main Building Chair: Dr. Samreen Riaz Co-chair: Dr. Waqar Aman	Technical Session 2 (Chemistry) Venue: 1N-11 Chair: Prof. Dr. Tajnees Pirzada Co-chair: Dr. Sohail Zafar	Technical Session 3 (Chemistry) Venue: 1N-12 Chair: Dr. Muhammad Naeem Ahmed Co-chair: Dr. Mohsin Javed
14:30-14:45	Dr. Muhammad Nasib Zaman (University of Swat, Pakistan) <i>Clearance of HCV NS5a in immune cell as a prognostic indicator</i>	Dr. Sadaf Sarfraz (CoD, Lahore Garrison University) <i>Title</i>	Dr. Muhammad Naeem Ahmed (CoD, The University of Azad Jammu & Kashmir, Muzaffarabad) <i>Design, Synthesis and Structural Studies of some New Azoles as Potential Biological Scaffolds</i>
14:45-15:00	Dr. Mudassar Iqbal (Superior University Lahore) <i>Development and characterization of human interleukin 24 for therapeutic use</i>	Dr. Sumera Zaib (CoD, Applied and Basic Chemistry, University of Central Punjab Lahore) <i>Synergizing AI. CADD and Nanoinformatics: Accelerating Drug Development</i>	Usmana Zia (UCP) <i>Mentha piperita Essential Oil Mediated Synthesis of Fe₃O₄/La₂O₃/GO Nanocomposite and its Chemical and Biological Applications</i>
15:00-15:15	Mr. Muhammad Ubaid Ur Rehman (HITEC University, Taxila) <i>Harnessing Clinical and Lifestyle Factors: A Comprehensive Approach for Diabetes Classification and Prediction using Supervised Learning</i>	Dr. Khalil Ahmad (Emerson University Multan (EUM), Multan) <i>Ag@ZIF-8 Composite for Removal of Ciprofloxacin</i>	Salman Zafar University of Peshawar <i>Microbial Systems as Mimics for in vivo Drug Metabolism</i>
15:15-15:30	Dr. Mohammad Ayaz (HSM, UMT) <i>Taxanomic Study of Cerembycidae in Pakistan: Focus on Hazara Division of Khyber Pakhtunkhwa</i>	Dr. Rubina Munir (Kinnaird College for Women, Lahore) <i>Title</i>	Duae Sohail (UMT) <i>Decoding Nutrient Transport: In-Silico Optimization of OsMRS2-2 for Magnesium-Enriched Rice"</i>

	Ms. AsifaRoohi (UMT, Lahore) <i>Title</i>		
15:30-15:45	Dr. Fahim Ullah Khan (Hazara University Mansehra Pakistan) <i>Accelerating Wheat Variety Development: Innovative Strategies to Shorten Breeding Cycles</i>	Maha Saber UMT <i>Decoding Immunological Aging: From Molecular Decline to Targeted Interventions</i>	Shoomaila Latif University of the Punjab, Lahore <i>Dual doped ZnO Nanomaterials: An effective Catalyst for Environmental Remediation</i>
15:45-16:00	Ms. Talat Rafi (UOK, Karachi) <i>Environmental challenges faced by Pakistan's tourism sector: impactful solutions for environmental sustainability</i>	Husnain Ali (UMT) <i>Biofuel and its importance in the future</i>	Hamza Mumtaz (UMT) <i>Gene Editing Strategies to Extend Banana Shelf Life: Combating Browning for Improved Post-Harvest Stability</i>
16:00-16:15	Ms. IzmaZahir (UMT, Lahore) <i>Comparison of Traditional and Probiotic Yogurt in Relation to their Impact on Pediatric Acute Diarrhea Patients</i>	Anaab Fatima (UMT) <i>The Microbiome and Mental Health: Unlocking Novel Therapies for Depression and Anxiety</i>	Tooba Noor-ul-Iman (UMT) <i>Unlocking the potential of Menstrual stem cells in regenerative medicine</i>
16:15-16:30	Ms. Zainab Akhtar (PU, Lahore) <i>Antagonistic Effects of Aspirin and Pomegranate Juice Induced in Developing Mice</i>	Haroon Iftikhar (GCU, Lahore) <i>Green Extraction of Essential Oils from Ocimumbasilicum Using Deep Eutectic Solvent: Optimization via RSM and ANN with Evaluation of Antioxidant, Antimicrobial, and Mosquito-Repellent Activities</i>	Munaza (UMT) <i>Revolutionizing Cancer Treatment: The Power of Immunotherapy</i>
16:30-16:45	Ms. Ghulam Fatima Saleem (PU, Lahore) <i>Teratogenic and Embryotoxic Effects of Pyrazinamide in Albino Mice</i>	Dr. Muhammad Imran Din (PU)	Anham Zafar (GCU Faislabad) <i>Eco-Friendly Bimetallic Ionic Liquids as Dual-Function Extractants and Catalysts for Efficient Oxidative Desulfurization of Fuels</i>
16:45-17:00	Ms. Aimen Aftab (UMT, Lahore) <i>Drug discovery for the treatment of monkey pox virus</i>	Ms. Areeba Imran (UMT) <i>Role of Pseudomonas in Air Pollution Control: Microbial Degradation of Pollutants</i>	Iffa Ali (UMT) <i>Revolutionizing Pain Relief: The Power of Gene Therapy</i>
END OF DAY 1			

