



5TH PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

Organized by: NCEAC, University of Sindh, Jamshoro, Pakistan

Hybrid Conference (In-person+Virtual)

Day-1 : Thursday 4th December 2025

8:30 a.m. -10:00 a.m.	Registration (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS
10:00 a.m. – 11:30 a.m.	Inauguration Ceremony (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS
11:30 a.m. - 11:45 a.m.	Reception (Golden Jubilee Hall) ICCBS
11:45 a.m. -1:30 p.m.	Plenary Lectures (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS

<i>Prof. Dr. Muhammad Iqbal Bhanger</i>		<i>Co-Chair: Prof. Dr. Amber Rehana Solangi</i>
Time	Speaker/ Title	
11:45 a.m. -12:20 p.m.	Prof. Dr. Huseyin Kara Selçuk University, Faculty of Science, Department of Chemistry PL-1: Novel and Selective Supercritical Fluid Extraction Methods	
12:20 p.m. - 12:55 p.m.	Prof. Dr. Raza Shah HEJ, Institute of Chemical & Biological Sciences, University of Karachi, Karachi, Pakistan PL-2: Custom designed Drug Delivery System by Using Supramolecular Approach	
12:55 p.m. – 1:30 p.m.	Prof. Dr. Mustafa Tuzen Tokat Gaziosmanpaşa University, Tokat PL-3: Environmentally friendly and green extraction techniques for organic and inorganic species in water, food and environmental samples	

1:30 p.m. – 2:15 p.m.	Prayers / Lunch Break (Golden Jubilee Hall) ICCBS
2:15 p.m. – 3:00 p.m.	Poster Session
3:00 p.m. – 3:50 p.m.	Concurrent Technical Sessions-I
3:50 p.m. – 4:10 p.m.	Tea Break
4:10 p.m. - 5:40 p.m.	Concurrent Technical Sessions-II

Chair: Prof. Dr. Huseyin Kara		Co-Chair: Prof. Dr. Farah Naz Talpur	
Time	Speaker/ Title		
Concurrent Technical Session-IA (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS		Analytical Chemistry and Sensors for Society-I	
Chair: Prof. Dr. Huseyin Kara		Co-Chair: Prof. Dr. Farah Naz Talpur	
Time	Speaker/ Title		
3:00 p.m. – 3:20 p.m.	Prof. Dr. Zeeshan Khatri Department of Textile Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan KN-8: From Recognition to Relevance: How Research Creates Real-World Impact		
3:20 p.m. - 3:40 p.m.	Dr. Muhammad Imran Malik HEJ, Institute of Chemical & Biological Sciences, University of Karachi, Karachi, Pakistan KN-1: Polymer–Metal Nanocomposite-Based Electrochemical Sensors: Emerging Frontiers in Biomedical Diagnostics		

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3:40 p.m. – 3:55 p.m.	Dr. Tahira Qureshi Government College University, Hyderabad, Pakistan OP-4: Biocatalytic remediation of diclofenac and related pollutants	
Concurrent Technical Session-IB <i>L.E.J Hall A</i>		Advanced Materials for a Better Future
Chair: Prof. Dr. Arfana Mallah		Co-Chair: Dr. Tanveer Ahmed
Time	Speaker/ Title	
3:00 p.m. – 3:20 p.m.	Prof. Dr. Sirajuddin HEJ, Institute of Chemical & Biological Sciences, University of Karachi, Karachi, Pakistan KN-2: The best things come in small packages	
3:20 p.m. – 3:35 p.m.	Prof. Dr. Ambreen Shah Dr. M. A. Kazi Institute of Chemistry, University of Sindh, Jamshoro, Pakistan OP-3: Emerging trends in coordination bonding of newer bi-pyridine ligands with metal ions: Synthesis, Characterizations and Applications	
3:35 p.m. – 3:50 p.m.	Dr. Waheed Baig Department of Computer Science, UIT University, Karachi, Pakistan. OP-1: Fabrication of Metal Oxide-Doped with Nano-Graphite Humidity sensor	
Concurrent Technical Session-IC <i>L.E.J Hall B</i>		Chemistry in Health and Life Sciences-I
Chair: Prof. Dr. Syed Tufail Hussain Sherazi		Co-Chair: Prof. Dr. Najma Memon
Time	Speaker/ Title	
3:00 p.m. – 3:20 p.m.	Prof. Firdous Imran Ali Department of Chemistry, University of Karachi, Karachi, Pakistan KN-3: Ionic Liquids from plant derived components	
3:20 p.m. – 3:35p.m.	Dr. Fakhar N. Memon Department of Chemistry, University of Karachi, Karachi, Pakistan OP-5: Adsorption of Paracetamol using CaO nanoparticles	
3:35 p.m. – 3:50 p.m.	Dr. Syeda Sara Hassan USPCASW Mehran University of Engineering and Technology, Jamshoro, Pakistan OP-2: Polymer-Modified Nanofiber Membranes for Efficient Removal of Atrazine Pesticide from Aqueous Environments	
3:50 p.m. – 4:10 p.m.	Tea Break <i>(Golden Jubilee Hall) ICCBS</i>	
4:10 p.m. - 5:40 p.m.	Concurrent Technical Sessions-II	

