



# 5<sup>TH</sup> 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 4<sup>th</sup> December 2025

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

<i>Prof. Dr. Muhammad Iqbal Bhanger</i>		<i>Co-Chair: Prof. Dr. Amber Rehana Solangi</i>
<b>Time</b>	<b>Speaker/ Title</b>	
11:45 a.m. -12:20 p.m.	<b>Prof. Dr. Huseyin Kara</b> 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.	<b>Prof. Dr. Raza Shah</b> 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.	<b>Prof. Dr. Mustafa Tuzen</b> 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.	<b>Prayers / Lunch Break</b> (Golden Jubilee Hall) ICCBS
2:15 p.m. – 3:00 p.m.	<b>Poster Session</b>
3:00 p.m. – 3:50 p.m.	<b>Concurrent Technical Sessions-I</b>
3:50 p.m. – 4:10 p.m.	<b>Tea Break</b>
4:10 p.m. - 5:40 p.m.	<b>Concurrent Technical Sessions-II</b>

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		

### Organizing Partners



### Sponsors

### Partner Journal



Contact Details:



<https://ptics2025.ceacu.edu.pk>



[ptics2025@gmail.com](mailto:ptics2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>



# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

3:40 p.m. – 3:55 p.m.	<b>Dr. Tahira Qureshi</b> Government College University, Hyderabad, Pakistan OP-4: Biocatalytic remediation of diclofenac and related pollutants	
<b>Concurrent Technical Session-IB</b> <i>L.E.J Hall A</i>		<b>Advanced Materials for a Better Future</b>
<i>Chair: Prof. Dr. Arfana Mallah</i>		<i>Co-Chair: Dr. Tanveer Ahmed</i>
Time	Speaker/ Title	
3:00 p.m. – 3:20 p.m.	<b>Prof. Dr. Sirajuddin</b> 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.	<b>Prof. Dr. Ambreen Shah</b> 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.	<b>Dr. Waheed Baig</b> Department of Computer Science, UIT University, Karachi, Pakistan. OP-1: Fabrication of Metal Oxide-Doped with Nano-Graphite Humidity sensor	
<b>Concurrent Technical Session-IC</b> <i>L.E.J Hall B</i>		<b>Chemistry in Health and Life Sciences-I</b>
<i>Chair: Prof. Dr. Syed Tufail Hussain Sherazi</i>		<i>Co-Chair: Prof. Dr. Najma Memon</i>
Time	Speaker/ Title	
3:00 p.m. – 3:20 p.m.	<b>Prof. Firdous Imran Ali</b> Department of Chemistry, University of Karachi, Karachi, Pakistan KN-3: Ionic Liquids from plant derived components	
3:20 p.m. – 3:35p.m.	<b>Dr. Fakhar N. Memon</b> Department of Chemistry, University of Karachi, Karachi, Pakistan OP-5: Adsorption of Paracetamol using CaO nanoparticles	
3:35 p.m. – 3:50 p.m.	<b>Dr. Syeda Sara Hassan</b> 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.	<b>Tea Break</b> <i>(Golden Jubilee Hall) ICCBS</i>	
4:10 p.m. - 5:40 p.m.	<b>Concurrent Technical Sessions-II</b>	

## Organizing Partners



## Sponsors

## Partner Journal



Contact Details:



<https://ptices2025.ceacu.edu.pk>



[ptices2025@gmail.com](mailto:ptices2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>



# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

<b>Concurrent Technical Session-IIA</b> (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS		<b>Education, Ethics, and Policy in Chemistry for Global Good</b>	
<i>Chair: Prof. Dr. Shahabuddin Memon</i>		<i>Co-Chair: Prof. Dr. Zeeshan Khatri</i>	
<b>Time</b>	<b>Speaker/ Title</b>		
4:10 p.m. – 4:35 p.m.	<b>Prof. Dr. Jamil Anwar</b> 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.	<b>Prof. Dr. M. Iqbal Bhanger</b> 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.	<b>Prof. Dr. Arfana Mallah</b> 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.	<b>Prof. Dr. Tufail Sherazi</b> National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro, Pakistan KN-4: Health Benefits of pomegranate fruit and its seed oil		
<b>Concurrent Technical Session-IIB</b> <i>L.E.J Hall A</i>		<b>Water, Environment &amp; Climate Solutions</b>	
<i>Chair: Prof. Dr. Duri Şehvar ÜNAL</i>		<i>Co-Chair: Prof. Dr. Saima Qayoom Memon</i>	
<b>Time</b>	<b>Speaker/ Title</b>		
4:10 p.m. – 4:25 p.m.	<b>Dr. Imdadullah Qureshi</b> 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.	<b>Dr. Mansoor Khan</b> 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.	<b>Dr. Abdullah</b> 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.	<b>Dr. Abdul Hameed Kori</b> 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.	<b>Dr. Maira Naz</b> Department of Chemistry, University of Karachi OP-19: Molecular docking insights of Schiff base–copper(II) complexes: exploring lipoxygenase enzyme inhibition		