Day 2: April 11, 2025 (Friday)

PLENARY SESSION

09:00-12:40	Invited / keynote Speaker Venue: Hakim Muhammad Saeed Seminar Hall Chair: Prof. Dr. Sheikh Asrar Ahmad Co-chair: Dr. Hafiz Muzzammel ur Rehman	Invited / keynote Speaker (Online) Venue: Saleem Asghar Seminar Hall Chair: Prof. Dr. Muhammad Perwaiz Iqbal Co-chair: Dr. Hafiz Ubaid ur Rehman
09:00-09:20	Prof. Dr. Shahzad Ali Shahid Chatha (GCU, Faisalabad) <i>Upcycling Of Industrial Waste for Sustainable Development and Circular Economy</i>	Dr. Maria Vittoria Morone (University of Campani 'L. Vanvitelli', Naples, Italy) <i>A natural approach to dyslipidemia: a randomized clinical trial to evaluate the efficacy of a multi-component food supplement</i>
09:20-09:40	Dr. Hammad Ullah (XISU, China) <i>Food supplements for metabolic health: Current evidence and future directions</i>	Dr. Tonni Agustiono Kurniawan (Associate Professor, Xiamen University, China) <i>Turning Waste into Solutions: Zn2Cr-LDH Derived from Electroplating Effluent for Pyrophosphate Removal</i>
09:40-10:00	Prof. Emeritus Dr. Jehan Bakht VC, The University of Agriculture, Peshawar <i>Climate</i>	Dr. Ningbo Chen (Northwest A&F University, China) <i>The genomic diversity, history, and unique evolutionary adaptation of East Asian cattle</i>
10:00-10:20	Prof. Dr. Imran Amin (NIBGE Faisalabad) <i>CRISPR CAS -Based Genome Editing in Crop Plants</i>	Dr. Muhammad Tayyab (UVAS, Lahore) <i>Recombinant DNA Technology for Enzymes Production for Poultry Feed Industry</i>
10:20-10:40	Prof. Dr. Muhammad Akhyar Farrukh (University of Central Punjab) <i>AI-Driven Molecular Spectroscopy for Characterizing Graphene-Metal Oxide Nanocomposites</i>	Dr. Temitope Fadipe (University Parkway, Louisiana, USA) <i>Leveraging System Biotechnology and Metagenomics Towards Sustainable and Optimized Production of Polyhydroxyalkanoates</i>
10:40-11:00	Prof. Dr. Hamid Mukhtar (GCU, Lahore) <i>Nano/Biocatalyst: An emphatic tool for the green synthesis of biodiesel</i>	Dr. Simplicie Koudjina (Associate Professor, UNSTIM University of Abomey, Benin, West Africa) <i>Elimination of Trace Metals and Drug Residues in industrial Wastewater by Physiochemical Adsorption on Kaolinite surface</i>
11:00-11:20	Prof. Dr. Muhammad Imran (PU, Lahore) <i>Inorganic and Structural Chemistry of Bismuth Compounds with versatile applications</i>	Dr. Wasiq Ikram (University Mohammed VI Polytechnic, Morocco) <i>Phosphorus fluxes in soil plant system: Assessment through radioisotopic labeling technique</i>
11:20-11:40	Dr. Fayyaz ur Rehman (UoS, Sargodha) <i>A Paradigm Shift: From Conventional Methods to AI Tools in Protein Designing and Drug Development</i>	Dr. Tariq Mahmood (Associate Professor, University of Bahrain) <i>Revolutionizing Water Splitting: A Quantum Chemical Insight into Single Atom Catalysis</i>