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Concurrent Technical Session-IIA (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS		Education, Ethics, and Policy in Chemistry for Global Good	
<i>Chair: Prof. Dr. Shahabuddin Memon</i>		<i>Co-Chair: Prof. Dr. Zeeshan Khatri</i>	
Time	Speaker/ Title		
4:10 p.m. – 4:35 p.m.	Prof. Dr. Jamil Anwar University of Management and Technology, Lahore, Pakistan KN-5: Climate Change: Risks & Impacts on Life in Pakistan		
4:35 p.m. – 5:00 p.m.	Prof. Dr. M. Iqbal Bhanger National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro KN-6: Science education in Pakistan; challenges and opportunities		
5:00 p.m. - 5:20 p.m.	Prof. Dr. Arfana Mallah M.A. Kazi Institute of Chemistry, University of Sindh, Jamshoro, Pakistan KN-7: Women in stem in Pakistan: Breaking barriers and building pathways to leadership		
5:20 p.m. – 5:40 p.m.	Prof. Dr. Tufail Sherazi National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan KN-4: Health Benefits of pomegranate fruit and its seed oil		
Concurrent Technical Session-IIB <i>L.E.J Hall A</i>		Water, Environment & Climate Solutions	
<i>Chair: Prof. Dr. Duri Şehvar ÜNAL</i>		<i>Co-Chair: Prof. Dr. Saima Qayoom Memon</i>	
Time	Speaker/ Title		
4:10 p.m. – 4:25 p.m.	Dr. Imdadullah Qureshi Department of Chemistry, University of Science & Technology, Bannu- 28100-Pakistan OP-6: Synthesis of Graphene Oxide/Titanium Oxide Based Catalyst and Exploring its Degradation Ability towards Methylene Blue		
4:25 p.m. – 4:40 p.m.	Dr. Mansoor Khan University of Science and Technology, Kohat, KP, Pakistan OP-11: Synthesis and Characterization of Advanced Magnetic Max Phase (Fe3O4-Ti3AlC2) and It’s Application in Microextraction of Heavy Metals		
4:40 p.m. – 4:55 p.m.	Dr. Abdullah Department of Chemistry, Faculty of Sciences, Engineering and Technology, University of Gwadar, Gwadar 91200, Balochistan, Pakistan OP-8: Ultrasonic-assisted synthesis of (Fe3O4@SiO2@NH2-BPA-MIP) and Their Analytical Practicality as a Selective Magnetic Adsorbent for The Removal of Bisphenol A From Water systems		
4:55 p.m. -5:10 p.m.	Dr. Abdul Hameed Kori National Centre of Excellence in Analytical Chemistry University of Sindh, Jamshoro, Pakistan OP-9: Fabrication of Barium Titanium Oxide Nanoflowers as an efficient adsorbent material for the selective Solid-phase Microextraction of Copper from real environmental and food Samples		
5:10 p.m. – 5:25 p.m.	Dr. Maira Naz Department of Chemistry, University of Karachi OP-19: Molecular docking insights of Schiff base–copper(II) complexes: exploring lipoxxygenase enzyme inhibition		

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Concurrent Technical Session-IIC <i>L.E.J Hall B</i>		Green & Sustainable Chemistry	
<i>Chair: Prof. Dr. Liaquat Zardari</i>		<i>Co-Chair: Prof. Dr. Syed Iqleem Hyder</i>	
Time	Speaker/ Title		
4:10 p.m. – 4:30 p.m.	Prof. Dr. Farooq Anwar Institute of Chemistry, University of Sargodha, Sargodha- Pakistan. KN-9: Green extraction for optimal recovery of phenolics from selected food plants and agro-wastes		
4:30 p.m. – 4:50 p.m.	Prof. Tajnees Pirzada Institute of Chemistry, Shah Abdul Latif University Khairpur, Sindh, Pakistan KN-10: Chemical studies on Humic substances from Pakistani shilajit		
4:50 p.m. – 5:05 p.m.	Dr. Fatih Erci Necmettin Erbakan University, Konya, Türkiye OP-12: Synthesis and Characterization of Nano-Biochar from Waste Plant Biomass		
5:05 p.m. – 5:20 p.m.	Dr. Ammara Aftab Pro AI Global AI Strategy Consultant Karachi, Pakistan OP-13: Mind Under Machine Influence: When AI Starts Rewiring Executive Decision-Making		
5:20 p.m. – 5:35 p.m.	Dr. Mohammad Younis Talpur Dr. M. A Kazi Institute of Chemistry, University of Sindh, Jamshoro, 76080, Sindh, Pakistan OP-14: Eco-friendly Synthesis of ZnO-TiO2 Nanocomposites for the Efficient Removal of Toxic Metal Ions from Aqueous Solutions		
Day 1 Ended. Have a Nice Stay in Karachi, Pakistan			

*We cordially invite all conference participants to join us for the
Conference Dinner, an evening of fine hospitality, meaningful
conversations, and shared celebration.*

Time: 7:00 p.m.

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