## Organizing Partners



## Sponsors

## Partner Journal



Contact Details:



<https://ptices2025.ceacu.edu.pk>



[ptices2025@gmail.com](mailto:ptices2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>



# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

<b>Concurrent Technical Session-IIC</b> <i>L.E.J Hall B</i>		<b>Green &amp; Sustainable Chemistry</b>	
<i>Chair: Prof. Dr. Liaquat Zardari</i>		<i>Co-Chair: Prof. Dr. Syed Iqleem Hyder</i>	
<b>Time</b>	<b>Speaker/ Title</b>		
4:10 p.m. – 4:30 p.m.	<b>Prof. Dr. Farooq Anwar</b> 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.	<b>Prof. Tajnees Pirzada</b> 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.	<b>Dr. Fatih Erci</b> 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.	<b>Dr. Ammara Aftab</b> 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.	<b>Dr. Mohammad Younis Talpur</b> 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		
<b>Day 1 Ended.</b> <b>Have a Nice Stay in Karachi, Pakistan</b>			

*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.*

## Organizing Partners



## Sponsors

## Partner Journal



Contact Details:



<https://ptices2025.ceacu.edu.pk>



[ptices2025@gmail.com](mailto:ptices2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>





# 5<sup>TH</sup> 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-2 : Friday 5<sup>th</sup> December 2025

9:00 a.m. - 9:35 a.m.	<b>Plenary Lecture</b> (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS
9:45 a.m. -12:20 p.m.	<b>Concurrent Technical Sessions-III</b>
12:20 p.m. – 1:30 p.m.	<b>Plenary Lectures</b> (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS
1:30 p.m. – 3:00 p.m.	<b>Prayers &amp; Lunch Break</b>
3:00 p.m. – 4:30 p.m.	<b>Concurrent Technical Sessions-IV</b>
4:30 p.m. - 5:30 p.m.	<b>Concluding Ceremony</b>

4:50 p.m. – 5:50 p.m.		Closing Ceremony	
Chair: Prof. Dr. Mustafa Soylak		Co-Chair: Prof. Dr. Jamil Anwar	
Time	Speaker/ Title		
9:00 a.m. - 9:35 a.m.	Prof. Dr. Fatih Demirci, Anadolu University, Faculty of Pharmacy, Pharmacognosy Department PL-4: Phyto-Aroma-Dermatological Applications		
9:35 a.m. – 9:45 a.m.	Short Break		

Concurrent Technical Session-IIIA (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS		Online Session-I	
Chair: Prof. Dr. Najma Memon		Co-Chair: Prof. Dr. Uzma Ashique	
Time	Speaker/ Title		
9:45 a.m. – 10:05 a.m.	Prof. Abdou Lachgar Department of Chemistry, Wake Forest University, NC, USA KN-11: Green Hydrogen Production Using Semiconductor Heterojunctions Technology		
10:05 a.m – 10:25 am	Dr. Haider A. Khwaja Department of Environmental Health Sciences, College of Integrated Health Sciences, University at Albany, Albany, New York, United States KN-12: Association of Ambient Fine Particulate Air Pollution (PM2.5) with Cardiovascular Morbidity in a Megacity Karachi, Pakistan		
10:25 a.m. – 10:40 am	Ms. Maha Sharif Department of Chemistry, Wake Forest University, Winston-Salem, 27109, North Carolina OP-15: Visualizing Ultrafast Spectral and Spatial Heterogeneity in Photoexcited Nanomaterials via Broadband Transient Absorption Microscopy		
10:40 a.m. -11:00 a.m.	Prof. İbrahim Ender Mülazımoğlu Necmettin Erbakan University, Chemistry Department, Konya, Türkiye KN-25: From Waste Leather to Electrochemical Sensors: Green Approach For Sustainable Electroanalytical Chemistry		
11:00 a.m. – 11:20 a.m.	Prof. Dr. Karim Adil Mohammed VI Polytechnic University, Ben Guerir, Morocco KN-14: Fluorinated MOF Materials for Gas Separation		
11:20 a.m. – 11:40 a.m.	Prof. Dr. Ayşe Müge Andaç Molecular Science Research Hub, Imperial College London, 82 Wood Lane, London KN-15: Molecular Recognition-Based Biosensors		