11:40-12:00	<p>Prof. Dr. Aneela Anwar (UET Lahore) Title:</p>	<p>Prof. Dr. Yi Zhang (Key Laboratory of Animal Genetics, Breeding and Reproduction of Ministry of Agriculture and Rural Affairs, China Agricultural University, Beijing, China) <i>Complete Genomic Landscape Reveals Hidden Evolutionary History and Selection Signature in Asian Water Buffaloes (<i>Bubalus bubalis</i>)</i></p>
12:00-12:20	<p>Prof. Dr. Muhammad Arif Nadeem Saqib (NUS, Islamabad) <i>Prevalence of MODY in Pakistan</i> Dr. Syed Qasim Raza (UVAS, Lahore) <i>Senescence Program Initiated by Cellular Cannibalism</i></p>	<p>Prof. Dr. Syed Tufail Hussain Shah (University of Sindh, Jamshoro, Pakistan) <i>Vegetable Oil Deodorizer Distillate: An Innovative Capping Agent for Fabrication of the Silver Nanoparticles</i></p>
12:20-12:40	<p>Dr. Ghayoor Abbas Chotana (LUMS) <i>Iridium-Catalyzed Aromatic C-H Activation/Borylation</i></p>	<p>Prof. Dr. Sami Simsek (Faculty of Veterinary Medicine, Firat University, Elazig, Türkiye) <i>Comparative analysis of microscopic and molecular methods for the diagnosis and post-treatment monitoring of Echinococcus granulosussensustricto in experimentally infected dogs</i></p>
TECHNICAL SESSIONS		
09:00-12:40	<p>Technical Session 1 (Life Sciences) (Online and Physical) Venue: MC-03 Main Building Chair: Prof. Dr. Abdul Rehman Co-chair: Dr. Muhammad Sajjad Khattak</p>	<p>Technical Session 2 (Chemistry) Venue: 1N-11 Chair: Prof. Dr. Muhammad Akhyar Farrukh Co-chair: Dr. Abdul Rauf</p>
09:00-09:15	<p>Dr. Ian Will (UBC, Canada) <i>Coinfecting parasites in a warming world: temperature dependent virulence and microbial competition in nematode hosts</i></p>	<p>Saima Rubab (UMT) <i>Highly Efficient CoS/S@g-C3N4 Nano Composite for Degradation of Pollutants in Wastewater</i></p>
09:15-09:30	<p>Ms. Nawshin TB Alim (Department of Microbiology, UBC, Canada) <i>The Phage-like Gene Transfer Agent and its Receptors</i></p>	<p>Khoshal Bilalzai (UMT) <i>Pure Metal Free Electrochemical water splitting</i></p>
09:30-09:45	<p>Dr. Muhammad Sajjad Khattak (SBS, PU) <i>Protein Engineering Approaches to Improve Catalytic Properties of Archaeal Lysophospholipases</i></p>	<p>Mr. Aziq John (UMT) <i>Fabrication of Cd doped Cr2O3 composite with S-g-C3N4 as efficient electrocatalyst for overall water splitting</i></p>

09:45-10:00	Dr. Rana Muhammad Kamran Shabbir (UOE, Pakistan) <i>Homozygous Variant C.2861_2862del (P. K939Rfs*38) In PRG4 Further Delineates the Phenotypic Spectrum in Camptodactyly-Arthropathy-Coxsack-Pericarditis Syndrome</i>	Anam Gulzar (UMT) <i>Halogen Doped Carbon Ring as Anode Nanomaterial for Na-ion Secondary Batteries; A DFT Study</i>
10:00-10:15	Badar Un Nisa (UVAS, Lahore) <i>Artificial Intelligence Based Diagnostic Solution for Newcastle Disease Detection in Poultry</i>	Meezab Sarwar (UMT)
10:15-10:30	Dr. Ansar Ahmed Abbasi (MUST, Pakistan) <i>Unravelling the Genetic Etiology of Hereditary Disorders in Southern Kashmiri Population</i>	Sajid Hussain (UMT) <i>Sustainable Hydrogen Peroxide Synthesis Using Bismuth-Modified Biochar</i>
10:30-10:45	Dr. Madeeha Shahzad Lodhi (UOL, Lahore) <i>Magnetic Affinity Purification of Proteins</i>	Bisma Arshad (UMT) <i>Microbiome and Immunity</i>
10:45-11:00	Dr. Malik Ihsan Ullah Khan (UOL, Lahore) <i>Genomic Epidemiology of Dengue Virus in Punjab, Pakistan</i>	Mahrukh Khan (UMT) <i>Engineering Metal-Doped Tungsten Oxide Nanocomposites: Synthesis and Applications</i>
11:00-11:15	Dr. Shahan Azeem (UVAS, Lahore) <i>Isolation and Identification of Clostridium Perfringens and Its Toxins from Mutton in Lahore City, Punjab, Pakistan</i>	Hina Khadim, Rabia Zeeshan, Anila Asif COMSATS University Islamabad, Lahore Campus <i>Design of polysaccharide-based photocurable hydrogels for wound repair applications</i>
11:15-11:30	Dr. Muhammad Mudassar Shahzad (UOE Lahore) <i>Importance of Fish in Human Health and Small-Scale Aquaculture</i>	Ms. Asma Abbas (UMT) <i>Computational Analysis Of Interactions Between Related Transcription Factors And Wheat Derived miRNA Against WYMV</i>
11:30-11:45	Ms. Zainab Akhtar (PU, Lahore) <i>Antagonistic Effects of Aspirin and Pomegranate Juice Induced in Developing Mice</i>	Aqsa Afzaal, Moiz U din Khan <i>Synergistic utilization of cost-effective glycerophosphate and biologically active zein for innovative minimally invasive smart thermo-responsive hydrogels for potential hard tissue engineering applications</i>