### Organizing Partners



### Sponsors



### Partner Journal



Contact Details:

<https://ptics2025.ceacu.edu.pk>

@ [ptics2025@gmail.com](mailto:ptics2025@gmail.com)

+92 22 9213429

<https://pjaec.pk>



# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

11:40 a.m. – 12:00 p.m.	<b>Prof. Dr. İsmail Murat Palabıyık</b> Ankara University, Türkiye KN-26: Green Synthesis of Nanoparticles from Plant-Based Wastes: Characterization and Evaluation of Biological Activities
12: 00 p.m. – 12:20 p.m.	<b>Prof. Ayşen Demir Mülazımoğlu</b> Necmettin Erbakan University, Konya KN-27: The use of pencil graphite electrodes as sensor electrodes in electroanalytical chemistry
<b>Concurrent Technical Session-IIIB</b> <b>L.E.J Hall A</b>	
<i>Chair: Prof. Dr. Nasreen Fatima</i>	<i>Co-Chair: Dr. Muhammad Imran Malik</i>
<b>Time</b>	<b>Speaker/ Title</b>
9:45 a.m. – 10:05 a.m.	<b>Prof. Dr. Syed Ghulam Musharraf</b> H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan. KN-16: High-throughput and Sensitive Detection of Plant and Human-based Metabolome: Few interesting Mass Spectrometry-based Pipelines
10:05 a.m – 10:25 am	<b>Prof. Duri Şehvar ÜNAL</b> Istanbul University, Istanbul, Türkiye KN-17: Genotoxic Impurities in Drug Substances
10:25 a.m. – 10:45 am	<b>Prof. Dr. Saima Q. Memon</b> Dr. M. A Kazi Institute of Chemistry, University of Sindh, Jamshoro, 76080, Sindh, Pakistan KN-18: Deep Eutectic Solvents in Catalysis and Material Development
10:45 a.m. -11:05 a.m.	<b>Prof. Mustafa Topkafa</b> Konya Technical University, Vocational School of Technical Sciences KN-19: The Graphene Oxide Derivative Liquid Chromatography Stationary Phases And Application Of Carotenoids Separation
11:05 a.m. – 11:20 a.m.	<b>Dr. Zainab Manzoor Memon</b> Liaquat University of Medical & Health Sciences Jamshoro, 2University of Sindh, Jamshoro OP-16: A green ultrasonic-assisted liquid–liquid microextraction technique based on deep eutectic solvents for flame atomic absorption spectrometer determination of trace level of lead in tobacco and food samples
11:20 a.m. – 11:35 p.m.	<b>Dr. Nazar Hussain Kalwar</b> Institute of Chemistry, Shah Abdul Latif University Khairpur OP-17: Copper Oxide-Based Anodes for Highly Sensitive Electrochemical Detection of Amlodipine
11:35 p.m. – 11:50 p.m.	<b>Dr. Naved Iqbal</b> International Center for Chemical and Biological Sciences, University of Karachi OP-18: Unveiling sustainable methodology for the synthesis of Dihydropyrimidinones utilizing Biginelli reaction
11:50 p.m. – 12:05 p.m.	<b>Dr. Ayisha Aman Ullah</b> Department of Biotechnology, Jinnah University for Women OP-25: Fabrication of a calcium alginate–based immobilization system for novel alkaline $\beta$ -amylase derived from bacillus subtilis
12:05 p.m. – 12:20 p.m	<b>Dr. Jamshed Ali</b> Institute of Chemistry, Shah Abdul Latif University, Khairpur Mir's-66020. Sindh, Pakistan "Dispersive Solid Phase" OP-30: Microextraction Method for the Determination of Arsenic in Food Samples Using a Gadolinium Oxide based Block Copolymer as a composite adsorbent

## Organizing Partners



Contact Details:



<https://ptics2025.ceacu.edu.pk>



[ptics2025@gmail.com](mailto:ptics2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>



# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

Concurrent Technical Session-IIIC <i>L.E.J Hall B</i>		Health & Life Sciences / Medicinal Chemistry	
<i>Chair: Professor Mustafa YILMAZ</i>		<i>Prof. Dr. Rafia Azmat</i>	
Time	Speaker/ Title		
9:45 a.m. – 10:05 a.m.	<b>Prof. Dr. Aysegul Golcu</b> Istanbul Technical University, Istanbul, Türkiye KN-20: Voltammetric Strategies for Quantitative Determination of some Anti-Diabetic Drugs		
10:05 a.m. – 10:25 am	<b>Dr. Khalida Parveen</b> Institute of Chemistry, Shah Abdul Latif University Khairpur, Pakistan KN-21: Development and Validation of an RP-HPLC Method for the Determination of Organic $\alpha$ -Keto Acids in Serum of Diabetic Patients		
10:25 a.m. – 10:45 am	<b>Dr. Zaheer Ahmed</b> Gpge Timergara Higher Education, Archives And Libraries Department Government Of Khyber Pakhtunkhwa, Pakistan KN-22: Hypoxia and pH responsive polyamino acid-based polymers: synthesis, characterization and drug delivery applications		
10:45 a.m. – 11:05 a.m.	<b>Prof. Imtiazullah Khawaja</b> Department of Physics, Hazara University Manasehra, KPK, Pakistan KN-23: Morphological Properties of Laser Irradiated Biomaterials		
11:05 a.m. – 11:25 a.m.	<b>Prof. Dr. Abdul Majeed Khan</b> FEDERAL URDU UNIVERSITY, Karachi, Pakistan KN-24: Development of Green Energy Technologies: An Alternative Approach to Development of Green Energy Technologies: An Alternative Approach to Promote Green Energy and Waste Management		
11:25 p.m. – 11:40 a.m.	<b>Dr. Abdul Rauf Jamali</b> Department of Materials Engineering, NEDUET, Karachi, University of Karachi OP-27: Mitigation of Thermal Fatigue Cracking in Automotive Brake Discs (GCI, FC250-A) : A Case Study on Material Optimization Using Alloyed Grey Cast Iron		
11:40 a.m. – 11:50 a.m.	<b>Dr. Shagufta Noreen</b> Department of Biotechnology, Jinnah University for Women OP-28: Exploring textile dyes and effluent-treating bacteria: isolation, characterization, and phytotoxic impact of treated effluent		
11:50 a.m. – 12:05 p.m.	<b>Dr. Qurat-ul-ain Shaikh</b> Institute of Chemistry, Shah Abdul Latif University, Khairpur Mir's, Sindh 66020, Pakistan OP-24: Silk fibroin-graphene oxide composite membranes for selective separation of ions and molecules from water		
12:05 p.m. – 12:20 p.m.	<b>Dr. Muhammad Farooque Lanjwani</b> Department of Human & amp; Rehabilitation Sciences, The Begum Nusrat Bhutto WomenUniversity, Sukkur, Sindh, Pakistan OP-29: Photocatalytic degradation of Sudan black B dye by using synthesized SnO2 nanoparticles as a catalyst: factorial design model		

12:20 p.m. - 1:30 p.m.

Plenary Lectures

(Prof. Salimuzzaman Siddiqui Auditorium) ICCBS

1:30 p.m. – 3:00 p.m.

Prayers and Lunch Break

3:00 p.m. – 4:30 p.m.

Concurrent Technical Sessions-IV

Organizing Partners

Sponsors

Partner Journal



Contact Details:



<https://ptices2025.ceacu.edu.pk>



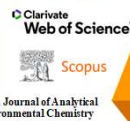
[ptices2025@gmail.com](mailto:ptices2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>







# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

Chair: Prof. Dr. Mustafa Tuzen		Co-Chair: Prof. Dr. Syed Ghulam Musharraf	
Time	Speaker/ Title		
12:20 p.m. - 12:55 p.m.	Prof. Dr. Mustafa YILMAZ Department of Chemistry, Selcuk University, Konya 42075, Turkiye PL-5: Nanobasket Fluorescent calixarenes: Drug carriers and anticancer properties		
12:55 p.m. – 1:30 p.m.	Prof. Dr. Mustafa Soylak Erciyes University, Faculty of Sciences, Department of Chemistry, 38039 Kayseri, Turkey PL-6: Green extraction procedures for trace species from environmental samples		
Concurrent Technical Session-IVA (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS		Online Session-II	
Chair: Prof. Dr. Mustafa Topkafa		Co-Chair: Prof. Dr. Abdul Majeed Khan	
Time	Speaker/ Title		
3:00 p.m. - 3:20 p.m.	Prof. Dr. Renata Adami Department of Physics "E.R. Caianiello", University of Salerno, Italy KN-13: Hydrocarbon from waste cooking oil by electro-assisted reaction process		
3:20 p.m. – 3:40 p.m.	Prof. Naseer Ahmed Khan University Of Engineering and Technology, Peshawar, Pakistan KN-28: Process development for recovering and purifying vanadium pentoxide (V <sub>2</sub> O <sub>5</sub> ) from spent sulphuric acid catalysts Online		
3:40 p.m. – 3:55 p.m.	Dr. Ismail Tarhan Selçuk University, Konya OP-20: Investigation of the effects of high intensity ultrasound on the secondary structures of proteins using FTIR spectroscopy		
3:55 p.m. – 4:10 p.m.	Dr. Fatih Durmaz Selçuk University, Konya OP-21: Investigation of some chemical removals in domestic wastewater treatment plants		
4:10 p.m. – 4:20 p.m.	Dr. Muhammad Balal Arain Department of Chemistry, Faculty of Sciences, Erciyes University, 38039 Kayseri, Türkiye OP-22: g-C <sub>3</sub> N <sub>4</sub> @LDH Nanocomposite for Efficient trace and toxic metal Extraction from Environmental and Food Samples		
Concurrent Technical Session-IVB L.E.J Hall A		Artificial Intelligence, Data Science & Automation	
Chair: Prof. Dr. Sirajuddin		Co-Chair: Prof. Firdous Imran Ali	
Time	Speaker/ Title		
3:00 p.m. - 3:20 p.m.	Prof. Dr. Rafia Azmat Department of Chemistry, University of Karachi, Pakistan KN-29: Role of Artificial Intelligence (AI) in Research: A Human AI Collaboration		
3:20 p.m. – 3:35 p.m.	Dr. Faraz H. Buririo ProAI Global Karachi, Pakistan OP-23: AI Models for Basic Sciences: Where the Journey Begins		
3:35 p.m. – 3:50 p.m	Dr. Arshad Fazal Department of Chemistry, University of Karachi		

## Organizing Partners



## Sponsors



## Partner Journal



Contact Details:

<https://ptices2025.ceacu.edu.pk>

@ ptices2025@gmail.com

+92 22 9213429

<https://pjaec.pk>





# 5<sup>TH</sup> PAK-TURK INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES

December 04-05, 2025

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

Hybrid Conference (In-person+Virtual)

OP-26: Appraising Wintertime Gaseous Air Pollution Episodes in Karachi: Diurnal Variability, Meteorological Effects, and Health Risk Assessment	
<b>Concurrent Technical Session-IVC</b> <i>L.E.J Hall B</i>	<b>Industrial Chemistry &amp; Process Innovation</b>
<b>Chair: Prof. Dr. Fatih Demirci</b>	<b>Co-Chair: Prof. Dr. Farooq Anwar</b>
Time	Speaker/ Title
3:00 p.m. - 3:20 p.m.	<b>Dr. Tahir Rafique</b> Applied Chemistry Research Center, PCSIR laboratories Complex Karachi, Pakistan KN-30: Ensuring Casting Integrity: The Critical Role of Silica Sand for the Automobile Industry
3:20 p.m. – 3:35 p.m.	<b>Dr. Gulfam Nasar</b> BUIITEMS, Quetta Pakistan OP-10: Synthesis and characterization of ferrite-polymer nanocomposites
3:35 p.m. – 3:50 p.m.	<b>Dr. Sadaf Iqbal</b> Department of Chemistry, University of Karachi, Karachi-75720, Pakistan OP-7: Modeling and simulation of biocompatible composite material for wastewater treatment
4:30 p.m. – 5:30 p.m.	<b>Concluding Ceremony</b> (Prof. Salimuzzaman Siddiqui Auditorium) ICCBS
5:30 p.m. - 5:50 p.m	Farewell Tea

We hope attending this conference was fruitful for your career growth!

Allah Hafiz

Güle Güle

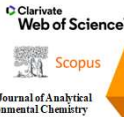
Good Bye

## Organizing Partners



## Sponsors

## Partner Journal



Contact Details:



<https://ptices2025.ceacu.edu.pk>



[ptices2025@gmail.com](mailto:ptices2025@gmail.com)



+92 22 9213429



<https://pjaec.pk>