11:45-12:00	Ms. Laiba Abdul Manan (LCWU, Lahore) <i>Isolation of Pectinase from Bacillus halotolerant sp. LC3 Utilizing Persea americana Waste for Sustainable Enzyme Production</i>	Ms. Hira Arshad (UVAS, Lahore) <i>Platelet Indices and C Reactive Protein as a Biomarker for Diagnosing Sepsis Types in Neonates</i>
12:00-12:15	Dr. Hammad Arshad (LGU, Lahore) <i>Eco-benign silver nanoparticles for antimicrobial applications</i>	Ms. Misbah Zia (Institute Of chemistry,UOS,Sargodha) <i>Synthesis of transition metal based bifunctional catalysts for catalytic small molecules activation</i>
12:15-12:30	Dr. Ayesha Imtiaz (SBS PU) <i>Intrinsically disordered region of CDC14A is essential for hearing in human and mouse</i>	Sehrish Firyal (UVAS) <i>Macrolides resistance of ermB gene in Streptococcus uberis associated with bovine mastitis and improvising the molecular docking as an alternate treatment</i>
12:40-15:00	LUNCH / PRAYER - LIFE SCIENCES (POSTER SESSION)	
	PLENARY SESSION	
15:00-16:20	Invited / keynote Speaker Venue: Hakim Muhammad Saeed Seminar Hall Chair: Prof. Dr. Hamid Mukhtar Co-chair: Dr. Hamid Raza	Invited / keynote Speaker (Online) Venue: Saleem Asghar Seminar Hall Chair: Prof. Dr. Jamil Anwar Co-chair: Dr. Nighat Razzaq
15:00-15:20	Prof. Dr. Khurshid Ayub (COMSATS University Islamabad, Abbottabad Campus) <i>Exceptionally large nonlinear optical response of rationally designed alkaline earthides</i>	Dr. Shahid Razzaq (Industrial Consultant, Richmond Pharma) <i>Rapid Rescue from Life Threatening Diseases: Herbal Therapeutics</i> Mr. Shoaib Hakeem (CEO, Masood Homeopathic Pharma) <i>Role of Quality Assurance with Reference to GMP</i>
15:20-15:40	Prof. Dr. Abdul Rehman (University of the Punjab, Lahore) <i>Resistance Strategies of Microbacterium sp. strain 1S1 against Heavy Metals and Its Potential Use to Clean Metal-Contaminated Wastewater</i>	Prof. Dr. M. Naveed Zafar (Quaid-i-Azam University Islamabad) <i>Palladium Anchored Donor Flexible Spectator Ligands as Electrocatalysts for CO₂ Reduction</i>
15:40-16:00	Prof. Dr. Mazhar Amjad Gillani (COMSATS University Islamabad, Lahore Campus) <i>Advancing Materials Discovery & Applications through Computational Chemistry: Research at COMSATS University Islamabad, Lahore Campus</i>	Dr. Hafiz Muzzammel ur Rehman (PU, Lahore) <i>Identification of NS2B-NS3 Protease Inhibitors for Therapeutic Application in ZIKV Infection: A Pharmacophore-Based High-Throughput Virtual Screening and MD Simulations Approaches</i>
16:00-16:20	Dr. Muhammad Naveed (UCP, Lahore) <i>Artificial Neural Networks-Powered Nanoinformatics Approach for Precision Medicine with Engineered Silver Nanoparticles</i>	Prof. Dr. Haq Nawaz Bhatti (University of Agriculture, Faisalabad, Pakistan) <i>Microwave Plasma: An Innovative Strategy for Enhancing Structural and Photocatalytic Properties of Silver Zirconate/GO Nanocomposite</i>

TECHNICAL SESSIONS		
15:00-16:30	Technical Session 1 (Life Sciences) Venue: MC-03 Main Building Chair: Prof. Dr. Muhammad Arif Nadeem Saqib Co-chair: Dr. Madeeha Shahzad Lodhi	Technical Session 2 (Chemistry) Venue: 1N-11 Chair: Prof. Dr. Muhammad Imran Co-chair: Dr. Naveen Kosar
15:00-15:10	Dr. Qamar Abbas (LGU, Lahore) <i>The replication-associated protein encoded by Cotton Leaf Curl Multan Alphasatellite overcomes the host's Transcriptional Gene Silencing Mechanism</i>	Dr. Sobia Tabbasum (COMSATS University Islamabad, Lahore Campus) <i>Intracellular Penetration of Antibacterial and Anti-Inflammatory Nanoparticles Loaded onto Self-Healing Hydrogels for Enhanced Periodontitis Treatment</i>
15:10-15:20	Dr. Hafiz Zeshan Wadood (LGU, Lahore) <i>The role of microbes in corrosion: A growing challenge for industries</i>	Ms. Khadija Naeem (COMSATS Lahore Campus) <i>Fabrication of Electrospun Nanofibers Using the Extracellular Matrix Derived from Decellularized Umbilical Cord for Tissue Engineering Application</i>
15:20-15:30	Dr. Sundus Akhtar (School of Biology (Botany Section), Minhaj University Lahore) <i>Efficacy of Organic Farming against Charcoal Rot of Chickpea (<i>Cicer arietinum</i>)</i>	Uzma Mustafa (GCU) <i>Synthesis, characterization, and potential applications of an organic-inorganic hybrid nanomaterial</i>
15:30-15:40	Dr. Sadaf Aman (School of Zoology, Minhaj University Lahore, Pakistan) <i>Replacement of fishmeal with selected plant by-product artificial feed of Labeo rohita</i>	Faisal Mehtab (GCU) <i>Synthesis of multi-metallic porous nanocomposite having catalytic potential for green hydrogen production</i>
15:40-15:50	Dr. Madieha Ambreen (School of Biology, Botany section, Minhaj University) <i>HPLC-Based Elucidation of Tannins from Leaf, Stem Seedling Tissue, and Callus Culture Extracts of Selected Medicinal Plants</i>	Dr. Nishat Afroz (UOL, Lahore) Title
15:50-16:00	Mr. Ubaid Ur Rehman (MUL, Lahore) <i>Deleterious nsSNPs of EpCAM Gene (EPCAM-202): In-silico analysis of Structural and Functional Effects</i>	Sohaila Andleeb (University of Sargodha) <i>Main Group Metal-Based Catalysts: A Green Approach for the Synthesis of dihydropyrimidin-2(1H)-thione derivatives</i>
16:00-16:10	Ms. Kainat Shahid (UMT, Lahore) <i>In-silico analysis of plant-derived secondary metabolites against thyroid disease</i>	Dr. Urwa Tariq (SFAS, UMT) <i>Formulation and Characterization of Functional Muffins Supplemented with Synbiotics</i>

16:10-16:20	Mr. Shahraiz Butt (UMT, Lahore) <i>Drug Discover in the Treatment of Esophageal Squamous Cell carcinoma</i>	Mr. Muhammad Usman (SFAS, UMT) <i>Halal Gelatin Extraction from Fish Waste and Potential Applications in the Food Sector</i>
16:20-16:30	Dr. Nadia Jabeen (School of Botany, Minhaj University Lahore) <i>Effect of nitrogen, phosphorus and potassium on the biomass production of Spirogyra</i>	Qindeel Asif (SFAS, UMT) <i>Formulation and characterization of goat milk candies supplemented with fennel and chia seeds</i>
CONCLUDING SESSION		
16:30-16:35	Vote of Thanks (Dr. Muhammad Sohail Afzal, Department of Life Sciences, UMT)	
16:35-16:40	Vote of Thanks (Dr. Naveen Kosar. Department of Chemistry, UMT)	
16:40-16:50	Mr. Ahmad Abdullah (DG, UMT)	
16:50-17:00	Guest of Honour: Prof. Emeritus Dr. Waheed Akhtar (T.I.) (Fellow and Secretary of Pakistan Academy of Sciences, Punjab Chapter)	
17:00-17:10	Guest of Honour: Prof. Emeritus Dr. Jehan Bakht (VC, The University of Agriculture, Peshawar)	
17:10-17:30	Souvenirs & Certificates Distribution byMr. Ahmad Abdullah (DG, UMT)	
17:30-18:00	REFRESHMENT	
END OF DAY 2		

Day 3: April 12, 2025 (Saturday)

	Technical Workshops			
	CB1-601 (09:00-12:00)	CB1-602 (09:00-12:00)	CB1-606 (09:00-12:00)	1S-30 (10:00-12:00)
	MD Simulation <i>Dr. Hafiz Muzzammel urRehman (PU)</i>	Python <i>Dr. Muhammad Ali (UMT)</i> <i>Dr. Athar Hussain (UMT)</i> <i>Mr. Koukab Imran (UMT)</i>	Drug Design <i>Dr. Waqar Aman (UMT)</i>	Hands-on Application of Potentiostat <i>Dr. Mohsin Javed</i>
12:00-13:00	REFRESHMENT			



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